Alexandru Ioan Cuza" University of Iași
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Nr. UAIC registration ..... Nr. ARACIS registration .....

To the ARACIS COUNCIL

The Board of Directors of "Alexandru Ioan Cuza" University of Iași decided that, in accordance with the legal provisions in force and based on the *Guide for carrying out the process of periodic external evaluation of doctoral schools*, respectively the *Guide for carrying out the process of periodic external evaluation of university doctoral studies*, to request the initiation of the procedures for periodic external evaluation of doctoral studies for the following doctoral schools and for the following domains of doctoral studies:

No.	**Doctoral school**	**The domains of doctoral studies**	**Responsible (name, surname, email, telephone)**	**No. doctoral supervisors/domain**
1.	PHYSICS	PHYSICS	MARDARE DIANA MIHAELA, dianam@uaic.ro 0721378714	22

The director of the Council of Doctoral Studies (CSUD) is prof. univ. dr. Ionel Mangalagiu having the following contact details:

- Phone: 0232201014
- E-mail: ionelm@uaic.ro

We mention that we have taken note of the value of the tariffs included in ***the ARACIS Council Decision no. 2 of 28.01.2021 regarding the approval of the tariffs related to the external evaluation of the doctoral university studies:***

RECTOR
Prof. univ. dr. Tudorel TOADER

INTERNAL EVALUATION REPORT

Report presented to ARACIS Department of accreditation by :

Faculty: FACULTY OF PHYSICS

Doctoral study domain: PHYSICS

Contact: MARDARE DIANA MIHAELA
e-mail: dianam@uaic.ro
telefon: 0721378714

Information presented in this Report is complete, accurate and according to professional ethics principles.

Doctoral School Director,

Prof. univ. dr. MARDARE Diana Mihaela

CSUD Director,

Prof. univ. dr. MANGALAGIU Ionel

June-2021

Contents

1. PRESENTATION OF THE DOCTORAL SCHOOL OF PHYSICS OF THE "ALEXANDRU IOAN CUZA" UNIVERSITY OF IAȘI

1.1.Foundation

Physics education in Iasi has a traditional of over a century and a half. The beginnings must be sought in the Academiei Mihailene (1835) where there is a strong current of concern for the study of natural science. After the founding of first modern higher intitution education from Romania, University from Iassy (1860), Dupa fondarea primei institutii moderne de invatamant superior din Romania, Universitatea din Iasi (1860), Schools of Physics were created under the guidance of personalities such as Petru Bogdan, Dragomir Hurmuzescu, Horia Hulubei, Stefan Procopiu, Serban Titeica and others. Due to these great personalities of physics, but also to their successors, it was possible develop education and scientific research in the field of Physics at the „ALEXANDRU IOAN CUZA” University from Iasi (UAIC). The result was the establishment of the Faculty of Physics as an independent unit within UAIC, by the Decision of the Council of Ministers of the Romanian People’s Republic of May 30, 1962. Today, Faculty of Physics, through the domains offered to the students, throughthe youth and the quality of the teaching staff, it is one of the leadind facltuies of the UAIC. It is known in the country and abroad through the teaching and research programs it carries out, but also through the quality of the graduates. First PhD thesis in Physics defended in Iasi, was entitled “*Photoelectric Effect X*” being elaborated by Constantin Bedreag in 1919, with a commission chaired by Petru Bogdan. Over the time, the organizations of doctoral stidies has undergone various changes, which were due both to the dynamics of adaptations to the need for specialists with doctoral stidies, in Romania and abroad, and alignment with European legislation. In May 2005, the Oragizing Institution for Doctoral University Studies (IOSUD) was created within the Alexandru Ioan Cuza University from Iasi (UAIC). Based on the internal methodologies developed at IOSUD-UAIC, in June 2012 the Council for Doctoral University Studies (CSUD) was established, and the CSUD director was appointed through a competition. At the level of doctoral schools a council of Doctoral Schools and a director were elected. Today, the Doctoral School of Physics is an active academic community thanks to the 22 PhD supervisors, 18 research guides and 54 registed PhD studets enrolled in this academic year.

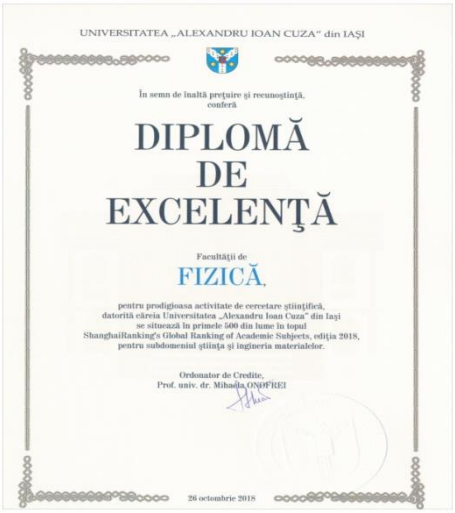
The doctoral programs are supported by the effort of the professors and researchers within the Phyiscs department, of the Faculty of Physics, but also of the associate professors within Technical University "Gheorghe Asachi" from Iasi and researchers from the National Institute of Reserach and Development for Technical Physics-IFT Iasi.

Interdisciplinary research topics are highly topical and enjoy international visibility and recognition. Within SDF there are following study directions: Plasma physics, Polymer Physics, Optics and Spectroscopy, Biophysics, Medical Physics, Self-organization, Advanced Materials Physics. Nanotechnology, Modeling and simulation, Theoretical physics.

Within Doctoral School of the Faculty of Physics, graduates of master’s studies (Bologna) and graduates from related fields (engineers, chemists, doctors, biologists, etc) equivalent to Master’s studies can improve their doctoral training in the field of Physics. Some of the doctoral studies are completed in co-tutoring with prestigious universities from Europe, United States of America and Japon. The scientific results are well known nationally and internationally, not only through in high-impact journals but also through the scientific titles and diplomas of merit received by some of the members of the research groups within Faculty of Physics at prestigious universities from Europe and

USA. The financing of the scientific research activity of the PhD students is realized manly through the grants and research projects, obtained not only by the supervisors, but also by the other members of the Faculty of Phyiscs. Based on these grants, SDF has a high quality infrastructure.

It should be mentioned that the joint efforts, mostly of PhD students under their supervisors, led to the propulsion in 2018 of the **Faculty of Phyiscs in the top 500 Shanghai Global Ranking,** which is why the Fcaulty of Physics received the Diploma of Excellence for scientific research in the field of Materials science and engineering, on the occasion of the 158th anniversary ceremony of the founding of the University from Iasi.


UNIVERSITATEA „ALEXANDRU IOAN CUZA“ din IAŞI

În semn de înaltă prețuire și recunoștință, conferă

DIPLOMĂ DE EXCELENŢĂ

Facultății de

FIZICĂ,

pentru prodigioasa activitate de cercetare științifică, datorită căreia Universitatea „Alexandru Ioan Cuza” din Iași se situează în primele 500 din lume în topul Shanghaiîanking's Global Ranking of Academic Subjects, ediția 2018, pentru subdomeniul știința și ingineria materialelor.

Ordonator de Credite,
Prof. univ. dr. Mihaela ONOFREI

26 octombrie 2018

1.2 Structure

SDF is organized as a distinct Departament of Faculty of Physics with its own Regulations and management structures. SDF has only one doctoral topic : Physics.

Management of the Doctoral School in Physics is ensured by a council (CSD) which includes:

Manager

- Prof. Dr. Diana Mihaela MARDARE–Alexandru Ioan Cuza University from Iasi

Members of CSD SDF

- C.S.I Dr. Mariana PINTEALA – Petru Poni Institute of Macromolecural Chemistry Iasi
- C.S.I Dr. Nicoleta LUPU – National Institute of Reserach and Development for Technical Physics-IFT Iasi
- Prof. dr. habil. Laurentiu STOLERIU – Alexandru Ioan Cuza University from Iasi
- PhD student Alexandra BESLEAGA– Alexandru Ioan Cuza University from Iassy

1.3. Evolution

Doctoral School in Physics has evolved so far, from all scientific, administratives, relational perspectives: strategic orientation, offer of advanced univeristy training (subjects from the curriculum), the quality of the coordination and the support offered by the guidance commissions, criteria for evaluating PhD thesis and scientific development of PhD students, relation with other research institutions and economic medium. A syntetic image of the evolution of PhD students enrolled for the evaluated periode is presented in the table below. It can be observed that between 2015-2020 the number of PhD students decreased by comparison with academic year 2014-2015, as a result of the decrease of the number of the position obtained from the budged . The pre-universitary environment offers a significant number of PhD students by enrolling in the doctorat some teachers who want to improve in different topics.

Academic year	No. PhD students enrolled in first year	No. PhD students enrolled in first year with national fellowship	No. PhD students enrolled in first year without fellowship	No. PhD students enrolled in first year with fellowship, who on 1st October were working in pre-university education
2014-2015	21	12	8(UAIC fellowship) +1 (fee)	3
2015-2016	10	10	0	5
2016-2017	12	11+1 (fellowship R.MD)	0	3
2017-2018	11	9	1 (UAIC fellowship)+ 1(without fee)	1
2018-2019	9	8	1 (fee)	3
2019-2020	8	8	0	4
2020-2021	11	5 +1 fellowship RM	4(3 UAIC fellowship + 1 without fellowship) + 1 fee	4

PhD students enrolled in academic year 2019-2020

No.	**Study year (2019-2020)**	**Name and surname**	**Supervisor**
1	Year 4 grace	Benchea G. Andreea - Celia	prof. dr. Dana DOROHOI
2	Year 4 grace	Ioniţă N. Ştefan	prof. dr. Felicia IACOMI

3	Year 4 grace	Zacreţchi S.D. Flavian-Mihai	prof. dr. Alexandru STANCU
4	Year 3 grace	BUTUC V. IRINA	Prof. univ. dr. Maricel AGOP
5	Year 3 grace	CĂROAIE V. OCTAVIAN-VASILE	Prof. univ. dr. Ovidiu CĂLŢUN
6	Year 3 grace	DĂNCEANU S. CAMELIA – MIHAELA, căs. ZARĂ	Prof. univ. dr. Maria NEAGU, C P I dr. Horia CHIRIAC
7	Year 3 grace	TOMA M. MIHAELA	Prof. univ. dr.Felicia IACOMI
8	Year 3 grace	VĂIDEANU O. DORIN	Prof. univ. dr.Maricel AGOP
9	Year 2 grace	DASCĂLU M. ADINA căs. BRÂNZĂ	Prof. univ. dr.habil. Lucel SÎRGHI
10	Year 2 grace	DRĂGAN D. VALENTIN - STELIAN	Prof. univ. dr.Maricel AGOP
11	Year 2 grace	GAVRILUŢ N. GABRIEL	Prof. univ. dr.Maricel AGOP
12	Year 2 grace	GUZU G. ALEXANDRA căs. MAFTEI	Prof. univ. dr. Liliana MITOȘERIU
13	Year 2 grace	PUNGĂ C. IOANA - LUCIANA	Prof. univ. dr. Felicia IACOMI
14	Year 2 grace	TANASĂ C. GEORGIANA căs. ȘERBAN	Prof. univ. dr.Maricel AGOP
15	Year 1 grace	BEŞLEAGĂ I. ALEXANDRA	Prof. univ. dr. habil. Lucel Sîrghi
16	Year 2 grace	CHIRIAC D. DANIELA – VERONICA, căs. NISTOR	Prof. univ. dr. Nicoleta Dumitrașcu
17	Year 1 grace	COCEAN G. IULIANA	Prof. univ. dr. Felicia Iacomi
18	Year 1 grace	POPESCU D. LUCIA – LARISA, căs. LIPAN	Prof. univ. dr. habil. Dorina Creangă
19	Year 1 grace	HUŢUȘORU LUMINIŢA, cas .POPA	Prof. univ. dr. Felicia Iacomi
20	Year 1 grace	DOMOCOȘ A. ANDREI – ADRIAN	Prof. univ. dr. Alexandru Stancu
21	Year 1 grace	GALAI C. OTILIA – SANDA, căs. PRELIPCEANU	Prof. univ. dr. habil. Liviu Leontie
22	Year 1 grace	NEDELCU M.C. OVIDIU – MIHAI	Prof. univ. dr. MaricelAgop
23	Year 1 grace	RADU P.V. ECATERINA	Prof. univ. dr. Maria Neagu
24	Year 1 grace	ŢURCAN A. INA	Prof. univ. dr. Liliana Mitoșeriu

25	III year	HROŞTEA Ş. LAURA	Prof. univ. dr. habil. LiviuLeontie
26	III year	CIUCIU I. LIDIA-CERASELA căs. FARCAŞ	Prof. univ. dr. Ovidiu CĂLŢUN
27	III year	LUKACS L. VLAD-ALEXANDRU	Prof. univ. dr. Liliana Mitoșeriu
28	III year	AMANOLOAEI C. GHEORGHE	Prof. univ.dr. habil. LaurenţiuStoleriu
29	III year	BACAOANU P. MIRELA-CRENGUŢA	Prof. univ. dr. Nicoleta DUMITRAŞCU
30	III year	DRAGOMIR I. ISABELA-ŞTEFANIA	Prof. univ. dr. Tudor LUCHIAN
31	III year	ENESCU I. FLORIN	Prof. univ. dr.Maricel AGOP
32	III year	HLENSCHI I. COSTICĂ	Prof. univ. dr. Maria Neagu
33	III year	GERBER M.G. IOANA-CRISTINA	Prof. univ.dr. habil. Gabriela Borcia
34	III year	FILIP G.I.ANDREEA-GEORGIANA	Prof. univ. dr. Ovidiu CĂLŢUN
35	III year	ALUPULUI Teodor - Iulian	Prof. univ. dr. Felicia Iacomi
36	III year	TEODOROFF – ONESIM Sabina	Prof. univ. dr. Lucel Sîrghi
37	II year	BÎRLEANU N. EMMA - ROXANA	Prof. univ.dr. habil. Gabriela Borcia
38	II year	BUCĂTARU I.S. IOANA - CEZARA	Prof. univ. dr. Tudor LUCHIAN
39	II year	FRĂSILĂ T. MIHAIL	Prof. univ. dr. MaricelAgop
40	II year	HUŞANU V.D. GEORGIANA - FRANCISCA	Prof. univ. dr. habil. LiviuLeontie
41	II year	LISNIC I. PETRU	Prof. univ. dr. habil. LiviuLeontie
42	II year	MIHALCIUC I. MIHAELA - DIANA	Prof. univ. dr. AlexandruStancu
43	II year	SAVIUC V. ALEXANDRA - IULIANA	Prof. univ. dr. MaricelAgop
44	II year	ŢIFUI G. GABRIELA	Prof. univ. dr. LucelSîrghi
45	II year	ZARĂ F. ALEXANDRU - DUMITRU	Prof. univ. dr. Ovidiu CĂLŢUN
46	I year	ASTĂCIOAIE I. MARIA căs. DIACONU	conf. univ. dr. habil. Silviu GURLUI
47	I year	CIOBANU O. ROXANA	prof. univ. dr. habil Gabriela Borcia

48	I year	FÂNARU C.C. ANDREEA - ROXANA	prof. univ. dr. habil DorinaCreangă
49	I year	GAROFALIDE P. SILVIA – TUDORIŢA căs. IACOB	prof. univ. dr. habi lLiviuLeontie
50	I year	HATESCU B. IUSTINA	prof. univ. dr. habil Gabriela Borcia
51	I year	MINUŢI N. ANCA - EMANUELA	prof. univ. dr. habil DorinaCreangă
52	I year	SABIE V. VALENTINA	prof. univ. dr. Ovidiu Călţun
53	I year	SURDU S. CRISTINA căs. STAVILĂ	prof. univ. dr. habil Dorina Creangă

Regarding the number of PhD students, from table above it can seen that it is almost constant in evalution periode, some of the supervisor becoming EMERITUS professors, they extend their activity in DSP until reaching the age of 70 years or even more, providing they have PhD students in internship (according to the DSP Art.10 (4)).

Academic year	No. of PhD supervisors in SDF	No. retired PhD supervisors	No. of habilitated PhD supervisors
2014-2015	18	3	1
2015-2016	17	4	1
2016-2017	19	4	1
2017-2018	19	4	1
2018-2019	19	5	2
2019-2020	19	4	2
2020-2021	22	4	3

From Phd supervisors habilitated between 2014-2020, two did not join to DSP, and 3 of them received affilation in 2021.

1.4. Research Mission

Intitutional Mission of Doctoral School of Physics is to assure a rigorous and friendly (facile) research medium, that allowed intellectual and professional development of PhD students and to contributed at society evolution.

The Vision of SDF is to become a benchmark of advanced research for academic, economic and social medium. The doctoral education, actual research and results dissemination are carried out synergistically.

In terms of **research mission, SDF aims to develop quality doctoral research from a dual perspective rigorous in terms of methodology and relevant at social level**.

Thus, if we refer to the relevant-rigorous matrix of scientific research aand its results, SDF aims to conducr doctoral research within the framework of "Pragmatic science".

Relevant-rigorous matrix of the research

		Metodological rigor Low	High
Practical relevance	High	Popular science	**Pragmatic science**
	Low	Childish science	Pedantic science

1.5. Level of quality certification

SDF respects the principles established by the European Researcher's Book and the Code of Conduct for the Recruitment of Researchers. Since April 10, 2014, UAIC has the "HR Excellence In Research" quality certification.

UAIC - IOSUD and the Faculty of Physics - SDF aim to achieve high quality standards in teaching (advanced doctoral training program) and research.

Doctoral studies have a significant scientific research component imposed by a very valuable teaching staff, present in the scientific world through scientific papers included in international databases (ISI, Scopus, etc.).

The superior quality of education and research in the Doctoral School of Physics is recognized nationally and worldwide, as evidenced by the numerous scientific collaborations materialized in joint papers, in internships as guest lecturer or researcher, in participation in scientific events and collaborations on teaching materialized in exchanges of students and teachers. These collaborations, either direct or through European Union programs such as Erasmus +, take place with numerous foreign institutes. There are agreements concluded between the Faculty of Physics and research institutes in which doctoral students can make complementary experimental measurements (Petru Poni Institute -Iasi, Institute of Technical Physics-Iasi, National Research and Development Institute for Physics and Nuclear Engineering "Horia Hulubei" (IFIN -HH), Regional Institute of Oncology (IRO) –Iasi) (Annex 1)

The research centers and laboratories of the Faculty of Physics have an endowment that ensures the development in good conditions of the proposed research activities. Equipment is presented publicly on the SDF website: https://www.phys.uaic.ro/index.php/scoala-doctorala/centre-laboratoare-cercetare-doctorat/).

Also on the SDF website (https://www.phys.uaic.ro/index.php/scoala-doctorala/centre-laboratoare-cercetare-doctorat/) there is a link with the equipment from the faculty (http: // www2 .phys.uaic.ro/equipement-de-recherchee_c2119.html).

1.6. Specific measures for quality management and promotion of professional ethics and deontology implemented at the level of the doctoral school

In addition to complying with the UAIC's internal methodology and procedures in terms of quality management SDF has its own procedures aimed at improving the quality of the entire doctoral process and which include consultations of the General Assembly of PhD supervisors for proposals to amend regulations, gather feetback for PhD students.

At the heart of the SDF value system are the cardinal virtues – Discernment, Justice, Courage, Temperance and research values recognized at European level through *European Code of Conduct for Research Integrity:*

- ✓ Reliability
- ✓ Honesty
- ✓ Respect
- ✓ Accountability/Dependability

SDF also assumes and respects the authorship principles of the *Vancouver convention of joint authorship*, according to which only the person who made the following can appear as a co-author on an article:

- ✓ Substantial contribution to the conception or design of the article, or to the obtaining analysis or interpretation of the data of the article
- ✓ Writing the draft article or reviewing it critically for important aspects of content
- ✓ Checking the final version to be published
- ✓ Agreement to assume responsibility for all aspects related to the accuracy or integrity of any part of the article

The SDF Regulation has in its entirety articles that refer to the Observance of scientific and university ethics (Art. 6, 24, 27, 28, 33).

At the level of SDF various measures are taken to prevent any form of fraud in the results of doctoral research. According to art. 4 alin. (1) lit. d) of Low no. 206/2004 on good conduct in scientific research, technological development and innovation plagiarism means „ *the presentation in a written work or oral communication, including electronic format, of texs, expressions, ideas, demonstrations, data, hypotheses, theories, results or scientific methodsextracted from written works, including electronic format, of other authors, without mentioning this and without referring to the original sources".*

Plagiarism is sanctioned according to the provisions of the Code of Ethics and Professional Ethics of the University Alexandru Ioan Cuza from Iasi (Codul-de-Etica-UAIC_23.05.2019.pdf), respectively the national legal provisions- Low no. 206/2004 on good conduct in scientific research, technological development and innovation and Low no. 1//2011 of the National Education.

1.7. Presentation of human resourses

Within the doctoral field of Phyiscs, the Doctoral School of Phyisics, carries out its activity, this year (2021-2022), 22 PhD supervisors, of which 4 are associate professors: Prof.dr. MARICEL AGOP is professor at TECHNICAL UNIVERSITY "GHEORGHE ASACHI" FROM IASI, and PhD supervisors: NEAGU MARIA, NICOLETA DUMITRASCU, LUCA DUMITRU and IACOMI DACIA FELICIA are EMERITUS professors, who have PhD students in internship, or have not reached the age 70 (according to SDF Reglementation, Art.10 (4)). *Three PhD supervisors out of 22, joined SDF in 2021, receiving the habilitation certificate in 2020. It is about: conf.dr.habil. TOPALA IONUT, lect.dr.habil.CURECHERIU LAVINIA and conf.dr.habil. DIMITRIU DAN.*

Dana Dorohoi and CS1 dr. Horia Chiriac, retired, completed, during the evaluated period, the PhD supervisions for the PhD students in the grace period.

No.	PhD supervisors	E-mail
1	Prof. dr. habil. Gabriela Borcia	g.borcia@uaic.ro
2	Prof. dr. Ovidiu Florin Caltun	caltun@uaic.ro
3	Prof. dr. habil. Dorina Creanga	mdor@uaic.ro
4	Prof. dr. Ciprian Dariescu	ciprian.dariescu@uaic.ro
5	Prof. dr. Marina Aura Dariescu	marina@uaic.ro
6	Prof. dr. Nicoleta Dumitrascu	nicoleta.dumitrascu@uaic.ro
7	Prof. dr. Felicia Iacomi	iacomi@uaic.ro
8	Prof. dr. habil. Cristian Enachescu	cristian.enachescu@uaic.ro
9	Prof. dr. habil. Liviu Leontie	lleontie@uaic.ro
10	Prof. dr. Dumitru Luca	dumitru.luca@uaic.ro
11	Prof. dr. Tudor Luchian	luchian@uaic.ro
12	Prof. dr. Diana Mardare	dianam@uaic.ro
13	Prof. dr. Liliana Mitoseriu	lmtsr@uaic.ro
14	Prof. dr. Maria Neagu	mneagu@uaic.ro
15	Prof. dr. habil. Lucel Sirghi	lsirghi@uaic.ro
16	Prof. dr. Alexandru Stancu	alstancu@uaic.ro
17	Prof. dr. habil. Laurentiu Stoleriu	lstoler@uaic.ro
18	Prof. dr. Maricel Agop	m.agop@yahoo.com
19	Conf. dr. habil.Silviu Gurlui	sgurlui@uaic.ro
20	*Conf. dr. habil. Ionut Topala*	*ionut.topala@uaic.ro*
21	*Conf. dr. habil. Dan Dimitriu*	*dimitriu@uaic.ro*
22	*Lect. dr. habil.Lavinia Curecheriu*	*lavinia.curecheriu@uaic.ro*

According to the Reglementation of SDF Art.10 (4), PhD supervisors who have reached the age of 70 and who no longer have PhD students in their internship, can no longer guide new PhD students, completing the last activities in which they were involved; at the time of acquiring the quality of PhD supervisors there is no affiliation procedure to the Doctoral School so there was no need for a “disaffiliation”. These coordinators can be consulted at any time to enhance their teaching and research experience.

In addition to the 22 PhD supervisors, SDF has 18 research guides this academic year, teachers from our faculty and from the Technical University "Gheorghe Asachi", as well as scientific researchers from our faculty and from IFT who are part of the PhD students guidance.

1.8. Presentation of the existing research infrastructure at the level of the doctoral school

The research centers and laboratories have an infrastructure that ensures the development in good conditions of the proposed research activities. The table below shows in the first part equipment worth more than 100000 lei that have been put into operation in recent years, and equipment purchased from research projects, in the period 2016-2020 (with bold letters), equipment that can be found corresponding link to the laboratories in our faculty- given on the SDF website. Also here is a link with the equipment from the faculty.

Atmosphere Optics, Spectroscopy and Lasers Laboratory LOASL - ACTRIS-RO UAIC
https://eeris.eu/erif-2000-000f-0796
Center for Applied Research in Physicsand Advanced Technologies - CARPATH
https://eeris.eu/erif-2000-000n-2387 ;
https://stoner.phys.uaic.ro/equipment/magnetic-measurements.html
Dielectrics, Ferroelectrics&Multiferroics Laboratory
https://eeris.eu/erif-2000-000z-0736
Iasi Plasma Advanced Research Center (IPARC)
https://eeris.eu/erif-2000-000c-0743
Integrated Platform for Advanced Studies in Molecular Nanotechnologies - AMON
https://eeris.eu/erif-2000-000y-2388
Molecular Biophysicsand Medical Physics Laboratory
http://www2.phys.uaic.ro/bio/index_files/Biofizica_FizicaMedicala_Equipment.html
https://eeris.eu/erif-2000-000q-0703
Advanced Experimental snd Theoretical Research Center in Condensed Matter Physics
https://eeris.eu/ERIF-2000-000R-3620

See also Annex 2

No. Inventory	Name	Values (lei/euro)
229444	Spectrometru de absorbtie in infrarosu cu transformata Fourier, Jasco FT/IR-4700 - detector DLaTGS thermostat; - interferometru sigilat si dezumidificat, cu sistem de management a sursei de radiatie pentru dezumidificare activa; - beam splitter	106,981.00
229438	Instalatie de producere a unei plasme magnetizate 1. Incinta sferica prevazuta cu urmatoarele porturi (flanse): 3 porturi fixe 160CF, 4 porturi fixe tip 63CF, 7 porturi fixe tip 40CF, 3 porturi tip KF25; 2.3 buc. porti cu acces rapid PN: 640-QA	315,350.00
229358	Laser Quantel, model YG981E	409,990.70
229357	Fotometru multibanda CIMEL –SUN SKY LUNAR-CE318-TS9 Modulul include laptop cu software de lucru dedicat [ASTPWIN] pentru comunicarea datelor catre platforma de calcul AERONET – NASA; Garantie: 12 luni de la data receptiei	249,995.20

229046	Detector HPGe (germaniu hiperpur) pentru spectrometru Ortec Nomad de radiatii gama existent (nr. inv. 401531)	122,346.00
229019	Presa manuala izostatica TOP INDUSTRIES FRANTA+ Suport pentru presa isostatica COD2283 cu 2500 bar, + pompa manuala de 4000 bar din otel cod 609 28 00PU+ rezervor de umplere +valve de 4000 bar pentru izolare + senzor de presiune de 2500 bar + c	138,508.80
228662	Sistem modular pentru spectrosocopie RAMAN Avantes – PN: AvaRAMAN – 785 TEC-USB2 - laser cu lungimea de unda de 785 nm cu largimea de banda de < 0.2 nm; cu putere variabila 5mW pana la 500 mW cu un pas de 10 mW; - detector cu racire pentru un	105,995.20
228452	Lichid cromatograf HPLC-UV-Vis/DAD Agilent Technologies Seria 1260 Infinity - sistem complet modular si upgradabil cu module suplimnetare in functie de necesitatile beneficiarului; - poate fi upgradat la modul de operare 2DLC („LC comprehensi	225,637.84
228440	Sistem integrat de rezolvare spatio-temporala a proceselor fizico-chimice din atmosfera terestra 1. modul oscilator parametriv optic laser spec vis opo+uc-sgh; 2. adaptor fibra optica model fc-446-020; 3. expandor de fascicul laser uv-cv1 la	299,708.00
227866	Sistem integrat de caracterizare optica si spectrala a plasmei produse prin ablatie laser sub vid si in atmosfera libera	709,528.00
227635	Microscop de forta atomica.Sistem AFM complet. Microscop de forta atomica (AFM) Sistemul compus din: 1) scaner cu flexura ghidata XYZ, Scanner XY, Scanner Z 2) Cap AFM 3) Microscop optic on-axis cu camera digitala CCD color si plat	460,018.92
227437	Criostat optic si accesorii	171,591.20
226765	Camera ccd model du 860e cs bv cci 23 pci controller card solis operating software sdk	152,520.00
2266380	Fotometru solar cu sistem automat de directionare	128,767.85
225492	Montura de masura a proprietatilor electrice/magnetice la temp.joase in camp vert.parti regulator de debit vas dewar pt. he, pt. azot compresor de aer cs-5 pompa turbo si acces.	627,439.19
2253630	Componente optice anexe la masa optica	1,386,819.53
225283	Sistem spectrometric uv-vis-nir model tec5ag	158,270.00
225048	Spectrometru de fotoelectroni	1,453,552.50
224939	Analizor de raspuns in frecv. hf solatron analytical cu acces. Interfata dielectrica; diel.sample holder; electrode kit; cablu de conexiune calc. analizor	211,694.46
224911	Spectrofluorimetru fluoromax 4 (celula cu vol. redus 1ml 5*5mm adaptor si agitator magnetic lampa xenon 150W fara ozon software fluorescence cu licenta ptr. origin)	114,392.55
223941	Difractometru de raze x MO9D	339,306.31
223921	Analizor de impedante	163,433.31
223816	Analizor spectral (microwave vector network analyzer)	541,884.05
223785	Supercomputer	1,107,184.79
223570	Sistem de depunere multifunctional	112,506.00
223466	Amplificator de inalta tensiune	138,278.00
222709	PMC magnet supply controller	285,214.82
221751	Amplificator de tensiune mod 30/20a high voltage, generator de fct.	128,401.00

221455	Instalatie de producere a azotului lichid	177,979.97
224624	MICROMANIPULATOR 2 AXE DISPLAY; BT206/31.03.2008	11,367.36
222714	EPC 8 Pach Clamp Amplifier, acc.Faradey Gage, Banch Top rack; Bt401/27.03.2006	12.698.91
229715	**Amplificator de semnal biologic multiplu canal Multiclamp 700B; BM 3/02.07.2019**	**84,314.88**
229863	**Microcalorimetru PEAK-ITC; BM29/31.10.2019**	**547,934.31**
229343	**SPECTOMETRU UV-VIS pentru probe in volume miciNanoDrop with WIFI; BM2/06.10.2017**	**69,734.00**
nou	**Camera digitata cu focalizare automata /Luchian**	**/8000euro**
nou	**SILVER-Nova Super Range TE Cooled Spectrometers /Luchian**	**/3000euro**
228969	**Sursa de curentsitensiune HM7042-5 /Doc. BM50/26.08.2016**	**3660.00**
228934	**Rotor unghiularpentrucentrifuga 320/ Doc. BM22/28.07.2016**	**2877.60**
6102921	**Multimetru TRMS Fluke289/Doc. BCOI 39/19.08.2016**	**2382.00**
229498	**Telescop computerizat Maksutov-Cassegrain SkyWatcher Mak 127 EQ3-2 cu trepied din otel / BM 1/05.07.2018**	**2950.00**
6108507	**Telescop BRESSER Messier 5 Dobson/ BCO 2/04.03.2020**	**848.99**
1100364	**Planetariu de camera Homestar /BC 31/04.03.2020**	**570.00**
	Controler joja de presiune compatibil minim sau echivalent cu modelul XGS-600 Gauge Controller AGILENT PN: XGS600H0M0C0A1/2016	**8100.00**
	Joja de vid capacitiva cu diafragmaModel: CDG-500 Capacitance Diaphragm Gauge/2016	**7900.00**
229785	**Distilator Liston A 1104/2019**	**5657.24**
229837	**Centrifuga de laborator Liston C 2201/2019**	**40700.08**
223098	**Agitator magnetic cu incalzire/2017**	**2099.41**
229339	**pH-metru FiveEasy/2017**	**2915.5**
229565	**Baie de ultrasunete Emmi-40HC/2018**	**3297.03**
229438	**Instalatie de producere a unei plasme magnetizate / 2017**	**315350**
228858 228857	**2 Joje vid de tip capacitiv / 2016**	**15120**
228327	**Flanşa mobila cu vizor pentru incinta vid (cuplare spectrometru de masa) /2016**	**3820**
229444	**Spectrometru de absorbţie in infraroşu cu transformata Fourier/2017**	**106987**
229406	**Sursa de alimentare si unitate de afisare cu 4 canale, pentru Mass Flow Controlere MKS, model 247D/2017**	**12495**
229608	**Incinta vid ISO F 250 CF 40-63-100 si accesorii/2018**	**19978**

228839	**Sistem racire camera ultrarapida ICCD CoolCUBE/2016**	**23,536.80**
228864	**Server cu procesor I7 6700K, ; Placa de baza ATX cusocket compatibil cu procesorul /2016**	**3,099.60**
228900	**Statie HP Z240Tower, cu procesor Xeon E3-1245 v5 ;chipset C236 Memorie RAM instalata 32 GB, DDR4 /2016**	**7,410.00**
228937	**Osciloscop digital Wave Surfer 3054/2016**	**33,480.00**
229335	**Sursmetru F 207-4736 KEITHLEY 2400 Source domeniu tensiune ± 200mV to ± 200V /2016**	**27,623.23**
229356	**TELESCOP GSO RC 400mm /2017**	**12,984.09**
229357	**Fotometru multibanda CIMEL –SUN SKY LUNAR-CE318-TS9 :Modulul include laptop cu software /2017**	**37,485.00**
229358	**Laser Quantel, model YG981E /2017**	**249,995.20**
229366	**Joja vid Agilent PCG-750 Pirani/Capacitiva /2017**	**409,990.70**
229367	**Trecere vid combinata contacte electrice + contacte /2017**	**2,677.50**
229368	**Debitmetru cu control de debit i afiaj integrat, debit : 0 -100 sccm, calibrare NIST /2017**	**11,483.50**
229369	**Debitmetru cu control de debit i afiaj integrat, debit : 1000 SLPM, afiaj tip LCD integrat de 2.1 /2017**	**19,754.00**
229370	**Flansa DN 100 CF cu viewport fused silica,Allectra /2017**	**5,021.80**
229374	**Controler motor pas cu pas, 3 canale /2017**	**14,901.18**
229375	**Motor pas cu pas, translatie liniara, Tip:NRT150/M /2017**	**11,984.49**
229376	**Motor pas cu pas, translatie liniara, Tip:NRT150/M /2017**	**11,984.49**
229377	**Motor pas cu pas, translatie liniara, Tip:NRT150/M /2017**	**11,984.49**
229385	**Osciloscop digital pentru domenii mixte MDO3104 4 canale analogice, banda de frecvente 1 GHz,**	**46,410.00**
7014020	**Licenta Windows 10 Pro, 32/64 bit, Engleza, Retail, USB.**	**999.01**
7014100	**Soft Lightfield V6 cu suport pentru sistem de operare Windows 10**	**9,427.18**
229561	**Profilometru stylus, model DektaXT • Sistem alimentare 220-240 VAC**	**212,260.30**
6108302	**Laptop Lenovo /2020**	**3899.99**
6102068	**imprimanta Brother/2018**	**440.31**
6109031	**Computer desktop/2016**	**2347.80**
229539	**Computer Desktop HP Elitedesk 800 /2018**	**5378.80**
229499	**Laptop Dell Inspirion 5570 I 5-8250U /2018**	**3388.47**
229336	**LAPTOP DELL XPS 9560 cu procesor I7-7700HQ,/2017**	**12,984.09**
229385	**Laptop HP 250 G6 i5-7200U, 15.6", 8GB, SSD 256GB, /2017**	**46,410.00**

7014020	**Osciloscop digital pentru domenii mixte MDO3104 4 canale analogice, banda de frecvente 1 GHz, /2017**	**999.01**
7014100	**Licenta Windows 10 Pro, 32/64 bit, Engleza, Retail, USB. /2017**	**9,427.18**
229527	**Computer asus-K31CD-K-RO008D /2018**	**3530.73**
228841	**ComputerDELL-OPTIPLEX,5040 MT-I7/2016**	**3769,20**
228842	**ComputerDELL-OPTIPLEX,5040 MT-I7 /2016**	**3769.20**
229528	**Computer asus-K31CD-K-RO008D /2018**	**3530.73**
229604	**Computer DELL-OPTIPLEX,3050-I7 /2018**	**3165.40**
229605	**Computer DELL-OPTIPLEX,3050-I7 /2018**	**3165.40**
229622	**Computer DELL-OPTIPLEX,5060MT /2018**	**4305.79**
229623	**Computer DELL-OPTIPLEX,5060MT /2018**	**4305.79**
229942	**Computer Dell Vostro 3471 /2019**	**2732.24**
228950	**Computer ASUS-K31…I7 /2016**	**3816.00**
228951	**Computer ASUS-K31…I7 /2016**	**3816.00**
229716	**Laptop Asus ViviBook S14 /2019**	**4698.12**
228893	**Laptop Asus N552VX /2016**	**4678.80**
228886	**Laptop Asus ROG G771JW /2016**	**5793.38**
229919	**Laptop ASUS VivoBook S14 S430FA-EB063T /2019**	**3167.91**
229902	**Laptop ASUS ZenPro 15 UX580GE /2019**	**9374.93**
229903	**Laptop ASUS ZenPro 15 UX580GE /2019**	**9374.93**
229714	**Laptop ASUS VivoBook S14 S430FA-EB046T /2019**	**84314.88**
228964	**Tableta SAMSUNG TAB S2 T815, 9,7",octa /2016**	**2499.97**
228965	**Tableta SAMSUNG TAB S2 T815, 9,7",octa /2016**	**2499.97**
229789	**Ultrabook ASUS ZenBook Pro 15 UX580GE /2019**	**7883.75**
229788	**Ultrabook ASUS ZenBook Pro 15 UX580GE /2019**	**7883.75**

To the resources inventoried above are added the online database to which the SDF community has subscription access through ***ANELIS PLUS 2020*** **–** National Electronic Access to Scientific Literature for the Support of the Research and Education System from (Project co-financed from the European Fund for Regional Development through Operational Program Competitiveness (2014-2020).

The general objective of the Anelis Plus 2020 project is to increase Romania's RDI capacity in the fields of intelligent and health specialization and it completely overlaps with the specific objective of the program. The project will increase the involvement of the Romania research environment in specialized international research networks, of major importance for the future development of science and technology, and will contribute, at the same time, to the development of appropriate information infrastructure to support large and complex research projects. Also, the project is in connection with specific objective that refers to the increase of Romanian participation in research at EU level because, through its objectives and expected results, it increase the visibility of Romanian research facilitates links with international research structures.
Alexandru Ioan Cuza University from Iasi, Subscriber resources 2018 (ANELIS PLUS 2020): Science Direct Freedom Collection; Scopus; SciFinder (CAS); MathSciNet

2. PRESENTATION OF THE DOCTORAL FIELD(S)

2.1. Objectives

The specific objectives of the Physics fields are:

- Providing advanced knowledge for the latest concepts and theories in the field of PHYSICS;
- Training of advanced researche skills and dissemination of doctoral research results;
- Stimulating the debate of ideas and plural and inter-disciplinary intellectual communication;
- promoting the principles of integration and responsibility of academic research;
- promoting the principles of diversity, cooperation and non-discrimination;

Within this field, the Doctoral School of Physics aims to go through some important procedural sequences from the educational perspective, in achieving its objectives, namely:

- ❖ Deepening the knowledge of the PhD students from all research directions within SDF, through advanced university training programs. We start, here, from the requirements of a continuous training process on two major dimensions:
  - Theoretical-methodological (of science and scientific research);
  - pragmatics – emphasis on practical applications
- ❖ Training PhD students and familiarizing them with the exercise of oral presentation and academic writing on topics of great interest, theoretically and practically. The ways of organizing the courses (interactive and co-participatory) of the seminars and of the scientific communications, of the analysis of the progress reports, etc., are through and subordinated to this purpose.
- ❖ Initiation and extension of cooperation relations with other doctoral schools in the country and abroad in the field of:
  - Scientific informations;
  - publications;
  - dissemination and valorization activities, materialized in the organization of scientific sessions, workshops, symposia;
  - mobilities and visits of some experts, which encourage the exchange of experience and cooperation;
  - national and international co-tutelle.

2.2. Mission

The mission assumed by the SDF members in the field of doctoral studies in Physics is subscribed to the one assumed by SDF to ensure a rigorous and favorable research environment (facilitator), which allows the intellectual and professional development of PhD students and contributes to the evalution of society.

Doctoral School in Physics Scoala Doctorala de Fizica aims to improve the quality of Romanian research in Physics, by promoting topics of real, wide and current interest, based on established academic values and societal requirements, in terms of promoting quality and efficiency, based on entreprenorial managerial behavior to ensure a balance dynamic between the faculty and environment in which it operates

2.3. Curricula

In the last 5 years, 6 specialized courses were taught, in which the main directions of study in the faculty are presented, and, starting with the academic year 2018-2019, a course referring to the methodology and ethics of scientific research, entitled, “Ethics and academic integrity” https://www.phys.uaic.ro/index.php/scoala-doctorala/planuri-invatamant-doctorat/

2.4. Number of doctoral supervisors

Within the doctoral field of Phyiscs, the Doctoral School of Phyisics, carries out its activity, this year (2021-2022), 22 PhD supervisors, of which 4 are associate professors: Prof.dr. MARICEL AGOP is professor at TECHNICAL UNIVERSITY "GHEORGHE ASACHI" FROM IASI, and PhD supervisors: NEAGU MARIA, NICOLETA DUMITRASCU, LUCA DUMITRU and IACOMI DACIA FELICIA are EMERITUS professors, who have PhD students in internship, or have not reached the age 70 (according to SDF Reglementation, Art.10 (4)). *Three PhD supervisors out of 22, joined SDF in 2021, receiving the habilitation certificate in 2020. It is about: conf.dr.habil. TOPALA IONUT, lect.dr.habil.CURECHERIU LAVINIA and conf.dr.habil. DIMITRIU DAN*.

Dana Dorohoi and CS1 dr. Horia Chiriac, retired, completed, during the evaluated period, the PhD supervisions for the PhD students in the grace period.

According to the Reglementation of SDF Art.10 (4) (http://www.phys.uaic.ro/wp/scoala-doctorala/regulamente-scoala-doctorala-fizica/regulament-studii-doctorat-scoala-doctorala-fizica-iasi.pdf)), PhD supervisors who have reached the age of 70 and who no longer have PhD students in their internship, can no longer guide new PhD students, completing the last activities in which they were involved; at the time of acquiring the quality of PhD supervisors there is no affiliation procedure to the Doctoral School so there was no need for a “disaffiliation”. These coordinators can be consulted at any time to enhance their teaching and research experience.

No.	PhD supervisors	E-mail
1	Prof. dr. habil. Gabriela Borcia	g.borcia@uaic.ro
2	Prof. dr. Ovidiu Florin Caltun	caltun@uaic.ro
3	Prof. dr. habil. Dorina Creanga	mdor@uaic.ro
4	Prof. dr. Ciprian Dariescu	ciprian.dariescu@uaic.ro
5	Prof. dr. Marina Aura Dariescu	marina@uaic.ro
6	Prof. dr. Nicoleta Dumitrascu	nicoleta.dumitrascu@uaic.ro
7	Prof. dr. Felicia Iacomi	iacomi@uaic.ro
8	Prof. dr. habil. Cristian Enachescu	cristian.enachescu@uaic.ro
9	Prof. dr. habil. Liviu Leontie	lleontie@uaic.ro
10	Prof. dr. Dumitru Luca	dumitru.luca@uaic.ro
11	Prof. dr. Tudor Luchian	luchian@uaic.ro
12	Prof. dr. Diana Mardare	dianam@uaic.ro
13	Prof. dr. Liliana Mitoseriu	lmtsr@uaic.ro
14	Prof. dr. Maria Neagu	mneagu@uaic.ro
15	Prof. dr. habil. Lucel Sirghi	lsirghi@uaic.ro
16	Prof. dr. Alexandru Stancu	alstancu@uaic.ro
17	Prof. dr. habil. Laurentiu Stoleriu	lstoler@uaic.ro
18	Prof. dr. Maricel Agop	m.agop@yahoo.com
19	Conf. dr. habil.Silviu Gurlui	sgurlui@uaic.ro
20	Conf. dr. habil. Ionut Topala	ionut.topala@uaic.ro
21	Conf. dr. habil. Dan Dimitriu	dimitriu@uaic.ro
22	Lect. dr. habil.Lavinia Curecheriu	lavinia.curecheriu@uaic.ro

2.5. The evolution of the number of doctoral students

In the table below a syntetic image of the evolution of PhD students enrolled for the evaluated periode is presented in the table below. It can be observed that between 2015-2020 the number of PhD students decreased by comparison with academic year 2014-2015, as a result of the decrease of the number of the position obtained from the budged . The pre-universitary environment offers a significant number of PhD students by enrolling in the doctorat some teachers who want to improve in different topics.

Academic year	No. PhD students enrolled in first year	No. PhD students enrolled in first year with national fellowship	No. PhD students enrolled in first year without fellowship	No. PhD students enrolled in first year with fellowship, who on 1st October were working in pre-university education
2014-2015	21	12	8(fellowship UAIC) +1 (fee)	3
2015-2016	10	10	0	5
2016-2017	12	11+1 (fellowship R.MD)	0	3
2017-2018	11	9	1 (UAIC fellowship)+ 1(without fellowship)	1
2018-2019	9	8	1 (taxa)	3
2019-2020	8	8	0	4
2020-2021	11	5 +1 fellowship RM	4(3 UAIC fellowship + 1 without fellowship) + 1 fee	4

2.6.The evolution of the number of doctors in the last 5 years

The table below gives all the PhD defences that took place during the period 01.10. 2015 – 30.09.2020 (https://www.phys.uaic.ro/index.php/scoala-doctorala/sustineri-teze-doctorat/). There are 41 PhD students who had finished their studies in the last 5 years.

No.	Surname and name	PhD supervisor	Defence data
1	BOICU Maria	Prof. univ. dr. Maricel AGOP	10.10.2015
2	MIHAILEANU Doina	Prof. univ. dr. Maricel AGOP	10.10.2015
3	VRAJITORIU Lucia cas. MARIN	Prof. univ. dr. Maricel AGOP	7.11.2015
4	CARLESCU Aurelian	Prof. univ. dr. Felicia IACOMI	6.11.2015
5	ATITOAIE Alexandru	Prof. univ. dr. habil. Cristian ENACHESCU	5.12.2015
6	CIOLAN Mihai-Alexandru	Prof. univ. dr. Dumitru LUCA	08.02.2016
7	JIJIE Roxana	Prof. univ. dr. Nicoleta DUMITRASCU	27.10.2016
8	BODNARESCU Adrian	Prof. univ. dr. Ciprian DARIESCU	29.09.2016
9	GAFTON Elena-Vasilica	Prof. univ. dr. Ovidiu-Florin CALTUN	27.09.2016
10	BABUSCA Daniela	Prof. univ. dr. Dana Ortansa DOROHOI	18.09.2017
11	OANCA Gabriel	Prof. univ. dr. Dana Ortansa DOROHOI	20.10.2017

12	DAMIAN Alina	C S I dr. Horia CHIRIAC	28.09.2017
13	JITARIU Andrei-Claudiu	C S I dr. Horia CHIRIAC	28.09.2017
14	GHIZDOVAT Vlad	Prof. univ. dr. Maricel AGOP	24.03.2017
15	IACOB Dan-Dezideriu	Prof. univ. dr. Maricel AGOP	24.03.2017
16	GATU Irina-Nicoleta	Prof. univ. dr. Maricel AGOP	24.03.2017
17	BUDEANU Luiza-Camelia, cas. RACILA	Prof. univ. dr. Maria NEAGU	7.07.2017
18	IRIMICIUC Stefan-Andrei	Prof. univ. dr. Maricel AGOP	20.10.2017
19	CIUCHI Ioana-Veronica	Prof. univ. dr. Liliana MITOSERIU	25.09.2017
20	MIHU Denisa-Andreea	Prof. univ. dr. Marina-Aura DARIESCU	19.06.2018
21	PUSCASU Emil	Prof. univ. dr. Felicia IACOMI	3.09.2018
22	ANDRIES Maria	Prof. univ. dr. Felicia IACOMI	3.09.2018
23	PADURARIU Cipriana cas. CIOCLEA	Prof. univ. dr. Liliana MITOSERIU	24.09.2018
24	SAMOILA Florentina	Prof. univ. dr. habil. Lucel SIRGHI	27.09.2018
25	CALUGARU Cezarina cas. MOROSANU	Prof. univ. dr. Dana Ortansa DOROHOI	20.09.2018
26	GRITCO Antonina cas. TODIRASCU	Prof. univ. dr. Dana Ortansa DOROHOI	20.09.2018
27	SCRIPA Adina-Elena cas. TUDOSE	Prof. univ. dr. Dana Ortansa DOROHOI	21.09.2018
28	VERDES Andreea cas. TEODOR	Prof. univ. dr. Tudor LUCHIAN	28.09.2018
29	CIUCA Andrei	Prof. univ. dr. Tudor LUCHIAN	8.10.2018
30	COJOCARU Oana cas. RUSU	Prof. univ. dr. habil. Liviu LEONTIE	14.09.2018
31	TEODORESCU-SOARECLAUDIA-TEODORA	Prof. univ. dr. Dumitru LUCA	22.05.2019
32	COCEAN ALEXANDRU	Prof. univ. dr. Felicia IACOMI	26.08.2019
33	TIMOFTI OANA (căs. ȘUȘU)	Prof. univ. dr. habil. Liviu LEONTIE	18.09.2019
34	DEMETER PETRUȚA-ALEXANDRA (căs. DIACONU)	Prof. univ. dr. habil. Lucel SIRGHI	30.09.2019
35	GALAI OTILIA SANDA (căs. PRELIPCEANU)	Prof. univ. dr. habil. Liviu LEONTIE	13.12.2019
36	GUZU ALEXANDRA (căs. MAFTEI)	Prof. univ. dr. Liliana MITOSERIU	03.09.2020
37	COCEAN IULIANA	Conf. univ. dr. habil. Silviu GURLUI	16.09.2020
38	BENCHEA ANDREEA-CELIA (căs. HRISTEA)	Prof. univ. dr. Dana Ortansa DOROHOI	21.09.2020
39	DRAGOMIR ISABELA ȘTEFANIA	Prof. univ. dr. Tudor LUCHIAN	26.09.2020
40	HROȘTEA LAURA	Prof. univ. dr. habil. Liviu LEONTIE	28.09.2020
41	IONIȚĂ N. ȘTEFAN	Prof. univ. dr. Felicia IACOMI	30.09.2020

Statistics for PhD thesis:

Defence year	1.10. 2015	2016	2017	2018	2019	30.09.2020
Number of defence	5	4	10	11	5	6

SITUATION OF EX-MATRICULATION PhD STUDENTS

No.	Registration year	PhD student	Ex-matriculation decision
1	1.10.2010	OJICĂ N. SILVANA	Nr. 15/28.07.2017
2	1.10.2012	DIACONESCU A. CĂTĂLINA CARMEN, căs. CIOBANU	Nr. 16/28.07.2017
3	1.10.2012	FILOTE D. ȘERBAN	Nr. 17/28.07.2017
4	1.10.2013	BULARDA D. GEORGIAN –VALENTIN	Nr. 18/28.07.2017
5	1.10.2013	DĂNILĂ N. MIHAIL – NICOLAE	Nr. 19/28.07.2017
6	3.10.2016	VRABII L. ION (R. Moldova)	Nr. 20/28.07.2017
7	1.10.2011	PRICOP C. MIHAI	Nr. 51/04.02.2018
8	1.10.2013	PRODAN A.I. ANA-MARIA	Nr. 52/04.02.2018

9	1.10.2014	STAVARACHE I. IOAN –EMANUEL	Nr. 53/04.02.2018
10	1.10.2015	ALBINĂ C. BOGDAN	Nr. 54/04.02.2018
11	1.10.2015	COGIANU G. DANIEL	Nr. 55/04.02.2018
12	1.10.2012	CHIRAP I. IONUȚ	Nr. 46/20.11.2019
13	1.10.2012	HRIB M. ANDREI	Nr. 47/20.11.2019
14	1.10.2012	ROTARU ADINA-SIMONA, căs. BÎRGĂOANU	Nr. 48/20.11.2019
15	1.10.2012	STEIGMAN A.C. ROZINA	Nr. 49/20.11.2019
16	1.10.2014	GRECEA J. CONSTANTIN	Nr. 50/20.11.2019
17	1.10.2016	DINU N. RADU-CODRIN	Nr. 51/20.11.2019
18	1.10.2016	NEDELCU M.C. OVIDIU-MIHAI	Nr. 52/20.11.2019

2.7.Research centers / laboratories

Within Doctoral School of Phyiscs, the scientific research is carried out within an administrative-organizational structure based on the Research Centers and Research Groups that function within the faculty, within the integrated platforms organized at the UAIC level.

Research Centers are as follows:

- Excellency Center CARPATH- Center for Applied Research in Physics and Advanced TecHnologies (accredited by CNCSIS as a center of excellence at 2.09.2006), Director: Prof.univ. dr. Alexandru Stancu,
- Center for advanced experimental and theoretical research in condensed matter physics de cercetari avansate experimentale si teoretice in fizica materiei condensate (Coordinator: Prof.univ. dr. Felicia Dacia IACOMI)
- Iasi Plasma Advanced Research Center-IPARC (Coordinator: Prof.univ. dr. habil. Lucel SIRGHI)
- Center for Advanced Research in Life Science and Nanosciences (Coordinator: Prof.univ. dr. Tudor LUCHIAN)

The faculty research groups are as follows:

- Research group - Magnetism-Modeling
- Research group on complex systems, self-organization, spectroscopy and lasers
- Research group in molecular biophysics and medical phyiscs
- Research group in physical electronics and microwaves
- Research group in the physics of dielectrics, ferroelectrics and multiferroics
- Research group in condensed matter physics and advanced functional applications
- Research group in theoretical physics

The integrated platform for advanced studies in molecular nanotechnologies (AMON) is a complex structure attended by teachers, postdoctoral reserachers, master students, PhD students, and technicians from Faculty of Physics in collaboration with the Faculty of Chemistry, Biology and Informatics. The platform concentrates human and material resourses to carry out training and interdisciplinary research activities at the international level in several current topics in science, especially in the field of nanotechnologies, down to molecular level.

The research activities are carried out by teachers, researchers, PhD students and students in laboratories of the faculty, as well as in specialized laboratories of research institutes and universities in the country and abroad with which collaboration contracts or research grants have been concluded. Also, there are numerous interdisciplinary collaborations, with different teams from other faculties of UAIC.

The scientific research strategy is proposed and discussed periodically at the faculty management and in the scientific research commission at the university senate, so as to ensure a correct framing of the work teams in priority topics at national and international level, in accordance with the possibilities of work of the respective teams. The planning was done so as to take into account the continuity of activities, but also the priorities at national and international level, with the possibility of accessing some priority topics at European level (within H2020). At the same time, the aim is to achieve the proposed objectives, through the periodic reports in the research teams and through the annual reports requested by the university management, in order to compile the reports to the MEN. The council bureau makes an annual internal evaluation of the research activity based on criteria and criteria accepted by the vote of the faculty council and known by all faculty members.

2.8. Main scientific achievement

The financing of the scientific research activity is ensured mostly through grants and research projects concluded with national and international institutes, but also by the university from budgetary and self-financing sources. We present breafly in the following table the dynamics of the grants obtained by the teachers from our faculty in the last years.

Year	**Total budget (lei)**
2012	6.382.080
2013	3.683.440
2014	4.317.400
2015	3.372.737
2016	3.666.463
2017	5.474.939
2018	2.728.042
2019	3.485.049
2020	2.212.511
TOTAL	**35.322.661**

The results of scientific research have been published in books and articles in international journals, by scientific communications at international and national conferences, by defences of PhD thesis. Below is the situation of the articles published in ISI listed journals:

Year	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**
Number of ISI articles	119	104	126	134	219	207	231	182

It is also worth mentionating that there are a large number of citations of articles published by us in ISI-listed international:

Year	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**
ISI number citations	1972	2123	2288	2307	2631	3899	4906	5300

The Faculty of Physics publishes two scientific journals:
Facultatea de Fizica editeaza doua reviste stiintifice:

- Journal of Advanced Research in Physics (ISSN (printed): 2067-0451, ISSN (online): 2069-7201), https://stoner.phys.uaic.ro/jarp/index.php?journal=jarp
- Scientific journal "V. Adamachi" of Alexandru Ioan Cuza University from Iasi, Serie noua (tip D).(ISSN (printed): 1221-9363).

The Faculty of Physics has organized in recent years numerous scientific events nationally and internationally, scientific conferences and symposia, conferences of students, summer schools in partnership with other universities.

Year	**Conferences**		
	Internationals	**Nationals**	**Local**
2012	2	1	1
2013	-	1	1
2014	1	1	1
2015	2	1	1
2016	-	1	1
2017	1	1	1
2018	1	1	1
2019	-	1	1
2020	-	-	1

All these scientific events were attended by PhD students both as co-authors and as organizers. Through the works presented at these conferences, the results obtained by the research teams from the universities and research-development institutions from Iasi are valorificated. A large number of guests at the conference come from universities in the country and aboard with which our teams already have ongoing collaborative activities.

3. FUNCTIONING OF THE INTERNAL QUALITY ASSURANCE SYSTEM AT THE LEVEL OF THE DOCTORAL SCHOOL OF PHYSICS

3.1.Objectives and general structure of the internal quality assurance system

Through quality management, the UAIC aims to ensure and improve the quality of all processes and structures involved in the realization of products and services offered by the University. This involves systematic planning, assurance, control and quality improvement. All major activities and actions carried out at the University are regulated by a series of official documents (laws, codes, regulations, methodologies, procedures), which are made public and are brought to the attention of employees.

At the central level there is the Commission for Quality Management and the Office of Quality Management. The Commission for Academic Quality Management (CMCA) is organized and operates in accordance with the provisions of the National Education Law and of Law no. 87/2006 for the approval of GEO no. 75/2005 and based on its own Regulation on organization and functioning. The CMC is subordinated to the Board of Directors and is coordinated by a chairman, appointed according to the CMCA Regulation.

The Quality Management Bureau (BMC) carries out the execution activities in the field of quality management, under the coordination of the Commission for Quality Management, with the support of other competent departments. The structure and duties of the BMC staff shall be proposed by the Chair of the Commission and approved by the Management Board. The Office supports the Quality Management Commission in carrying out quality management, by planning actions, preparing self-assessment reports and specific quality assurance documents, training staff on quality assurance, conducting internal and external evaluations.

At the level of the faculties, of the Doctoral Schools and of the UAIC Interdisciplinary Research Institute, the Commissions for Evaluation and Quality Assurance (CEAC) were set up. The constitution of these Commissions belongs to the competence of the management of the faculties, departments and Doctoral Schools, and their approval is made by the Board of Directors. The CEACs are subordinated to the Commission for Academic Quality Management.

According to the Regulations of the Doctoral School of Philological Studies, it is organized within the Faculty of Physics UAIC and operates within IOSUD-UAIC.

SD operates in accordance with the following national and internal regulations:

- National Education Law
- Code of Doctoral Studies
- UAIC Charter and Code of Ethics
- UAIC organization and operation regulations
- Regulations for the organization and operation of doctoral studies
- Regulations of the Faculty of Physics
- The regulation of organization and functioning of the Doctoral School of Physics

By applying the regulations established by them, the Doctoral School of Physics aims to promote procedures and principles that guarantee the quality of the organization and development of doctoral study programs.

3.2.Quality assurance policies

Institutional practices and policies in the field of quality have been adapted to the requirements specified in the Methodology on quality assurance, provisional operation authorization and accreditation of study programs and higher education institutions, carried out by ARACIS, which embodies the provisions of Government Emergency Ordinance no. 75/2005 on quality assurance of education and Law no. 87/2006, with subsequent amendments.

At UAIC there is a program of quality-focused policies, specifying the means of implementation summarized and presented in the Quality Manual.

The members of the Commission for Academic Quality Management, in collaboration with the members of the Quality Management Bureau, elaborated:

- The procedure regarding the elaboration of the documented procedure that establishes the way of initiation, elaboration, endorsement, approval, as well as the content, format, revision and archiving of any documented procedure by activities, used within the quality management system and internal control system / managerial UAIC.
  The system procedure regarding the initiation, elaboration, approval, dissemination, withdrawal and archiving of documented information (code, guide, regulation, methodology, or other documents assimilated to the Quality Management System) within the "Alexandru Ioan Cuza" University of Iași, which establishes the manner and responsibilities regarding the initiation, elaboration, elaboration, approval, dissemination, withdrawal and archiving of codes, guides, regulations, methodologies, as well as other documents assimilated to the Quality Management System at the University level.

The evaluation and quality assurance policies are designed at University level through the Strategic and Operational Plan. At the level of each faculty, the Operational Plans are elaborated, the indicators being in agreement with the Strategic and the operational Plan of the UAIC.

The regulation of organization and functioning of doctoral university studies regulates, among others:

• the process of organizing and conducting doctoral study programs

• evaluation of doctoral university study programs, the activity of doctoral students and doctoral supervisors.

The operational procedure regarding the evaluation and internal monitoring of the doctoral school in UAIC establishes the working method regarding the internal evaluation process of SD and the fields of doctoral studies, the parties involved (doctoral school director, doctoral school council, Quality Management Office, CSUD Director, CSUD), their responsibilities and schedule of activities. The regulation for the recruitment, evaluation and promotion of teaching and research staff establishes the way for the evaluation of teaching and research staff. The evaluation of the activity of the teaching and scientific research staff is done annually, according to the evaluation form, the content of which is approved by the decision of the University Senate; the evaluation criteria and performance standards are public.

The annual evaluation form correlated with the job description of the respective position is completed by awarding a score from 1 to 100 and includes the following 4 chapters:

- ✓ Evaluation of professional and scientific research contributions (self-evaluation form certified by the head of department)
- ✓ Evaluation of students' teaching and counseling performance (performed by students based on a questionnaire, annex 2 of the regulation)
- ✓ Evaluation of the degree of fulfillment of the didactic obligations and of the observance of the provisions of the Charter regarding the prestige and interests of the University and of the university academic community (carried out by the head of department)

- ✓ Evaluation of the degree of fulfillment of specific objectives established in accordance with the mission and objectives of the University, faculty or department (performed by the function or hierarchically superior body).

Thus, the evaluation of the teaching staff's performance on the didactic and research dimension is ensured, both by the university management and by the students.

The evaluation takes place implicitly at the time of the promotions, by involving the department colleagues in the competition commissions. The explicit form of involving colleagues in providing feedback on the ways of carrying out the teaching activity is achieved through the inter-assistance program, established every six months at the level of the Departments.

3.3.Stakeholder participation in the quality assurance process

The members of the Doctoral Studies Council, the director of the doctoral school, the members of the doctoral school council, the doctoral supervisors, the doctoral students and the employers are directly involved in the process of implementing the quality assurance policies.

In this sense, the Regulation on the organization and functioning of doctoral university studies establishes:

- ✓ The structure and organization of doctoral university studies
- ✓ Responsibilities of the Council for doctoral studies (CSUD)
- ✓ The functioning of a doctoral school in UAIC
- ✓ Responsibilities of the Doctoral School Director and the Doctoral School Council
- ✓ The rights and obligations of doctoral students
- ✓ The rights and obligations of doctoral supervisors
- ✓ The rules regarding the selection and admission to the doctoral study programs
- ✓ Rules regarding the elaboration of the doctoral thesis
- ✓ Procedures regarding the defense of the doctoral thesis
- ✓ Procedures regarding the evaluation of the research activity of the doctoral student.

. Doctoral students provide feedback on the quality of the doctoral process (Annex 3). An annual meeting of doctoral coordinators is organized annually, to discuss curricula and other issues relevant to the doctoral process. Scientific seminars are organized with the participation of first-rate experts to give courses / lectures for doctoral students (Annex 4).

At the time of presenting the doctoral thesis, the majority of SDF doctoral students meet, some even far exceeding the standards imposed by the Physics Commission within CNATDCU. The emphasis is on publishing scientific results in the Web of Science with an impact factor. PhD students have joint publications with the doctoral supervisor and the members of the guidance committees (see also point B.2.1.4.)

There are agreements concluded between the Faculty of Physics and research institutes in which doctoral students can make complementary experimental measurements (National Research and Development Institute for Physics and Nuclear Engineering "Horia Hulubei" (IFIN-HH) Petru Poni Institute - Iasi, Institute of Technical Physics (IFT) -Iasi, Regional Institute of Oncology -Iasi) (Annex 1)

3.4.Quality assurance system and university management

Through its actions regarding quality assurance, UAIC aims to meet the continuously evolving expectations of stakeholders regarding the need and usefulness of the services offered by the University. The development of policies and practices regarding the quality assurance of the services provided is a key vector of the UAIC's evolution towards its institutional development goals.

The Rector of the University, together with the team of vice-rectors, formulates the quality policy and establishes the institution's strategy in the field of quality. They are submitted for approval to the Senate and the Board of Directors, depending on their respective competencies.

The Vice-Rector appointed as responsible for the Quality Management System is the coordinator of the Quality Management System, the Quality Management Commission and the Quality Management Bureau.

The organizational structures that ensure quality management in UAIC - the Commission for Academic Quality Management, the Evaluation and Quality Assurance Commissions at the level of structures, the Quality Management Office - have well-defined responsibilities and regulated by internal regulations, methodologies and procedures.

Every year, the Doctoral Schools make an annual activity report, also sent to CSUD, and to the pro-rector with attributions in the field of doctoral studies. A centralized report is presented to the profile Commissions of the UAIC Senate (Commission for master's and doctoral studies, respectively the Quality Assurance Commission), then it is approved in the Senate Meeting. This procedure ensures a good connection between the actors involved in ensuring the quality of the doctoral process. Thus, within SDF, an internal monitoring of the quality of both doctoral students and implicitly of doctoral supervisors was performed (Annex 5), a detailed monitoring, being done during this period of 5 years in December 2016 (http://www.phys.uaic.ro/index.php/scoala-doctorala/raport-autoevaluare/raport-autoevaluare-2011-2016/) as a result of the issuance of an order by Minister Mircea Radu, regarding the evaluation of doctoral schools, but also 2 years ago, 2019, when the SDF self-assessment file was sent to ARACIS.

3.5.Transparency and access to information

Information regarding doctoral students, the educational process, research results, etc., are available for internal and external stakeholders, on the SDF website.

The SDF aims to improve the quality of Romanian research in the field of Physics, by promoting topics of real, wide and current interest. Also, the extension of cooperation relations with other doctoral schools in the country and abroad in terms of: scientific information, dissemination and valorization activities, materialized in the organization of scientific sessions, workshops, symposia, mobilities and visits of experts are initiated. , which encourages the exchange of experience and cooperation, national and international co-operation, etc. Indicator C.3.1.2 gives a list of first-rate experts who have given courses / lectures for doctoral students during this period (Annex 4, Annex 6)

3.6.Efficiency of internal quality assurance procedures and structures

The University's management continuously aims to improve the effectiveness and efficiency of the processes, both through preventive measures and following the appearance of problems that indicate the needs or opportunities for improvement. The process of improvement is driven by changes in quality objectives as a result of changes in stakeholder requirements, or by a complete failure to address issues for which corrective action has already been taken. Teachers, researchers, departments

and faculties are encouraged to constantly focus on improving the activities they carry out. Improvement activities are part of the responsibilities of people who have leadership positions or who are directly involved in the implementation and development of the SMC.

A key role in making improvements is the regular evaluation of study programs, in order to accredit / evaluate. This periodic quality analysis implicitly triggers self-analyzes, which lead to improved efficiency of all processes carried out in the study programs subject to evaluation. The planning of the programs / domains that will be subjected to the periodic external evaluation is done annually, based on the requests received from the faculties. The didactic protectorate elaborates the list of study programs that will be subject to evaluation for accreditation / periodic evaluation, a list that is approved by the Senate.

Also, the Operational Procedure regarding the evaluation and internal monitoring of the doctoral schools within the "Alexandru Ioan Cuza" University of Iași is also applied at SDF level. In addition, SDF conducted its own satisfaction surveys (Annex 5).

3.7.Internal quality assurance system - a tool for improving education and other activities

The university has a hierarchical organizational structure, with well-defined responsibilities at the level of each entity. The UAIC management periodically identifies the activities and processes carried out at the level of entities, their succession and interaction, analyzes them in order to identify possibilities to improve the quality management system, so that the services offered by the University meet the requirements of stakeholders (internal and external).

The regular updating of specific regulations and procedures, as well as the development of new regulations and procedures, in line with the entire national legal framework, demonstrates the concern for the continuous development of the internal quality assurance system.

The use of the information produced by the internal quality assurance system allowed the restructuring and improvement of the activities within SDF (curriculum, choice of experts to hold seminars, etc.).

3.8.Monitoring, evaluation and continuous development of the internal quality assurance system

Management processes (institutional, strategic and coordination processes), basic processes (processes for providing educational services, research and direct satisfaction of stakeholder requirements) and support (administrative, financial, procurement, etc.) are planned, monitored and evaluated annually. The management team of the University elaborates the Strategic Plan and the annual Operational Plan in which the objectives associated to the three categories of processes are defined - management, basic, support.

At the IOSUD level, the Operational Procedure regarding the evaluation and internal monitoring of the doctoral schools within the "Alexandru Ioan Cuza" University of Iași (Procedura-privind-evaluarea-si-monitorizarea-interna-a-scolilor-doctorale-din-UAIC.pdf) was approved. It establishes the way of internal evaluation of the doctoral schools and of the fields of doctoral university studies in order to accredit and periodically evaluate them. The application of the procedure is materialized in the form of periodic reports made at the level of the Doctoral School.

The Institutional Regulation for the organization and functioning of doctoral university studies establishes internal quality assurance policies (Regulamentul-institutional-de-organizare-si-functionare-a-studiilor-universitare-de-doctorat_apr-2020.pdf (uaic.ro)) that apply to all doctoral schools in UAIC.

Questionnaires for evaluating the satisfaction of doctoral students, the system of recognized credits, etc. they are constantly adapted and improved. (Annex 3; Annex 7; Annex 5;

SDF Regulations: https://www.phys.uaic.ro/index.php/scoala-doctorala/regulamente-scoala-doctorala- physics /)

4. SELF-ASSESSMENT OF PERFORMANCE OF CRITERIA, STANDARDS AND PERFORMANCE INDICATORS

4.1.INSTITUTIONAL CAPACITY

4.1.1.Institutional, administrative, managerial structures and financial resources

(Standard A1.1.) The institution organizing doctoral studies (IOSUD) has implemented the efficient functioning mechanisms provided in the specific legislation on the organization of doctoral studies. (Indicator A.1.1.1. SD accreditation and doctoral fields) Existence of specific regulations and their application at IOSUD level, respectively of the doctoral school, internal regulations of the administrative structures (institutional regulations for the organization and development of doctoral university studies, regulations for doctoral schools);

At the level of IOSUD - "Alexandru Ioan Cuza" University of Iasi, so also within the Doctoral School of Physics, including for the PHYSICS field, according to the legal provisions in force, doctoral studies are carried out on its own rules, adopted by the Senate of the University "Alexandru Ioan Cuza ”from Iasi.
Thus, for the evaluated period, at the level of IOSUD-UAIC the following regulations were applied:

- The institutional regulation for the organization and functioning of the doctoral university studies adopted in the meeting of the Senate of the “Alexandru Ioan Cuza” University of Iasi from 25.04.2013 - valid for the period 2013-2017 (Annex 8);
- The institutional regulation for the organization and functioning of the doctoral university studies adopted in the meeting of the Senate of the “Alexandru Ioan Cuza” University of Iasi from 27.06.2017 - valid for the academic year 2017-2018 (Annex 8);
- The institutional regulation for the organization and functioning of the doctoral university studies adopted in the meeting of the Senate of the „Alexandru Ioan Cuza” University of Iasi from 28.06.2018 - starting with the academic year 2018-2019 http://www.phys.uaic.ro/wp/scoala-doctorala/regulamente-scoala-doctorala-fizica/regulament-institutional-studii-universitare-doctorat-2018.pdf
- The institutional regulation for the organization and functioning of the doctoral university studies adopted in the meeting of the Senate of the “Alexandru Ioan Cuza” University of Iasi from 30.04.2020 - starting with the academic year 2020-2021https://www.phys.uaic.ro/wp/scoala-doctorala/regulamente-scoala-doctorala-fizica/regulament-institutional-studii-universitare-doctorat-2020.pdf

The activity of the Doctoral School of Physics (SDF) is carried out on the basis of its own regulations, these being, corresponding to the evaluated period:

- The regulation regarding the development of doctoral studies at SDF, approved by the Council of Doctoral Studies IOSUD-UAIC in the meeting of 18.07.2013 https://www.phys.uaic.ro/wp/scoala-doctorala/regulamente-scoala-doctorala-fizica/regulament-studii-doctorat-scoala-doctorala-fizica-iasi-2013.pdf
- The regulation regarding the development of the activities at SDF, approved by the IOSUD-UAIC Doctoral University Council in the meeting of 07.03.2018. http://www.phys.uaic.ro/wp/scoala-doctorala/regulamente-scoala-doctorala-fizica/regulament-studii-doctorat-scoala-doctorala-fizica-iasi.pdf). It should be mentioned that it was completed with the ANNEX which includes detailed criteria regarding the granting of SDF membership, (in the elaboration of the annex all SDF members were consulted, the majority agreeing) approved in the CSUD meeting of 29.05.2019 https://www.phys.uaic.ro/wp/scoala-doctorala/regulamente-scoala-doctorala-fizica/anexa-regulament-func%C8%9Bionare-scoala-doctorala-fizic%C4%83-articole-4-10.pdf

b) Methodology for conducting elections at the level of CSUD, doctoral school and evidence of their conduct

For the evaluated period, at the level of IOSUD-UAIC, two election procedures were carried out at the level of CSUD and of the doctoral schools: 2016 and 2020.
Thus, in the meeting of 28.04.2016, the Senate of the "Alexandru Ioan Cuza" University of Iasi adopted the Methodology for organizing the elections and appointing the members of the Doctoral Studies Council (CSUD) from IOSUD-UAIC and the CSUD members' election calendar: (Annex 9 -2016)

Thus, on the section dedicated to the 2016 elections on the website of the "Alexandru Ioan Cuza" University of Iasi, evidence is published on their conduct according to the specific methodology and legal provisions, as follows (http://www.uaic.ro/ elections-2016/ and Annex 9 -2016:

- ✓ List of voters teaching staff - CSUD;
- ✓ List of student-doctoral voters - CSUD;
- ✓ Minutes on the voting results for doctoral supervisors - CSUD;
- ✓ Minutes on the voting results for doctoral students - CSUD.

Following the election procedure, the following CSUD members were elected:

Doctoral supervisors:

- ✓ prof.univ.dr. Dan CRISTEA - Doctoral School of Informatics, "Alexandru Ioan Cuza" University of Iasi;
- ✓ prof.univ.dr. Diana Mihaela MARDARE - Doctoral School of Physics, "Alexandru Ioan Cuza" University of Iasi;
- ✓ prof.univ.dr. Gheorghe ROMANESCU - Doctoral School of Chemistry and Life and Earth Sciences, "Alexandru Ioan Cuza" University of Iasi;
- ✓ Prof. Univ.dr. Lucretiu-Ion BIRLIBA - Doctoral School of History, "Alexandru Ioan Cuza" University of Iasi;
- ✓ prof.univ.dr. Adriana ZAIT - Doctoral School of Economics and Business Administration, "Alexandru Ioan Cuza" University of Iasi.
- ✓ PhD students:
- ✓ Delia Elena RUSU - doctoral student, Doctoral School of Philosophy and Social-Political Sciences, „Alexandru Ioan Cuza" University of Iasi;

- ✓ Silviu DORU - doctoral student, Doctoral School of Chemistry and Life and Earth Sciences, "Alexandru Ioan Cuza" University of Iasi.

To these were added the appointed members, as follows:

Internationally recognized scientific personalities:

- ✓ Academician Viorel BARBU - „Alexandru Ioan Cuza” University of Iasi;
- ✓ Academician Bogdan SIMIONESCU - Institute of Macromolecular Chemistry "Petru Poni" Iasi;
- ✓ Academician Dorin IESAN - „Alexandru Ioan Cuza” University of Iasi;
- ✓ Academician Victor SPINEI - „Alexandru Ioan Cuza” University of Iasi;
- ✓ prof.univ.dr. Ioan TOMESCU - Corresponding Member of the Romanian Academy, University of Bucharest.

Doctoral supervisors:

- ✓ prof.univ.dr. Carmen Tamara UNGUREANU - Doctoral School of Law, "Alexandru Ioan Cuza" University of Iasi;
- ✓ prof.univ.dr. Stefan AFLOROAEI - Doctoral School of Philosophy and Social-Political Sciences, "Alexandru Ioan Cuza" University of Iasi.
- ✓ PhD students:
- ✓ Vladut Bogdan BRANZA - doctoral student, Doctoral School of Orthodox Theology, "Alexandru Ioan Cuza" University of Iasi;
- ✓ Anda OLARU - PhD student, Doctoral School of Chemistry and Life and Earth Sciences, "Alexandru Ioan Cuza" University of Iasi.

Currently, there are three new members in the CSUD component, as a result of the vacancy of three places (Annex 9 -2018). Based on the finding of the vacancy of these three places, Mrs. prof.univ.dr. Lacramioara PETRESCU - Doctoral School of Philological Studies, "Alexandru Ioan Cuza" University of Iasi, replaced Mr. prof.univ.dr. Gheorghe ROMANESCU - Doctoral School of Chemistry and Life and Earth Sciences, "Alexandru Ioan Cuza" University of Iasi, and doctoral student Tudor Mugurel AURSULESEI - doctoral student, Doctoral School of Economics and Business Administration, "Alexandru Ioan Cuza" University of Iasi, he was appointed in place of Anda OLARU - doctoral student, Doctoral School of Chemistry and Life and Earth Sciences, "Alexandru Ioan Cuza" University of Iasi. Also, the procedure for electing a representative of the doctoral students from the “Alexandru Ioan Cuza” University of Iasi was started, the documents proving its development being presented in Annex 9 -2018:

CSUD election calendar - doctoral students;

• Minutes of CSUD elections for doctoral students - round I and round II;

• Minutes of the CSUD elections for doctoral students - round III;

• Decision of the Senate of the „Alexandru Ioan Cuza” University of Iasi no. 21 of 13.12. 2018 for the validation of the new representative of doctoral students within CSUD.

Thus, Valeriu-Bogdan PREDA was chosen - doctoral student, Doctoral School of History, "Alexandru Ioan Cuza" University of Iasi, to replace within CSUD Silviu DORU - doctoral student, Doctoral School of Chemistry and Life and Earth Sciences , "Alexandru Ioan Cuza" University of Iasi.

The management of the Doctoral School of Physics is ensured by a Director and a Council of the Doctoral School, elected by the General Assembly of doctoral supervisors, respectively by doctoral students working in it, the results of these procedures being validated by the Senate of "Alexandru

Ioan Cuza" University from Iasi by Decision no. 3 of 27.07.2017 (Annex 9 -2017):

- ✓ prof. univ.dr. Diana Mihaela MARDARE - Director of the SDF;
- ✓ C.S.I Dr. Mariana PINTEALA - Institute of Macromolecular Chemistry Petru Poni Iasi - CSD member;
- ✓ C.S.I Dr. Nicoleta LUPU - National Research-Development Institute for Technical Physics-IFT Iasi - CSD member;
- ✓ Prof. Dr. habil. Laurentiu STOLERIU - Alexandru Ioan Cuza University of Iasi - CSD member;
- ✓ Drd. Alexandra BESLEAGA - CSD member;

The documents related to the elections of doctoral students in CSD / CSUD are given in Annex 10. Thus, in the General Assembly of doctoral students from SDF was elected as representative in CSD, drd Alexandra BESLEAGA (Annex 10), this being validated by the Senate of the “Alexandru Ioan Cuza” University of Iasi by Decision no. 3 of 27.07.2017. Dr. Flavian Zacretchi was replaced – he was part of the CSD, and who had been elected to the CSUD on 29.13.2013 (Annex 10).
For the 2020 election session, in the meeting of 11.06.2020, the Senate of the “Alexandru Ioan Cuza” University of Iași adopted the Methodology for organizing the elections and appointing the members of the Doctoral Studies Council (CSUD) Metodologia-de-organizare-a-alegerilor-si-desemnare-a-membrilor-CSUD1.pdf (uaic.ro) from IOSUD-UAIC and CSUD member election calendar. In the section dedicated to the 2020 elections, the following information can be accessed:

- ✓ List of candidates proposed to be part of the CSUD https://www.uaic.ro/wp-content/uploads/2020/07/Calendar-alegeri-CSUD-2020-1.pdf
- ✓ The results of the election vote of the members of CSUD UAIC Alegeri 2019 - 2020 - Universitatea „Alexandru Ioan Cuza” din Iași (uaic.ro)

c) Methodologies for organizing and conducting doctoral studies (for admitting doctoral students, for completing doctoral studies)

The admittion exams for doctoral studies were carried out every year (Annex 11), based on its own methodology:

- ✓ The methodology regarding the organization and development of the admission in the cycle of doctoral studies for the academic year 2014-2015, approved by the Decision of the Senate of the “Alexandru Ioan Cuza” University of Iasi no. 1 from 27.02.2014
- ✓ The methodology regarding the organization and development of the admission in the cycle of doctoral studies for the academic year 2015-2016, approved by the Decision of the Senate of the “Alexandru Ioan Cuza” University of Iasi no. 3 from 27.03.2015
- ✓ The methodology regarding the organization and development of the admission in the cycle of doctoral studies for the academic year 2016-2017, approved by the Decision of the Senate of the “Alexandru Ioan Cuza” University of Iasi no. 10 from 31.03.2016
- ✓ The methodology regarding the organization and development of the admission in the cycle of doctoral studies for the academic year 2017-2018, approved in the meeting of the Senate of the “Alexandru Ioan Cuza” University of Iasi from 26.01.2017
- ✓ The methodology regarding the organization and development of the admission in the cycle of doctoral studies for the academic year 2018-2019, approved by the Decision of the Senate of the “Alexandru Ioan Cuza” University of Iasi no. 5 din 25.01.2018 - http://www.uaic.ro/wp-

content/uploads/2018/05/Metodologie-admitere-doctorat_2018.pdf
- ✓ Decision of the Senate of the „Alexandru Ioan Cuza” University of Iași no. 13 of 14.02.2019 metodologie_admitere_doctorat_sept_2019.pdf (uaic.ro)
- ✓ The methodology regarding the organization and development of the admission in the cycle of doctoral studies for the academic year 2021-2022, approved on February 11, 2021, by the Decision of the Senate of the “Alexandru Ioan Cuza” University of Iasi number 22. Metodologia-de-admitere-la-doctorat-2021-2022-1.pdf (uaic.ro)

The methodology for completing the studies is included in the Institutional Regulation for the organization and functioning of the doctoral university studies - Chapter IV - Carrying out the doctoral university studies (https://www.phys.uaic.ro/index.php/scoala-doctorala/regulamente-scoala-doctorala-fizica/regulament-studii-doctorat-scoala-doctorala-fizica-iasi/)

d) Existence of mechanisms for the recognition of the quality of doctoral supervisor and for the equivalence of doctorates obtained in other states

At the level of the "Alexandru Ioan Cuza" University of Iasi, specific mechanisms have been adopted and applied for the recognition of the quality of doctoral supervisor and for the equivalence of the doctorate obtained with other states, as follows:

• The system procedure regarding the automatic recognition by the “Alexandru Ioan Cuza” University of Iasi of the quality of doctoral supervisor obtained in foreign accredited university educational institutions no. 1423 of 31.01.2017 (Annex 12);

• The system procedure regarding the recognition by the “Alexandru Ioan Cuza” University of the doctoral diploma and of the doctoral title in sciences or in a professional field obtained in university institutions accredited from abroad no. 1422 of 31.01.2017 (Annex 12, http://www.uaic.ro/wp-content/uploads/2014/02/PROCEDURA-Recunoastere-diploma-de-doctor.pdf).

e) Functional management structures at CSUD / CSD level, proving also the regularity of convening meetings [IOSUD / CSUD / Doctoral School Council (regularity of convening meetings)

Within IOSUD - „Alexandru Ioan Cuza” University of Iasi there are functional management structures at all levels, these exercising their attributions in accordance with the legal provisions in force and the internal regulations, such as:

- ✓ The regulation of organization and functioning of the University Senate (art. 8, paragraph (6) - regularity of convening meetings), approved in the meeting of the Senate of the University "Alexandru Ioan Cuza" from Iasi on 30.06.2016 and revised in the meeting of the Senate of the University "Alexandru Ioan Cuza ”from Iasi from 27.07.2017 (Annex 13.);
- ✓ Regulations for the organization and functioning of the Board of Directors of the “Alexandru Ioan Cuza” University of Iasi (Chapter II, art. 4 - regularity of convening meetings) (Annex 13);
- ✓ Operational procedure for organizing meetings and adopting the decisions of the Executive Bureau of the Board of Directors (point 8.1.2. - regularity of convening meetings) (Annex 13).
- ✓ The following documents are given in Annex 13.:
- ✓ Regulation of organization and functioning of the University Senate (art. 8, paragraph (6) - regularity of convening meetings)

- ✓ Regulation of organization and functioning of the Board of Directors (Chapter II, art. 4 - regularity of convening meetings)
- ✓ Operational procedure OVERVIEW (point 8.1.2. - regularity of convening meetings)
- ✓ Also, in the CSUD director (Annex 13) are presented evidences of the regularity of the CSUD meetings.

CSD meetings are held regularly, according to the documents in Annex 7 and the minutes book. In addition, for efficiency, certain decisions, such as expulsions, or the agreement for public support commissions were voted in the CSD through agreements given by email, an example being given in the Annex 7, e.g. CSD commission approval.

f) Doctoral university contract

According to the legal provisions, between IOSUD - "Alexandru Ioan Cuza" University of Iasi and each doctoral student enrolled at this higher education institution, a doctoral university contract is concluded, its format being updated every year (Annex 14). For the academic year 2018-2019, it is completed with an additional act aiming at the application of the CNATDCU minimum standards for granting the doctoral title.

g) Internal procedures for analysis and approval of proposals on the subject of training programs based on advanced university studies. Internal procedures for analysis and approval of proposals on the topic of doctoral university study programs

The topic of the courses within PPUA, as well as the content of the reports within the individual scientific research programs of the doctoral students are discussed annually during the CSD meetings, but also separately, with the doctoral supervisors (Annex 7, minutes book). The content of the subject sheets is discussed, the course titles to better reflect the content of the subjects. The aim is for the topics of the reports proposed by the doctoral supervisors to be well formulated and to fit into the topics proposed for the doctoral theses.

(Indicator A.1.1.2. SD accreditation and doctoral fields) The doctoral school regulations include criteria, procedures and mandatory standards for the aspects specified in art. 17 para. (5) of the Code of doctoral studies, approved by Government Decision no. 681/2011, as subsequently amended and supplemented.)

The Regulations of the Doctoral School of Physics (http://www.phys.uaic.ro/wp/scoala-doctorala/regulamente-scoala-doctorala-fizica/regulament-studii-doctorat-scoala-doctorala-fizica-iasi.pdf) provide mandatory criteria, procedures and standards for the aspects specified in art. 17 par. (5) of the Government Decision no. 681/2011 regarding the approval of the Code of doctoral studies, with the subsequent modifications and completions:

Code of doctoral studies 17(5):

(5) The regulations of the doctoral school establish obligatory criteria, procedures and standards aiming at least at the following aspects

a) the acceptance of new leading members of the doctorate, as well as regulations regarding the way in which the quality of member of the doctoral school can be withdrawn;

- Regulament SDF (2018)

Art. 10. (1) The quality of doctoral supervisor is acquired according to the legal norms. In order to conduct doctorates at UAIC, teachers and researchers who have acquired this right must have a

contractual relationship with IOSUD-UAIC and be members of a doctoral school in IOSUD-UAIC
(2) A doctoral supervisor may acquire the status of member of SFD-UAIC at his request, and following the simple majority of SDF-UAIC members. If the doctoral supervisor does not have an indefinite employment contract with UAIC, he must request the approval of a research group within the Faculty of Physics, a group that will ensure his access to the material base. The application will be approved by the CSD
(3) A doctoral supervisor may be revoked as a member of SDF-UAIC, in accordance with the legislation in force.

(4) A doctoral supervisor loses his / her membership of SDF-UAIC after reaching the age of 70 and completing the 3-year internship of all his / her doctoral students.

b) the mechanisms by which decisions are made regarding the opportunity, structure and content of the training program based on advanced university studies;

SDF Regulation (2018)
Art. 20. (1) The doctoral study programs include the training program based on advanced university studies (PPUA) and the scientific research program (PCS).
(2) The doctoral studies totalise 180 transferable study credits. Of these, 30 credits correspond to the PPUA, and 30 credits for each of the 3 annual reports.
Art. 21. (1) PPUA is taken place on the basis of the SDF-UAIC curriculum. It is developed by the CSD, together with the doctoral supervisors, and approved by the UAIC Senate.
(2) Within SDF-UAIC, PPUA contains a portfolio of specialized courses and a course on methodology and ethics of scientific research. The courses can be given by one or more specialist doctoral supervisors, members of SDF-UAIC or guests.
(3) PPUA takes place in the first semester of the first year of studies
(4) Credits obtained in a research master's program, or having completed previous doctoral internships and / or scientific research internships, carried out in the country or abroad, in universities or in prestigious research-development units may be recognized as equivalent to those in a training program based on advanced university studies. The equivalence is proposed by the doctoral supervisor and is approved by the CSD.
(5) In situations where, for good reasons, the doctoral student cannot participate in some courses in the first year, he can recover them in the second year, with the next series

c) the procedures for changing the doctoral supervisor of a certain doctoral student and the procedures for mediating conflicts

SDF Regulation (2018) Art. 13. (1) CSD decides to change the doctoral supervisor in the following conditions
a) The doctoral supervisor retires and does not want to continue the doctoral management activity;
b) at the request of the doctoral supervisor, motivated by the impossibility to continue the guidance activity of the doctoral student;
c) at the request of the director of SDF-UAIC, in case of finding the unavailability of the doctoral supervisor;
d) at the motivated request of the doctoral student, for reasons related to the guidance relationship

between the doctoral supervisor and the doctoral student, in which case the point of view of the doctoral supervisor will be heard and taken into account;
e) at the joint request of the doctoral student and the doctoral supervisor.
(2) The new doctoral supervisor can be proposed by the CSD or by the doctoral student, and must have demonstrable scientific activity in the subject of the doctoral thesis.
(3) The change of the doctoral supervisor can be approved by the CSUD director, only with the written consent of the new doctoral supervisor and the doctoral student.

d) the conditions under which the doctoral program may be interrupted;

SDF Regulation (2018)
Art.18. (3) Doctoral university studies may be interrupted at the request of the doctoral student for good reasons (maternity leave, parental leave, medical leave, force majeure, etc.). The duration of the doctoral studies will be extended with the cumulative periods of the approved interruptions. The interruptions are approved by the CSD with the approval of the doctoral supervisor.

e) ways to prevent fraud in scientific research, including plagiarism

SDF Regulation (2018)
Art. 6. (1) SDF-UAIC together with the doctoral supervisor have the obligation to inform the doctoral student about the scientific, professional and university ethics and to verify its observance, including the observance of the deontological provisions during the doctoral research and the observance of the deontological provisions. doctoral thesis.
(2) SDF-UAIC and IOSUD-UAIC shall take measures to prevent and sanction deviations from the norms of scientific, professional and university ethics, according to the Code of Ethics and Professional Ethics of the University.
(3) In case of possible academic frauds, violations of university ethics or deviations from good conduct in scientific research, including plagiarism, the doctoral student and / or the doctoral supervisor are / are liable under the law.
Art. 21. (2) Within SDF-UAIC, PPUA contains a portfolio of specialized courses and a course on methodology and ethics of scientific research
Art. 27. b) The doctoral school performs the analysis of similarities using a program recognized by CNATDCU; the doctoral school may request, in addition, the use of a program developed at national level on the detection of similarities; similarity reports are included in the doctoral file; the duration of the verification cannot exceed 30 days from the date of submitting the doctoral thesis to IOSUD; identification, at the time of the thesis evaluation by the doctoral supervisor or by the guidance committee, of violations of good conduct in research and development, including plagiarism of results or publications of other authors, preparation of results or replacement of results with fictitious data must be notified University Ethics Commission, for analysis. If the University Ethics Commission establishes the guilt of plagiarism, the doctoral student is expelled.
Art. 28. (1) If a member of the doctoral commission identifies in the evaluation of the thesis, both prior to the public defense, and within it, serious deviations from good conduct in scientific research and university activity, including plagiarism of the results or publications of other authors , making results or replacing the results with fictitious data, the member of the doctoral commission is obliged

to announce the doctoral supervisor, who will act in accordance with the institutional regulation.
Compliance with the scientific and university ethics
Art. 33. (1) The general norms of professional ethics and deontology in research, as well as the modalities of prevention and sanctioning of fraud in scientific research, including plagiarism, are presented to doctoral students in the special course dedicated to these issues within the PPUA. Informing the doctoral student about particular norms, specific to his / her research topic, is the responsibility of the doctoral supervisor.

f) Ensuring access to research resources

- SDF Regulation (2018)
Art. 9. (2) During the course of the doctoral studies cycle, the doctoral student has the right:

d) to benefit from the logistics, the documentation centers, the libraries and the equipments of the University for the elaboration of the research projects and of the doctoral thesis;

g) the attendance obligations of doctoral students, according to a methodology developed by the Ministry of Education, Research, Youth and Sports

- SDF Regulation (2018)
Art. 9. (2) (3) During the course of the doctoral university studies cycle, the doctoral student has the obligation:
a) to present research reports according to the individual training plan;
b) to respect the schedule established together with the doctoral supervisor;
c) to communicate permanently with the doctoral supervisor and the doctoral school;
d) to respect the institutional discipline;
e) to comply with the requirements of the PPUA.

Logistics resources

(Standard A1.2.) IOSUD has the logistical resources necessary to fulfill the mission of doctoral studies. (Indicator A1.2.1. SD accreditation and doctoral fields) Existence and effectiveness of an adequate computer system for the record of doctoral students and their academic path

Within IOSUD - UAIC there is implemented an adequate IT system for the record of PhD students and their academic career, called eSims and resulting from the implementation of the project Integrated IT system on the management of students' professional activities in the context of changes generated by the Bologna process, funded by the Ministry of Education and Research (Annex 15). It has been completed and permanently improved so far by the specialists employed within the Department of Statistics and Computerization of IOSUD-UAIC, in order to better meet the needs of the higher education institution.
According to the Project Completion Protocol (Annex 15), the computer system can be used by two categories of users: occasional users (students and teachers), who have access to individual data and

use the system then when they need information, and "professional" users, who use the application on a daily basis, to carry out student management activities (secretariat, databases, faculty and university management, etc.).
It should be noted that IOSUD-UAIC has been actively involved in the implementation of the Single Matriculation Register throughout the country, successfully promoting and finalizing two projects funded by CNFIS through the Institutional Development Fund to update the database and ensure its compatibility with structure and constraints. Single Enrollment Register:

- ✓ FDI project entitled Ensuring transparency in student management and implementation of the Single Matriculation Register of Romanian Universities within the "Alexandru Ioan Cuza" University of Iaşi, project code: CNFIS-FDI-2016-0021, 2016, project director: prof.univ .dr. Liviu-George MAHA;
- ✓ FDI project entitled Ensuring transparency in student management and implementation of the Single Matriculation Register of Romanian Universities within the "Alexandru Ioan Cuza" University of Iaşi, project code: CNFIS-FDI-2017-0084, 2017, project director: prof.univ .dr. Liviu-George MAHA.

(Indicator A1.2.2. SD accreditation and doctoral fields) Existence and use of a computer program and evidence of its use to verify the percentage of similarity in all doctoral theses)

"Alexandru Ioan Cuza" University of Iasi has shown a continuous concern for ensuring the resources necessary to verify the percentage of similarity for the papers prepared by students from all three cycles of university studies, so also in terms of doctoral theses (Annex 16). Thus, since 2006, within IOSUD-UAIC, the special module for this functionality was used within the e-learning platform Blackboard - SafeAssign, the "Alexandru Ioan Cuza" University of Iasi being among the first higher education institutions in Romania that they also invested in this direction the only public university that acquired this e-learning platform. The licenses to use this application were extended every year, by successive acquisition contracts (Annex 16), because, in 2018, with the decision to adopt another technical solution based on Moodle to ensure the e-learning platform for distance learning and part-time education, to purchase the Turnitin application (Annex 16). Thus, the access of all the teachers from the "Alexandru Ioan Cuza" University of Iasi is ensured, so also of the doctoral supervisors, as well as the possibility of the doctoral students to use a computer program to verify the percentage of similarity in the doctoral theses..

We present, in Annex 17, a proof of the use of the programs for verifying the similarity percentage in the case of doctoral student D. Babusca. The rest can be find on the national thesis evaluation platform CNATDCU, Physical Commission.

Financial resources

(Standard A.1.3. IOSUD ensures that financial resources are used optimally and that revenues from doctoral studies are supplemented by funding in addition to that provided by the Government)
(Field evaluation indicator A.1.3.1. Existence of at least one research or institutional development / human resources grant in implementation at the time of submission of the self-evaluation file for the analyzed university field of study analyzed or existence in the field of at least 2 research or institutional development / human resources by field of doctoral studies obtained by doctoral supervisors in the field evaluated in the last 5 years. Grants address topics relevant to that field and, as a rule, are carried out with the involvement of doctoral students)

***Research grants obtained by the doctoral supervisors in the field evaluated in the last 5 years*: 27 grants (**Annex 18)

Prof. habil. dr. Lucel Sirghi

1. CNCSIS grant type RO-FR 12/2014 SNON -oxinitruri pentru energie solara.(900.000 RON), director, Lucel Sirghi, derulat in perioada 6/01/2014 -5/06/2017.
2. CNCSIS, IDEI PN II, Grant no. 267/2011, PLASMA FUNCTIONALIZATION OF NANOSCOPIC PROBES (1.500.000 RON), derulat in perioada 5 oct. 2011- 4oct 2015.

Prof. dr. Marina Aura Dariescu

3.Director de GrantPN-III-P4-ID-PCE-2016-0131, Mathieu and Heun functions in quantum field dynamics (MHFQFD) Perioada: 2017-2019

Prof.dr. Tudor Luchian

4. Tehnologii moleculare emergente pe baza de sisteme micro- si nano-structurate cu aplicatii biomedicale (TehnoBioMed)' CCCDI – UEFISCDI, project number PN-III-P1-1.2-PCCDI-2017-0010 / 74PCCDI/2018, director T. Luchian **–IN DERULARE 2018-2021**
5.'Label-free, real-time detection platform of Hepatitis B Virus antigens with protein biosensors//Platformă integrată pentru detecția în timp real a antigenilor virusului hepatitei B, cu ajutorul biosenzorilor proteici', project number PN-III-P2-2.1-PED-2019-0016, PI-UAIC, ~ 60.000 euro*
6."Xeno nucleic acids-mediated, real-time multiplexed detection of disease relevant miRNAs, with single molecule sensitivity and selectivity // Detecția multiplex, cu sensibilitate și selectivitate moleculară, a unor miRNAs relevante fiziologic, cu ajutorul unor xeno acizi nucleici", PCE 2020, ~ 210.000 euro*
7.'Design and development of therapeutic AMP's against epidemic superbugs', Global Research Laboratory (NRF-2014K1A1A2064460; Republic of Korea), 2019-2020 (co-PI Conf. dr. Loredana Mereuta, Romania, ~ 190.000 USD*)

Prof. dr. habil. Creanga Dorina

8. JINR Cooperation Protocol 4403-4-15/17, Theme 04-4-1121-2015/2017, Investigations of Condensed Matter by Modern Neutron Scattering Methods, item 68, Silanized magnetic nanoparticles with potential utillization in environmental applications, responsabil UAIC Creanga Dorina
9. JINR Cooperation Protocol 4403-4-2015/2017 theme 04-4-1121-2015/2017 Investigations of Condensed Matter by Modern Neutron Scattering Methods, item 57, Metal based nanoparticles and some bioeffects, responsabil UAIC Creanga D.
10. JINR Cooperation Protocol 4403-4-15/17, Theme 04-4-1121-2015/2017, Investigations of Condensed Matter by Modern Neutron Scattering Methods, item 80 Gold nanoparticles in aqueous suspension for applications in environment sciences, responsabil UAIC Creanga D.
11. JINR Cooperation Protocol 4403-4-15/17, Theme 04-4-1121-2015/2017, Investigations of Condensed Matter by Modern Neutron Scattering Methods, item 79, Yielding of magnetic nanoparticles with various chemical composition and study of their bioeffects, responsabil UAIC Creanga Dorina

12.Protocol 4403-4-15/17, Theme 04-4-1121-2015/2017, Investigations of Condensed Matter by Modern Neutron Scattering Methods, item, 62, Multilayered nanoparticles with organic/inorganic composition and biological impact, responsabil UAIC Creanga D.
13. FARA DOVADA: Theme 04-4-1121-2015/2020, IUCN Dubna, New nanocomposite layers and thin films based on graphene and polymers for hybrid solar cells and medical applications, poz. 85 IUCN no. 322/21.05.2018 – responsabil Dorina Creanga

Prof.dr. Liliana Mitoseriu
14. Grant national: PN-III-P4-ID-PCE-2016-0817, "Fundamental insights on scale dependent phenomena in barium titanate-based ferroelectrics: critical grain size and effect oJ nanostructuring", acronim FerroScale, contract definantare nr.192/09.08.2017, (2017-2019), Director: prof. dr. Liliana Mitoseriu –**IN DERULARE**
15.Grant national:PN-III-P4-ID-PCCF-2016-0175 (2018-2022) HIGHKDEVICE; Coord. UAIC: prof. dr. Liliana Mitoseriu, Director: conf. Dr. Aurelian Rotariu, Univ. Stefan cel Mare, Suceava–**IN DERULARE**
16. Proiect bi-lateral Brancusi: PN-III-P3-3.1-PM-RO-FR-2019-0069 “Multiscale investigations and modeling of novel ferroelectric oxides NOVOXFER” (2019-2020) Director: Liliana Mitoseriu

Prof. dr. Cristian Enachescu
17. Grant TE 151/2015 PN-II-RU-TE-2014-4-0987 , Micro si nanoparticule cu tranzitie de spin incorporate in diverse medii: studiu experimental si teoretic (MINATIN) (director) -2015-2017

Prof. dr. Felicia Iacomi
18.Theme 04-4-1121-2015/2017, IUCN Dubna, Oxide thin films and nanocomposite structures with tunable properties for advanced applications, nr. 58., responsabil F. Iacomi
19.Theme 04-4-1121-2015/2017, IUCN Dubna, The study of some nanocomposites based on graphene for applications in modern electronics and energy conversion and storage, nr. 59, responsabil F. Iacomi
20.Theme 04-4-1121-2015/2017, IUCN Dubna, "Synthesis and characterization of some nanoparticles, nanocomposites and thin films for medical applications", nr. 96/15.02.2016.- responsabil F. Iacomi

Conf. Dr. Habil. Silviu-Octavian GURLUI
21. **ROBIM** - MicroLIBS sensors for robotic planetary and astrobiological exploration missions; http://spectroscopy.phys.uaic.ro/robim.html
Contracting authority: Executive Unit for the Financing of Higher Education, Research, Development and Innovation (UEFISCDI), PN-III-P4-ID-PCE-2020-0332/ 04/01/2021- 31/12/2023, Name of the Program in PN III: P4 - Fundamental and frontier research Project type: Exploratory Research Projects, Budget 1.171.032 lei **(~240.220 euro)**
Project Manager: Assoc. Prof. PhD. Habil. Silviu-Octavian GURLUI
22. **ENIAN** - Enhanced ion acceleration by laser irradiation of special thin polymers layers containing nanoparticles;
http://spectroscopy.phys.uaic.ro/enian.html

Contracting authority: INSTITUTE OF ATOMIC PHYSICS – IFA, Funding: Ministry of Education and Research, Contract no: FAIR_09/24.11.2020/2020-2023/Budget 1.600.000 lei**(~328.220 euro)** Project Manager: Assoc. Prof. PhD. Habil. Silviu-Octavian GURLUI
23. Grant PCE 197/2021, Project Manager: Assoc. Prof. PhD. Habil. Silviu-Octavian GURLUI –adev in anexa

Prof. Dr. Diana Mardare
24. Grant bilateral Dubna, cod temă 04-4-1122-2015/2020, poziţia nr.54 din Ordinul IUCN nr.269/20.05.2020 - The study of water adsorption at nanostructured materials surfaces, by using nuclear-physical methods, 4000 dolari – Director proiect

Prof. dr. habil. Laurentiu Stoleriu
25. Grant 3BM/2019 - Modelarea tranzițiilor de spin fotoinduse în mediianizotrope

Prof.univ.dr. AGOP MARICEL
26. Grant PN III Proiect experimental demonstrative: O NOUA ABORDARE A DISPOZITIVELOR DEILUMINAT EFICIENTE ENERGETIC, BAZATA PEAEROGELURI SI CARBON DOTS” Cod proiect PN-III-P2-2.1-PED-2016-0760 Contract finantare: 77PED/2017, Proiect finantat in cadrul PN-III-P2-2.1-PED-2016 de catre UEFISCDI

Prof. Dr. Habil. Leontie Liviu
27. Proiecte de mobilitate pentru cercetători (MC), cod proiect PN-III-P1-1.1-MC-2019-1002; Măsurători şi analiză de suprafaţă ale straturilor subțiri semiconductoare: studiu comparativ între siliciu şi semiconductori compuşi, Research Institute of Electronics, Shizuoka University, 25.11–06.12.2019.

(Indicator * A.1.3.2 .: Proportion of doctoral students existing at the time of evaluation who benefit for a minimum of 6 months from sources of funding other than government funding, through scholarships granted by individuals or legal entities or are financially supported by research grants or institutional development / human resources, is at least 20%.)

We will refer to the doctorands enrolled in 2019-2020: 53

Supported by grants: 28 (Annex 19)

Prof.dr. Tudor Luchian:
1.Isabela Dragomir, angajata in perioada 15.07..2018 – 31.08..2020 si cint pana la 31-03-2021, in proiectul ‘Tehnologii moleculare emergente pe baza de sisteme micro- si nano-structurate cu aplicatii biomedicale (TehnoBioMed)’, CCCDI – UEFISCDI, project number PN-III-P1-1.2-PCCDI-2017-0010 / 74PCCDI/2018, director T. Luchian
2., Isabela Dragomir, angajata in perioada 01-09-2020 – 31-08-2022 la Proiect TE: Detecţia multiplă şi ultra-senzitivă a fragmentelor scurte de acizi nucleici, utilizând nanoparticule de aur şi nanopori proteici, cod: PN-III-P1-1.1-TE-2019-0037, acronim: NANOSENSEDNA, , director proiect: conf. univ. dr. Loredana Mereuță, Funcția: Asistent de cercetare științifică.
3. Bucataru Ioana Cezara

Angajată pe postul de Doctorand (S) / codul funcției 211103 angajata in perioada 1.02.2021 – 31.12.2023în Proiectul intitulat "*Detecţia multiplex, cu sensibilitate şi selectivitate moleculară, a unor miRNAs relevante fiziologic, cu ajutorul unor xeno acizi nucleici*", acronim RNANODETECT, cod proiect PN-III-P4-ID-PCE-2020-0011.

4. Ciuca Andrei

Angajat in perioada 01.06.2028-30.04.2020 in grant PN-III-P1-1.1-TE-2016-0508 nr. 45/02.05.2018, Identificarea unimoleculară a domeniilor aminoacidice din structura primară a polipeptidelor folosind nanoporiproteici (PEPREC)" Director: CS II. dr. Alina ASANDEI

Without evidences: Ciuca Andrei

- PN-II-RU-TE-2014-4-2388 nr. 64/01.10.2015, „Metodă bazată pe nanopori de detecţie şi cuantificare a bacteriilor prin interacţiunea selectivă a peptidelorantimicrobiene cu membrane bacteriene (BACTODET)" Director: Asist. dr. Aurelia APETREI
- PN-III-P4-ID-PCE-2016-0026 nr. 33/12.07.2017, Studierea interacțiilor la nivel uni-molecular cu ajutorul pensetei cu nanopori. Aplicații în investigareainteracțiunilor mediate de metale în hibridizarea bazelor necomplementare din acizi nucleici (NANOTWEEZ)" Director: Prof. dr. Tudor LUCHIAN
- PN-III-P1-1.2-PCCDI-2017-0010 nr. 74PCCDI/01.03.2018, „Tehnologii moleculare emergente bazate pe sisteme micro si nano-structurate cu aplicații biomedicale (TehnoBioMed)" Director:CS I Dr. Ioan Turcu

Prof. dr. Liliana Mitoseriu

Doctoranzi angajati prin concurs in echipa grantului national: PN-III-P4-ID-PCE-2016-0817 "Fundamental insights on scaledependent phenomena in barium titanate-based ferroelectrics: critical grain size and effect oJ nanostructuring", acronim FeruoScale, contract definanlare nr.l92/09.08.2017 (2017-2019), Director: prof. dr. Liliana Mitoseriu

5. Ina Turcan (inmatriculata in 2016, angajata incepand cu 1 iulie 2018 pana la 31.12.2019)

6. Vlad Alexandru Lukacs (inmatriculat in 2017, angajat incepand cu 1 iulie 2018 pana la 31.12.2019) - Vlad Alexandru Lukacs (inmatriculat in 2017, angajat incepand cu 1 dec. 2018 pana la 9.10.2022) nominalizat in echipa grantului national (si angajat pe grant): PN-III-P4-ID-PCCF-2016-0175 (2018-2022); Coord. UAIC: prof. dr. Liliana Mitoseriu, Director: conf. Dr. Aurelian Rotariu, Univ. Stefan cel Mare, Suceava

-Vlad Alexandru Lukacs (inmatriculat in 2017, nominalizat in echipa grantului national PN-III-P1-1.1-PD-2019-1929 "O nouă paradigmă în proiectarea materialelor electroceramice: controlul defectelor de sarcină" (2020-2022), Director Leontin Padurariu.

-Vlad Alexandru Lukacs) nominalizat in echipa grantului national PN-III-P1-1.1-TE-2019-1689 "Exploring critical conditions as a new tool for enhancing electrocaloric properties of Ba-based lead free ceramics (CritEC), Director Lavinia Curecheriu (2020-2022)

Prof. Dr. habil. Creanga Dorina:

7. Drd. Popescu Larisainmatriculata in 2016, membru in echipa 2018-(1 an)) JINR Cooperation Protocol 4403-4-15/17, Theme 04-4-1121-2015/2017, Investigations of Condensed Matter by Modern Neutron Scattering Methods, item 68, Silanized magnetic nanoparticles with potential utillization in environmental applications, responsabil UAIC Creanga Dorina
- Drd. Popescu Larisa (membru in echipa 2018 -(1 an)): Proiect JINR-DUBNA, 04-4-1121/2018, item 43, Characterization of silver nanoparticles prepared using green synthesis and their effects on environmental microorganisms metabolic activity, responsabil UAIC Oprica, L., Fac. de Biologie, 2018

Prof. dr. habil. Gabriela Borcia:
8. Doctorand Ioana Cristina Gerber (inmatriculata in 2017): Proiect: ROSA STAR_C3-2016_CDI 486 Denumire proiect: Sinteza analogilor de praf interstelar folosind metode cu plasma (PlasmaDust), Finantare: Agentia Spatiala Romana (ROSA), Director de Proiect: Lect. Dr. Ionut Topala,Pozitie: Doctorand,Perioada Contract: 3 Octombrie 2017 – 30 Iunie 2018 + prelungire 30 Iunie 2018 -30.06 2018

Prof. dr. Felicia Iacomi
9,10. - Doctoranzii: Iuliana Cocean (inmatriculata in 2016),Alexandru Cocean (inmatriculat in 2015) membri in proiect SATY: Satellite hybrid micro-thrusters, Romanian Space Agency (ROSA), 2017-2018 (director. Conf. dr. Silviu Gurlui)
11,12. Doctoranzii: : Luminita Popa (inmatriculata in 2016), Alexandru Cocean (inmatriculat in 2015), Andrei Hrib (inmatriculat in 2016), membri (1 an) in proiect: Theme 04-4-1121-2015/2017, IUCN Dubna, Oxide thin films and nanocomposite structures with tunable properties for advanced applications, nr. 58 – responsabil Iacomi Felicia
13,14. Doctoranzii: Luciana Punga (inmatriculata in 2015), Popescu Larisa, Iuliana Cocean (inmatriculata in 2016), membri (1 an) in proiect: Theme 04-4-1121-2015/2017, IUCN Dubna, The study of some nanocomposites based on graphene for applications in modern electronics and energy conversion and storage, nr. 59. – responsabil Iacomi Felicia
-Doctoranzii: Iuliana Cocean (inmatriculata in 2016),Alexandru Cocean (inmatriculat in 2015) membri in proiect AiRFRAME: Aerosol properties retrieval from remote sensing spectroscopic measurements (partner UAIC), (ROSA), 2017-2018
-Doctoranzii: Luminita Popa, Alexandru Cocean (inmatriculat in 2015), Andrei Hrib (inmatriculat in 2016), membri (1 an) in proiect: Theme 04-4-1121-2015/2020, IUCN Dubna, New resistive switching oxide thin films for nonvolatile memory devices, poz. 86, IUCN no. 322/21.05.2018, responsabil Cornel Doroftei

Prof. Dr. Maricel Agop
15. Doctorandul F.Enescu (inmatriculat in 2017): membru in proiectul SATY: Satellite hybrid micro-thrusters, Romanian Space Agency (ROSA), 2017-2018 (director. Conf. dr. Silviu Gurlui)
- Doctorandul F.Enescu (inmatriculat in 2017) este membru in proiectul AiRFRAME: Aerosol properties retrieval from remote sensing spectroscopic measurements (partener UAIC), (ROSA), 2017-2018

Prof. dr. Lucel Sirghi

16. Doctorand Demeter Alexandra (inmatriculata in 2014), asistent cercetare 2ore/zi (1/01/2015-31/12/2015), CNCSIS grant type RO-FR 12/2014 SNON -oxinitruri pentru energie solara

Prof. dr. Marina Aura Dariescu
17. Doctorand Amanoloaei Gheorghe(inmatriculat in 2017)- membru (9luni) in Grant PN-III-P4-ID-PCE-2016-0131 Mathieu and Heun functions in quantum field dynamics (MHFQFD) Perioada: 2017-2018

Prof. dr. Cristian Enachescu
Studenti doctoranzi membri in Proiect TE 151/2015 PN-II-RU-TE-2014-4-0987 , Micro si nanoparticule cu tranzitie de spin incorporate in diverse medii: studiu experimental si teoretic (MINATIN) (director) -2015-2017:
18. Flavian Zacretchi -23 de luni- noiembrie 2015- septembrie 2017

Prof. Dr. Habil. Leontie Liviu
19.Doctorand GAROFALIDE (căs. IACOB) SILVIA TUDORIȚA – membru grant ENIAN:FAIR 05_2020 Accelerarea ionică intensificată prin iradiere cu laser a straturilor speciale de polimeri subțiri care conțin nanoparticule.nr FAIR 09/24.11.2020, 8.12.2020-301.11.2023 –director conf. dr. habil.S.Gurlui

Conf. dr. habil.S.Gurlui
- Doctorand Iuliana Cocean: grant NIAN: Enhanced ion acceleration by laser irradiation of special thin polymers layers containing nanoparticles, APPA/MML/Plasma Physics/PHELIX, FAIR 05_2020
- Doctorand Iuliana Cocean: grant ROBIM: MicroLIBS sensors for robotic planetary and astrobiological exploration missions, PN-III-P4-ID-PCE2020-0332, UEFISCDI, 220.000 EURO
20. Doctorand Francisca Husanu: grant ROBIM: MicroLIBS sensors for robotic planetary and astrobiological exploration missions, PN-III-P4-ID-PCE2020-0332, UEFISCDI, 220.000 EURO
21. Doctorand Postolachi Cristina: grant ENIAN: Enhanced ion acceleration by laser irradiation of special thin polymers layers containing nanoparticles, APPA/MML/Plasma Physics/PHELIX, FAIR 05_2020, 320.000 EURO

Doctorands supported by POSDRU 155397 project (01.07.2015 - 31.12.2015), manager proiect POSDRU/187/1.5/S/155397, prof.univ.dr. Liviu-George MAHA (Annex 20)

16 doctorands were supported by the proiect: POCU/380/6/13/123623 (10 Oct 2019 – 23 Nov 2020), manager prof.univ.dr. Liviu-George MAHA, https://www.bursedoctorale.ro/ :

22. ALUPULUI TEODOR - IULIAN
23. BÎRLEANU EMMA - ROXANA
-BUCĂTARU IOANA CEZARA
-DRAGOMIR ISABELA - ŞTEFANIA
-ENESCU FLORIN
-GERBER IOANA - CRISTINA

24. HROȘTEA LAURA
-HUȘANU GEORGIANA -FRANCISCA
25. LISNIC PETRU
-LUKACS VLAD - ALEXANDRU
26. MIHALCIUC MIHAELA - DIANA
27. SAVIUC ALEXANDRA IULIANA
28. TEODOROFF-ONESIM CĂS. CHIRIAC-II SABINA

Each doctorand, even supported by multiple projects, was considered only once in the above list (a total of 28 doctorands).

28/53=53%>20%– CRITERION FULFILLED!

(Indicator A.1.3.3 .: At least 10% of the total amounts related to doctoral grants obtained by the university through institutional contract and tuition fees collected from doctoral students in the form of education with the fee is used to settle training costs professional training of doctoral students (participation in conferences, summer schools, courses, internships abroad, publication of specialized articles or other specific forms of dissemination, etc.).

Since 2016, doctoral students have received from the Faculty of Physics, based on the doctoral grant, an amount of 3100 lei each (according to the decision of the Physics Council, and since 2018, the amount established at the UAIC level was 4000 lei. could be spent for trips to conferences, summer schools, or for the purchase of materials, etc. We attach the sheets with the values of the annual grant for doctoral students enrolled starting with 2011/2012, established by the Official Gazette for 2015, as well as how they were spent the amounts for trips, for PhD students within SDF for the years 2016-2020 (Annex 21).

Year	Payments for doctorands mobilities, art 57	No. of doctorands mobilities	Incomes for mobilities+taxes
2016	19830.15 lei	**41**	Grant depl.x (nr. Drd (2016-2017))+taxe in 2016=3100x 41+2977.5 = 130077.5
2017	12440.52 lei	**32**	Grant depl.x (nr. Drd (2017-2018))+taxe in 2017=3100x32+4894.5=104094.5
2018	4469.87 lei	**30**	Grant depl.x (nr. Drd (2018-2019))+taxe in 2018=4000x 30+1875 =121875
2019	**30764.37 lei**	**27**	**(4000 x 27) + 21937.5 = 129937.5**
2020	**2020: 0 lei**	**25**	**(4000 x 25) + 22997.5 = 122997.5**
	TOTAL: 67504.91lei		**TOTAL: 608982 lei**

10%x 608982=60898.2lei< 67504.91lei–CRITERION FULFILLED!

4.1.2.Research Infrastructure

(Standard A.2.1. SD accreditation and doctoral fields) IOSUD / Doctoral schools have a modern research infrastructure that supports the development of activities specific to doctoral studies (Indicator A.2.1.1. SD accreditation) IOSUD / Doctoral School presents evidence on owning or renting spaces for research activities specific to doctoral programs (laboratories, experimental fields, research stations, etc.).

The didactic and research process for all the three cycles of education takes place only in the own spaces of the faculty spread over an area of 2721.52 sqm. Of the 90 own spaces, the share is represented by the didactic and research spaces:

Destination	Number	Total surface (mp)
Teaching laboratories and seminar rooms	18	843,92
Research aboratories	56	1460,16
Amphitheatres	1	190,38
Total	75	2494,46

In addition to these spaces, which represent 91.65% of the total area owned in administration, the faculty also has a library with a total area of 79.37 square meters, as well as storage spaces for laboratory equipment.

Out of the total spaces destined for the teaching activity and practical works, over 50% are used as spaces for carrying out the research activity and practical works for the students from the master's and doctoral program.

The spaces for the research activity of master's and doctoral students are equipped with modern research equipment, purchased mainly from the basic funding allocated to the faculty from the budget, proportional to the number of equivalent students, but also from funds obtained through direct competition by teachers. faculty, which carries out domestic and international research grants.

(Indicator A.2.1.2. SD accreditation) IOSUD / Doctoral School has collaboration agreements concluded with higher education institutions, research institutes, research networks for the partnership operation of various research infrastructures and publicly presents its offer of research services through a profile platform.

There are agreements concluded between the Faculty of Physics and research institutes in which doctoral students can make complementary experimental measurements (Petru Poni Institute-Iasi, Institute of Technical Physics-Iasi, National Research and Development Institute for Physics and Nuclear Engineering "Horia Hulubei" (IFIN -HH), Regional Institute of Oncology (IRO) –Iasi). (Annex 1)

The research centers and laboratories of the Faculty of Physics have an endowment that ensures the development in good conditions of the proposed research activities. Equipment is presented publicly on the SDF website: https://www.phys.uaic.ro/index.php/scoala-doctorala/centre-laboratoare-cercetare-doctorat/). Also on the SDF website (https://www.phys.uaic.ro/index.php/scoala-doctorala/centre-laboratoare-cercetare-doctorat/) there is a link with the equipment from the faculty (http: // www2 .phys.uaic.ro/equipement-de-recherchee_c2119.html).

(Indicator A.2.1.3. SD accreditation) IOSUD / Doctoral School demonstrates that it is concerned with the permanent renewal of the research infrastructure which provides doctoral students with access to current research resources, by applying in various competitions to finance the research infrastructure. research and through acquisitions for research infrastructure from IOSUD's own revenues.

In paragraph 2.8. a presentation is made of the annual amounts obtained through grants in the last period, and at point A.1.3.1 are presented the 27 grants of the doctoral supervisors for 2026-2020.

Indicator A.2.1.1. doctoral field accreditation: The spaces and material endowment of the doctoral school allow the realization of research activities in the evaluated field, in accordance with the mission and objectives assumed (computers, specific software, equipment, laboratory equipment, library, access to international databases, etc.).). The research infrastructure and the offer of research services are presented publicly through a profile platform. It will be highlighted, distinctly, the research infrastructure described above, acquired and developed in the last 5 years.

The research centers and laboratories have an infrastructure that ensures the development in good conditions of the proposed research activities. The table below shows in the first part equipment worth more than 100000 lei that have been put into operation in recent years, and equipment purchased from research projects, in the period 2016-2020 (with bold letters), equipment that can be found corresponding link to the laboratories in our faculty- given on the SDF website. Also here is a link with the equipment from the faculty.

Atmosphere Optics, Spectroscopy and Lasers Laboratory LOASL - ACTRIS-RO UAIC
https://eeris.eu/erif-2000-000f-0796
Center for Applied Research in Physicsand Advanced Technologies - CARPATH
https://eeris.eu/erif-2000-000n-2387 ;
https://stoner.phys.uaic.ro/equipment/magnetic-measurements.html
Dielectrics, Ferroelectrics&Multiferroics Laboratory
https://eeris.eu/erif-2000-000z-0736
Iasi Plasma Advanced Research Center (IPARC)
https://eeris.eu/erif-2000-000c-0743
Integrated Platform for Advanced Studies in Molecular Nanotechnologies - AMON
https://eeris.eu/erif-2000-000y-2388
Molecular Biophysicsand Medical Physics Laboratory
http://www2.phys.uaic.ro/bio/index_files/Biofizica_FizicaMedicala_Equipment.html
https://eeris.eu/erif-2000-000q-0703
Advanced Experimental snd Theoretical Research Center in Condensed Matter Physics
https://eeris.eu/ERIF-2000-000R-3620

See also Annex 2

No. Inventory	Name	Values (lei/euro)
229444	Spectrometru de absorbtie in infrarosu cu transformata Fourier, Jasco FT/IR-4700 - detector DLaTGS thermostat; - interferometru sigilat si dezumidificat, cu sistem de management a sursei de radiatie pentru dezumidificare activa; - beam splitter	106,981.00
229438	Instalatie de producere a unei plasme magnetizate 1. Incinta sferica prevazuta cu urmatoarele porturi (flanse): 3 porturi fixe 160CF, 4 porturi fixe tip 63CF, 7 porturi fixe tip 40CF, 3 porturi tip KF25; 2.3 buc. porti cu acces rapid PN: 640-QA	315,350.00
229358	Laser Quantel, model YG981E	409,990.70
229357	Fotometru multibanda CIMEL –SUN SKY LUNAR-CE318-TS9 Modulul include laptop cu software de lucru dedicat [ASTPWIN] pentru comunicarea datelor catre platforma de calcul AERONET – NASA; Garantie: 12 luni de la data receptiei	249,995.20
229046	Detector HPGe (germaniu hiperpur) pentru spectrometru Ortec Nomad de radiatii gama existent (nr. inv. 401531)	122,346.00
229019	Presa manuala izostatica TOP INDUSTRIES FRANTA+ Suport pentru presa isostatica COD2283 cu 2500 bar, + pompa manuala de 4000 bar din otel cod 609 28 00PU+ rezervor de umplere +valve de 4000 bar pentru izolare + senzor de presiune de 2500 bar + c	138,508.80
228662	Sistem modular pentru spectrosocopie RAMAN Avantes – PN: AvaRAMAN – 785 TEC-USB2 - laser cu lungimea de unda de 785 nm cu largimea de banda de < 0.2 nm; cu putere variabila 5mW pana la 500 mW cu un pas de 10 mW; - detector cu racire pentru un	105,995.20
228452	Lichid cromatograf HPLC-UV-Vis/DAD Agilent Technologies Seria 1260 Infinity - sistem complet modular si upgradabil cu module suplimnetare in functie de necesitatile beneficiarului; - poate fi upgradat la modul de operare 2DLC („LC comprehensi	225,637.84
228440	Sistem integrat de rezolvare spatio-temporala a proceselor fizico-chimice din atmosfera terestra 1. modul oscilator parametriv optic laser spec vis opo+uc-sgh; 2. adaptor fibra optica model fc-446-020; 3. expandor de fascicul laser uv-cv1 la	299,708.00
227866	Sistem integrat de caracterizare optica si spectrala a plasmei produse prin ablatie laser sub vid si in atmosfera libera	709,528.00
227635	Microscop de forta atomica.Sistem AFM complet. Microscop de forta atomica (AFM) Sistemul compus din: 1) scaner cu flexura ghidata XYZ, Scanner XY, Scanner Z 2) Cap AFM 3) Microscop optic on-axis cu camera digitala CCD color si plat	460,018.92
227437	Criostat optic si accesorii	171,591.20
226765	Camera ccd model du 860e cs bv cci 23 pci controller card solis operating software sdk	152,520.00
2266380	Fotometru solar cu sistem automat de directionare	128,767.85

225492	Montura de masura a proprietatilor electrice/magnetice la temp.joase in camp vert.parti regulator de debit vas dewar pt. he, pt. azot compresor de aer cs-5 pompa turbo si acces.	627,439.19
2253630	Componente optice anexe la masa optica	1,386,819.53
225283	Sistem spectrometric uv-vis-nir model tec5ag	158,270.00
225048	Spectrometru de fotoelectroni	1,453,552.50
224939	Analizor de raspuns in frecv. hf solatron analytical cu acces. Interfata dielectrica; diel.sample holder; electrode kit; cablu de conexiune calc. analizor	211,694.46
224911	Spectrofluorimetru fluoromax 4 (celula cu vol. redus 1ml 5*5mm adaptor si agitator magnetic lampa xenon 150W fara ozon software fluorescence cu licenta ptr. origin)	114,392.55
223941	Difractometru de raze x MO9D	339,306.31
223921	Analizor de impedante	163,433.31
223816	Analizor spectral (microwave vector network analyzer)	541,884.05
223785	Supercomputer	1,107,184.79
223570	Sistem de depunere multifunctional	112,506.00
223466	Amplificator de inalta tensiune	138,278.00
222709	PMC magnet supply controller	285,214.82
221751	Amplificator de tensiune mod 30/20a high voltage, generator de fct.	128,401.00
221455	Instalatie de producere a azotului lichid	177,979.97
224624	MICROMANIPULATOR 2 AXE DISPLAY; BT206/31.03.2008	11,367.36
222714	EPC 8 Pach Clamp Amplifier, acc.Faradey Gage, Banch Top rack; Bt401/27.03.2006	12.698.91
229715	**Amplificator de semnal biologic multiplu canal Multiclamp 700B; BM 3/02.07.2019**	**84,314.88**
229863	**Microcalorimetru PEAK-ITC; BM29/31.10.2019**	**547,934.31**
229343	**SPECTOMETRU UV-VIS pentru probe in volume miciNanoDrop with WIFI; BM2/06.10.2017**	**69,734.00**
nou	**Camera digitata cu focalizare automata /Luchian**	**/8000euro**
nou	**SILVER-Nova Super Range TE Cooled Spectrometers /Luchian**	**/3000euro**
228969	**Sursa de curentsitensiune HM7042-5 /Doc. BM50/26.08.2016**	**3660.00**
228934	**Rotor unghiularpentrucentrifuga 320/ Doc. BM22/28.07.2016**	**2877.60**
6102921	**Multimetru TRMS Fluke289/Doc. BCOI 39/19.08.2016**	**2382.00**
229498	**Telescop computerizat Maksutov-Cassegrain SkyWatcher Mak 127 EQ3-2 cu trepied din otel / BM 1/05.07.2018**	**2950.00**
6108507	**Telescop BRESSER Messier 5 Dobson/ BCO 2/04.03.2020**	**848.99**
1100364	**Planetariu de camera Homestar /BC 31/04.03.2020**	**570.00**
	Controler joja de presiune compatibil minim sau echivalent cu modelul XGS-600 Gauge Controller AGILENT PN: XGS600H0M0C0A1/2016	**8100.00**
	Joja de vid capacitiva cu diafragmaModel: CDG-500 Capacitance Diaphragm Gauge/2016	**7900.00**
229785	**Distilator Liston A 1104/2019**	**5657.24**

229837	**Centrifuga de laborator Liston C 2201/2019**	**40700.08**
223098	**Agitator magnetic cu incalzire/2017**	**2099.41**
229339	**pH-metru FiveEasy/2017**	**2915.5**
229565	**Baie de ultrasunete Emmi-40HC/2018**	**3297.03**
229438	**Instalatie de producere a unei plasme magnetizate / 2017**	**315350**
228858 228857	**2 Joje vid de tip capacitiv / 2016**	**15120**
228327	**Flanșa mobila cu vizor pentru incinta vid (cuplare spectrometru de masa) /2016**	**3820**
229444	**Spectrometru de absorbţie in infraroşu cu transformata Fourier/2017**	**106987**
229406	**Sursa de alimentare si unitate de afisare cu 4 canale, pentru Mass Flow Controlere MKS, model 247D/2017**	**12495**
229608	**Incinta vid ISO F 250 CF 40-63-100 si accesorii/2018**	**19978**
228839	**Sistem racire camera ultrarapida ICCD CoolCUBE/2016**	**23,536.80**
228864	**Server cu procesor I7 6700K, ; Placa de baza ATX cusocket compatibil cu procesorul /2016**	**3,099.60**
228900	**Statie HP Z240Tower, cu procesor Xeon E3-1245 v5 ;chipset C236 Memorie RAM instalata 32 GB, DDR4 /2016**	**7,410.00**
228937	**Osciloscop digital Wave Surfer 3054/2016**	**33,480.00**
229335	**Sursmetru F 207-4736 KEITHLEY 2400 Source domeniu tensiune ± 200mV to ± 200V /2016**	**27,623.23**
229356	**TELESCOP GSO RC 400mm /2017**	**12,984.09**
229357	**Fotometru multibanda CIMEL –SUN SKY LUNAR-CE318-TS9 :Modulul include laptop cu software /2017**	**37,485.00**
229358	**Laser Quantel, model YG981E /2017**	**249,995.20**
229366	**Joja vid Agilent PCG-750 Pirani/Capacitiva /2017**	**409,990.70**
229367	**Trecere vid combinata contacte electrice + contacte /2017**	**2,677.50**
229368	**Debitmetru cu control de debit i afiaj integrat, debit : 0 -100 sccm, calibrare NIST /2017**	**11,483.50**
229369	**Debitmetru cu control de debit i afiaj integrat, debit : 1000 SLPM, afiaj tip LCD integrat de 2.1 /2017**	**19,754.00**
229370	**Flansa DN 100 CF cu viewport fused silica,Allectra /2017**	**5,021.80**
229374	**Controler motor pas cu pas, 3 canale /2017**	**14,901.18**
229375	**Motor pas cu pas, translatie liniara, Tip:NRT150/M /2017**	**11,984.49**

229376	**Motor pas cu pas, translatie liniara, Tip:NRT150/M /2017**	**11,984.49**
229377	**Motor pas cu pas, translatie liniara, Tip:NRT150/M /2017**	**11,984.49**
229385	**Osciloscop digital pentru domenii mixte MDO3104 4 canale analogice, banda de frecvente 1 GHz,**	**46,410.00**
7014020	**Licenta Windows 10 Pro, 32/64 bit, Engleza, Retail, USB.**	**999.01**
7014100	**Soft Lightfield V6 cu suport pentru sistem de operare Windows 10**	**9,427.18**
229561	**Profilometru stylus, model DektaXT • Sistem alimentare 220-240 VAC**	**212,260.30**
6108302	**Laptop Lenovo /2020**	**3899.99**
6102068	**imprimanta Brother/2018**	**440.31**
6109031	**Computer desktop/2016**	**2347.80**
229539	**Computer Desktop HP Elitedesk 800 /2018**	**5378.80**
229499	**Laptop Dell Inspirion 5570 I 5-8250U /2018**	**3388.47**
229336	**LAPTOP DELL XPS 9560 cu procesor I7-7700HQ,/2017**	**12,984.09**
229385	**Laptop HP 250 G6 i5-7200U, 15.6", 8GB, SSD 256GB, /2017**	**46,410.00**
7014020	**Osciloscop digital pentru domenii mixte MDO3104 4 canale analogice, banda de frecvente 1 GHz, /2017**	**999.01**
7014100	**Licenta Windows 10 Pro, 32/64 bit, Engleza, Retail, USB. /2017**	**9,427.18**
229527	**Computer asus-K31CD-K-RO008D /2018**	**3530.73**
228841	**ComputerDELL-OPTIPLEX,5040 MT-I7/2016**	**3769,20**
228842	**ComputerDELL-OPTIPLEX,5040 MT-I7 /2016**	**3769.20**
229528	**Computer asus-K31CD-K-RO008D /2018**	**3530.73**
229604	**Computer DELL-OPTIPLEX,3050-I7 /2018**	**3165.40**
229605	**Computer DELL-OPTIPLEX,3050-I7 /2018**	**3165.40**
229622	**Computer DELL-OPTIPLEX,5060MT /2018**	**4305.79**
229623	**Computer DELL-OPTIPLEX,5060MT /2018**	**4305.79**
229942	**Computer Dell Vostro 3471 /2019**	**2732.24**
228950	**Computer ASUS-K31…I7 /2016**	**3816.00**
228951	**Computer ASUS-K31…I7 /2016**	**3816.00**
229716	**Laptop Asus ViviBook S14 /2019**	**4698.12**
228893	**Laptop Asus N552VX /2016**	**4678.80**
228886	**Laptop Asus ROG G771JW /2016**	**5793.38**
229919	**Laptop ASUS VivoBook S14 S430FA-EB063T /2019**	**3167.91**
229902	**Laptop ASUS ZenPro 15 UX580GE /2019**	**9374.93**
229903	**Laptop ASUS ZenPro 15 UX580GE /2019**	**9374.93**
229714	**Laptop ASUS VivoBook S14 S430FA-EB046T /2019**	**84314.88**
228964	**Tableta SAMSUNG TAB S2 T815, 9,7",octa /2016**	**2499.97**
228965	**Tableta SAMSUNG TAB S2 T815, 9,7",octa /2016**	**2499.97**
229789	**Ultrabook ASUS ZenBook Pro 15 UX580GE /2019**	**7883.75**
229788	**Ultrabook ASUS ZenBook Pro 15 UX580GE /2019**	**7883.75**

To the resources inventoried above are added the online database to which the SDF community has subscription access through ***ANELIS PLUS 2020*** – National Electronic Access to Scientific Literature for the Support of the Research and Education System from (Project co-financed from the European Fund for Regional Development through Operational Program Competitiveness (2014-2020).

The general objective of the Anelis Plus 2020 project is to increase Romania's RDI capacity in the fields of intelligent and health specialization and it completely overlaps with the specific objective of the program. The project will increase the involvement of the Romania research environment in specialized international research networks, of major importance for the future development of science and technology, and will contribute, at the same time, to the development of appropriate information infrastructure to support large and complex research projects. Also, the project is in connection with specific objective that refers to the increase of Romanian participation in research at EU level because, through its objectives and expected results, it increase the visibility of Romanian research facilitates links with international research structures.
Alexandru Ioan Cuza University from Iasi, Subscriber resources 2018 (ANELIS PLUS 2020): Science Direct Freedom Collection; Scopus; SciFinder (CAS); MathSciNet

4.1.3.Human resources

(Standard A.3.1. SD accreditation and doctoral fields) At the level of each doctoral school there are enough qualified staff so as to ensure a quality educational process. (At the level of each field there are qualified staff with the necessary experience to carry out the doctoral study program) (Indicator A.3.1.1. Accreditation of doctoral fields) Within the doctoral field, at least 3 doctoral supervisors and at least 50% work of these (but not less than 3) meet the minimum standards of the National Council for Attestation of University Degrees, Diplomas and Certificates (CNATDCU) in force at the time of evaluation, necessary and mandatory to obtain the certificate of qualification.

Within the doctoral field of Phyiscs, the Doctoral School of Phyisics, carries out its activity, this year (2021-2022), 22 PhD supervisors, of which 4 are associate professors: Prof.dr. MARICEL AGOP is professor at TECHNICAL UNIVERSITY "GHEORGHE ASACHI" FROM IASI, and PhD supervisors: NEAGU MARIA, NICOLETA DUMITRASCU, LUCA DUMITRU and IACOMI DACIA FELICIA are EMERITUS professors, who have PhD students in internship, or have not reached the age 70 (according to SDF Reglementation, Art.10 (4)). *Three PhD supervisors out of 22, joined SDF in 2021, receiving the habilitation certificate in 2020. It is about: conf.dr.habil. TOPALA IONUT, lect.dr.habil.CURECHERIU LAVINIA and conf.dr.habil. DIMITRIU DAN*.

Dana Dorohoi and CS1 dr. Horia Chiriac, retired, completed, during the evaluated period, the PhD supervisions for the PhD students in the grace period.

We attach the minimum CNATDCU standards in force at the time of the evaluation (Annex 22), A=2, I=4, P=4, C=40, h=10, T=A+P/2+I/2+C/20+h/5=12).
The meeting of the criteria, for the 19 PhD supervisors from SDF, for the entire activity, is presented below (Annex 23):

Nr	Name	For the whole activity					
		A	I	P	C	h	TOTAL
1	Maricel Agop	45.1596	13.1748	55.553	245.7146	27	97.20923
2	Gabriela Borcia	5.68	6.38	14.28	308.2	18	35.02
3	Ovidiu Florin Călțun	2.232	6.5	9.643	276.709	25	29.13895
4	Dorina Creangă	7.6232	11.1	6.86	202.3	16	29.9182
5	Ciprian Dariescu	2.57	21.92	37	59	8	36.58

6	Marina Aura Dariescu	3.51	21.3	48	59	8	42.71
7	Nicoleta Dumitrașcu	13.8	5.35	5.32	144.87	14	29.1785
8	Felicia Iacomi	-	6.541	7.761	122.686	16	16.485
9	Cristian Enăchescu	7.49	19.688	34.778	357.516	28	58.1988
10	Liviu Leontie	6.506	8.48	22.41	323.74	20	42.138
11	Dumitru Luca	7.526	3.651	4.741	156.77	15	22.5605
12	Tudor Luchian	2.8	60.111	86.513	144.52	15	86.338
13	Diana Mardare	2.74	7.799	18.038	447.31	24	42.824
14	Liliana Mitoșeriu	30.165	25.43	60.33	981.3	36	129.31
15	Maria Neagu	2.3	7.7	12.3	69	9	17.55
16	Lucel Sîrghi	5.86	16.914	31.565	314.101	20	49.80455
17	Alexandru Stancu	19.88	47.579	29.968	649.882	29	96.9476
18	Laurentiu Stoleriu	4.247	13.799	9.758	215.53	18	30.402
19	Silviu Gurlui	31.7	6.491	7.69	153.805	19	50.28075

All 19 PhD supervisors meet the total score, but 4 do not meet certain partial scores, for this evaluation, the current CNATDCU criteria at the time of evaluation.

At least 50% numerical doctoral supervisors meet the standards -– CRITERION FULFILLED!

(Indicator A.3.1.2. Doctoral field accreditation) At least 50% of the doctoral supervisors in the evaluated doctoral field are holders within IOSUD, employed with the conclusion of an employment contract for an indefinite periodIndicator A.3.1.2. SD accreditation: At least 50% of the teaching / research staff involved in teaching and research activities related to advanced university training programs or in individual scientific research or artistic creation programs are holders of IOSUD, employed with the conclusion of an employment contract unlimited time

Within SDF, 18 doctoral supervisors from the evaluated doctoral field are holders within IOSUD, and one is an external associate (prof. Dr. MARICEL AGOP - professor at the "GHEORGHE ASACHI" TECHNICAL UNIVERSITY IASI) (Annex 24) **CRITERION FULFILLED!**

(Indicator A.3.1.3. Doctoral field accreditation) The disciplines in the training program based on advanced university studies related to the field are supported by teachers or researchers who have the quality of doctoral / qualified supervisor, professor / CS I or associate professor / CS II with proven expertise in the field of taught subjects or other specialists in the field that meet the standards established by the institution for the teaching and research functions mentioned above, in accordance with the law.

The CVs of the doctoral supervisors, together with their experience, can be accessed on the SDF website http://www.phys.uaic.ro/index.php/scoala-doctorala/conducatori-doctorat/

The 7 disciplines in the training program based on advanced university studies related to the field of PHYSICS are supported in the academic year 2020-2021 by 13 doctoral supervisors, each a specialist in the field of the taught http://www.phys.uaic.ro/index.php/scoala-doctorala/conducatori-doctorat/ (Annex 25)

1	Topical problems in magnetism	Prof.dr. Stancu Alexandru Prof.dr. habil.Laurentiu Stoleriu

2	Special chapters of theoretical physics	Prof. dr. Ciprian Dariescu Prof. dr. Aura Dariescu
3	Investigation techniques for the study of molecular structures	Prof. dr.Tudor Luchian Prof.dr.habil. Gabriela Borcia
4	Advanced materials for functional applications	Prof.dr. habil. Liviu Leontie Prof. dr. Diana Mardare
5	Electrical properties of the materials	Prof. dr. Liliana Mitoseriu Prof. dr. habil.Cristian Enachescu
6	Applications of plasma and laser radiation in medicine and environment science	Prof. dr. Lucel Sirghi Conf. dr. habil. S.ilviu Gurlui
7	Ethics and academic integrity	Prof.dr. Caltun Ovidiu

(Indicator A.3.1.4. Doctoral field accreditation and indicator A.3.1.1. SD accreditation) The share of doctoral supervisors who coordinate at the same time more than 8 doctoral students, but not more than 12, who are in the period of doctoral studies does not exceed 20%.

We present below the situation for the university year. 2019-2020.

	PhD supervizor	**No. of doctornads 2019/2020**
1	Prof.dr. Stancu Alexandru	1 +1 gratie
2	Prof.dr. Caltun Ovidiu	4+1 gratie
3	Prof. dr. habil. Laurentiu Stoleriu	1
4	Prof. dr. Ciprian Dariescu	0
5	Prof. dr. Aura Dariescu	0
6	Prof. dr. Tudor Luchian	2
7	Prof.dr. Maria Neagu	1+2 gratie
8	Prof. dr. Felicia Iacomi	1+5 gratie
9	Prof. dr. Dumitru Luca	0
10	Prof. dr. Diana Mardare	0
11	Prof. dr. Liliana Mitoseriu	1+2 gratie
12	Prof. dr. habil. Cristian Enachescu	0
13	Prof.dr. habil. Liviu Leontie	4+1 gratie
14	Prof. dr. habil. Lucel Sirghi	2+2 gratie
15	Prof. dr. Nicoleta Dumitrascu	1+1 gratie
16	Prof. dr. Maricel Agop	3+5 gratie
17	Prof.dr. habil. Dorina Creanga	3+1 gratie
18	Prof. dr. habil. Gabriela Borcia	4
19	Conf. dr. habil. Silviu Gurlui	1
20	prof. univ. dr. Dana-Ortansa DOROHOI	1 gratie

It is observed that we do not have any situation of doctoral supervisors who coordinate at the same time more than 8 doctoral students (not more than 12), during their doctoral studies!

Visibility of scientific activity

Standard A.3.2. Doctoral field accreditation) The doctoral supervisors within the doctoral school carry out an internationally visible scientific activity.
(Indicator A.3.2.1. Doctoral field accreditation) At least 50% of the doctoral supervisors in the field subject to evaluation present at least 5 publications indexed Web of Science or ERIH in journals with impact factor or other achievements, with relevant relevance for that field , which includes international contributions that reveal a progress in scientific research-development-innovation for the evaluated field. The mentioned doctoral supervisors have international visibility in the last five years, consisting in: the quality of member in the scientific committees of the international publications and conferences; membership in the boards of international professional associations; the quality of guest at conferences or groups of experts held abroad or the quality of member of some commissions for the defense of doctoral theses at foreign universities or in co-supervision with a foreign university.

All PhD supervisors from SDF, from the evaluated period, present at least 5 Web of Science indexed publications and have international visibility, as presented below:

Prof. dr. habil. Dorina Creanga

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4.Puscasu E, Sacarescu L, Popescu-Lipan L, Nica V, Grigoras M, Domocos A, Lupu N, **Creanga D**. Study on the effect of some surface phenomena on the properties of citrate capped cobalt doped ferrites. **Appl. Surf. Sci..** 483:1182-91. 2019.
5.Oprica, L., Andries, M., Sacarescu, L., Popescu, L., Pricop, D., **Creanga, D**., Balasoiu, M. Citrate-silver nanoparticles and their impact on some environmental beneficial fungi. **Saudi J. Biol. Sci.,** 27(12), 3365-3375. 2020
6.Dorohoi, D.O., **Creanga, D.E.,** Dimitriu, D.G., Morosanu, A.C., Gritco-Todirascu, A., Mariciuc, G.G., Melniciuc, N.P., Ardelean, E., Cheptea, C.,Computational and spectral means for characterizing the intermolecular interactions in solutions and for estimating excited state dipole moment of solute**.** **Symmetry**, 12(8), 1299, 2020**.**

Prof. dr. habil. Gabriela Borcia

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2. C. Borcia, I.L. Punga, G. Borcia, "Surface properties and hydrophobic recovery of polymers treated by atmospheric-pressure plasma", *Appl. Surf. Sci.*, **317** (2014) 103-110
3. G. Broasca, G. Borcia, N. Dumitrascu, N. Vrinceanu, "Characterization of ZnO coated polyester fabrics for UV protection", Appl. Surf. Sci., 279 (2013) 272-278

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5. G. Borcia, C.A. Anderson, N.M.D. Brown, “Surface Treatment of Natural and Synthetic Textiles using a Dielectric Barrier Discharge”, Surf. Coat. Technol., 201(6) (2006) 3074-3081

Prof. dr. habil.Lucel Sirghi
1. Samoila, F; Pohoata, V; Sirghi, L, Cleaning Away the Oleic Acid Contaminant from Glass Surface by Negative Glow Plasma, PLASMA CHEMISTRY AND PLASMA PROCESSING, 2018, 38 (6) 1273-1291, 10.1007/s11090-018-9927-x, WOS:000446033700008.
2.Demeter, A; Samoila, F; Tiron, V; Stanescu, D; Magnan, H; Straticiuc, M; Burducea, I; Sirghi, L, Visible-light photocatalytic activity of TiOxNy thin films obtained by reactive multi-pulse High Power Impulse Magnetron Sputtering, SURFACE & COATINGS TECHNOLOGY, 2017, 324 () 614-619, 10.1016/j.surfcoat.2016.10.011, WOS:000406988200072.
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Prof. dr. Caltun Ovidiu

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*Journal of Sol-Gel Science and Technology***91** (2019) 654–663.
2. I. Boukhoubza, M. Khenfouch, M. Achehboune, **L. Leontie**, A. Carlescu, C. Doroftei, B. M. Mothudi, I. Zorkani, A. Jorio**"Graphene oxide coated flower-shaped ZnO nanorods: Optoelectronic properties"**
*Journal of Alloys and Compounds***831** (2020) 154874.
3. I. Boukhoubza, M. Khenfouch, M. Achehboune, **L. Leontie**, A. C. Galca, M. Enculescu, A. Carlescu, M. Guerboub, B. M. Mothudi, A. Jorio and I. Zorkani**"Graphene Oxide Concentration Effect on the Optoelectronic Properties of ZnO/GO Nanocomposites"**
*Nanomaterials Basel***10** (2020) 1532.
4. E. Vatavu, **L. Leontie**, I. Caraman, V. Sprincean, D. Untila, C. Doroftei, M. Caraman
"Optical and structural properties of n- and p-InSe/In_2O_3 heterostructures"
*Journal of Luminescence***227** (2020) 117550.
5. C. Doroftei, **L. Leontie, "Nanocrystalline $SrMnO_3$ perovskite prepared by sol–gel self-combustion method for sensor applications"**
Journal of Sol-Gel Science and Technology (2020) DOI: 10.1007/s10971-020-05419-4.

Prof. dr. Diana Mardare

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3. THE EFFECT OF CO_2GAS ADSORPTION ON THE ELECTRICAL PROPERTIES OF FE DOPED TIO_2 FILMS, Diana Mardare, Catalin Adomnitei, Daniel Florea, Dumitru Luca, Abdullah Yildiz, Physica B 524 (2017) 17–21
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Prof. dr. habil. Laurentiu Stoleriu

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Prof. dr. Felicia Iacomi

1. Ben Daly, A., Craciun, D., Laura Ursu, E., Lemaitre, A., Maaref, M.A.. Iacomi, F., Vasile, B.S., Craciun, V., Optical and structural properties in type-II InAlAs/AlGaAs quantum dots observed by photoluminescence, X-ray diffraction and transmission electron microscopy, Superlattices and Microstructures, 110 (2017) 1-9.

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Prof. dr. Maricel Agop

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4.The Classical Theory of Light Colors: a Paradigm for Description of Particle Interactions, Mazilu, N. ; Agop, M. ; Gatu, I. ; Iacob, DD. ; Butuc, I.; Ghizdovat, V., INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, volume: 55, 6, 2773-2793, 2016
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Conf. Dr. Habil. Silviu-Octavian GURLUI

1. A. Cocean, I. Cocean, M.M. Cazacu, G. Bulai, F. Iacomi, S. Gurlui, Atmosphere self-cleaning under humidity conditions and influence of the snowflakes and artificial light interaction for water dissociation simulated by the means of COMSOL, (2018) Applied Surface Science, 443, pp. 83-90.
2.I. Cocean, A. Cocean, F. Iacomi, S. Gurlui, City water pollution by soot-surface-active agents revealed by FTIR spectroscopy, Applied Surface Science 499 (2020) 142487
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4.Irimiciuc, S., Enescu, F., Bedelean, H., Gurlui, S., Agop, M., Space-and time-resolved optical investigations on ns-laser produced plasmas on various geological samples, (2020) Spectrochimica Acta - Part B Atomic Spectroscopy, 170, art. no. 105904,
5. Bulai, G., Epure, L., Strat, M., Toma, S., Cimpoesu, N., Gurlui, S., Constantinel, R., Hurduc, N., Azo-polysiloxanes spontaneous surface relief grating by pulsed laser irradiation, (2020) Applied Physics A: Materials Science and Processing, 126 (8), art. no. 616, .

Prof. Dr. Dana-Ortansa DOROHOI (retired)

1.D. O. Dorohoi, D. H. Partenie, A. C. Calugaru (Morosanu) – Specific and universal interactions in Benzo-[f]-Quinolinium Acetyl-Benzoyl Methylid (BQABM) solutions; excited state dipole moment of BQABM, *Spectrochimica Acta A – Molecular and Biomolecular Spectroscopy* **213** (2019) 184-191, DOI: 10.1016/j.saa.2019.01.035;

2.D. Babusca, A. C. Morosanu, A. C. Benchea, D. G. Dimitriu, D. O. Dorohoi – Spectral and quantum mechanical study of some azo-derivative, *Journal of Molecular Liquids* **269** (2018) 940-946, DOI: 10.1016/j.molliq.2018.03.125;

3.D. G. Dimitriu, D. O. Dorohoi – New method to determine the optical rotatory dispersion of inorganic crystals applied to some samples of Carpatian Quartz, *Spectrochimica Acta A – Molecular and Biomolecular Spectroscopy* **131** (2014) 674-677, DOI: 10.1016/j.saa.2014.04.139;

4.V. Sunel, D. O. Dorohoi, M. Moise, L. Stroia – Aromatic acid chlorides dosage with N-acyl-aminoacids in aprotic solvents by a spectrophotometric method, *Joutnal of Molecular Liquids* **154** (2010) 58-60, DOI: 10.1016/j.molliq.2010.04.001;

5.L. Dumitras, I. Dumitras, D. O. Dorohoi, M. Toma – Interferometric method for birefringence determination with a polarizing microscope, *Optics Express* **16** (2008) 20884-20890, DOI: 10.1364/OE.16.020884.

CSI dr. Horia Chiriac (retired)

1. Dragos, O; Chiriac, H; Lupu, N; Grigoras, M; Tabakovic, I. 2016. Anomalous Co deposition of fcc NiFe nanowires with 5-55% Fe and theirmorphology, crystal structure and magnetic properties. Journal of the Electrochemical Society 163 (3): D83-D94.

2.Ababei, G; Olariu, CS; Lupu, N; Chiriac, H. 2015. Left-handed metastructures with selective frequency transmission window for gigahertzshielding applications. JOURNAL OF APPLIED PHYSICS 117 (17): art. No. 17A502.

3. Chiriac, H.; Radu, E.; Tibu, M.; et al., Fe-Cr-Nb-B ferromagnetic particles with shape anisotropy for cancer cell destruction by magneto-mechanical actuation SCIENTIFIC REPORTS Volume: 8 Article Number: 11538 Published: AUG 1 2018

4.Chiriac, H; Corodeanu, S; Donac, A; Dobrea, V; Ababei, G; Stoian, G; Lostun, M; Ovari, TA; Lupu, N. 2015. Influence of cold drawing on themagnetic properties and giant magneto-impedance response of FINEMET nanocrystalline wires. JOURNAL OF APPLIED PHYSICS 117(17): art. No. 17A314.

5. Alam, J.; Bran, C.; Chiriac, H.; et al., Cylindrical micro and nanowires: Fabrication, properties and applications, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 513 Article Number: 167074 Published: NOV 1 2020

The mentioned doctoral supervisors have international visibility, highlighted also by the number of citations from the last 5 years. (as seen from A.3.1.1.).

1.Prof. dr. habil. Dorina Creanga

Member in scientific committees of international conferences -ICPAM12-2018/Creta, Grecia, ICPAM11-2016/Iasi, Romania, ICPAM10-2014/Iasi, Romania

2.Prof. dr. habil.Lucel Sirghi

-International conference on Global Research and Education Inter-Academia, membru in comitetul stiintific 2016, 2017, 2018.

-International conference on Global Research and Education Inter-Academia 2017, co-chair.

-Editor, RECENT GLOBAL RESEARCH AND EDUCATION: TECHNOLOGICAL CHALLENGES, Springer 2017

-18th INTERNATIONAL CONFERENCE ON PLASMA PHYSICS AND APPLICATIONS CPPA 2019, Iasi, 2019, Chair Person, Lucel Sirghi, https://www.plasma.uaic.ro/cppa2019/

-18th International Conference On Global Research and Education, Inter-Academia 18th, Budapest, 2019, http://interacademia2019.trivent.hu/committees/

3.Prof. dr. Diana Mardare (Annex 26)

-Evaluating member APELLA: COMPETITION profesor Position ID: 00000400437,Univ.Patras Grecia,School: SCIENCES, Department: PHYSICS)

- Member in scientific committee National Book Salon Jury, European Exhibition of Creativity and Innovation, Euroinvent -- http://www.euroinvent.org/committees/jury/la toate conferintele anuale: 2015-2020

- Member in scientific committee 6th edition of European Exhibition of Creativity and Innovation, Euroinvent -- http://www.euroinvent.org/committees/scientific-committee/ la toate conferintele anuale: 2015-2017

- Guest Editor la revista MATERIALS (cotata Web of Science): special isssue: TiO2 Thin Films. Applications https://www.mdpi.com/journal/materials/special_issues/tiO2_thin_film

- **Coordinator** scientific committee Conferința Școlilor Doctorale din Consorțiul Universitaria,domeniul Fizica 22-23.10.2020 (https://profs.info.uaic.ro/~CSDCU_MIF2020/index.php/comitet-stiintific/) Iasi -online

- Member in organizing committees *WORLD CONGRESS ON Materials Science AND ENGINEERING (online event) Conferences Prague| CZECH REPUBLIC*, 24-25 AUGUST 2020 https://materialsscience.heraldmeetings.com/organizing-committee

- Membru comisie de acordare a titlului de „Doctor Honoris Causa" al Univ. Tehnice „Gheorghe Asachi" din Iasi pt. Prof. Dr. Xianyi Zeng de la Ecole Nationale Superieure des Artes et Industries Textiles, Roubaix, France-5.03.2019

4.Prof. dr. Caltun Ovidiu

-Membru in colective de redactie ale unor reviste publicate in strainatate:
SERBIAN JOURNAL OF ELECTRICAL ENGINEERING – Editorial board

-Membru al Comisiilor de acordare a titlurilor de doctor - Teze in EGIPT:

1. (2015) Physical properties of nano-ferroelectric piezoelectric materials, Ali Magdy Ali Dorgham, Faculty of Science, Physics Department, Tanta University

2. (20170 Effect of Some Additives on The Electrical Properties of Lead Titanate Ceramics, Reham El morsy Aly Shady, Solid State Physics Department, Tanta University, Faculty of Science, Physics Department

3. (2018) Physical properties of nano-ferroelectric, piezoelectric materials, Ali Magdy Ali Dorgham, Faculty of Science, Physics Department, Tanta University

-Membru al Comisiilor de acordare a titlurilor de doctor - Teze in INDIA

1. (2016) “Structural, Magnetic and Electrical Investigations on Antimony and Niobium doped Nanocrystalline Nickel Zinc Ferrites” Ch. S. Lakshmi Andhra University, Visakhapatnam, INDIA
2. (2016) Structural, magnetic and electrical properties of Ni-Zn-Mg & Ni ceramic , D. R. S. GANGA SWAMY Andhra University, Visakhapatnam INDIA
3. (2016) Structural, morphological, magnetic and electrical field response studies in antimony and niobium doped nano-crystalline manganese zinc ferrites, CH.S.L.N.Sridhar, Andhra University, Visakhapatnam, INDIA
4. (2016) Development of single domain and superparamagnetic cobalt ferrite nanoparticles; effect of ni/mg/zn on structural and magnetic properties in relation to biomedical applications, K. SRINIVASA RAO, Andhra University, Visakhapatnam, INDIA
5. (2017) Measurement of Ultrasonic Velocity, Viscosity, Density and the Study of Related Parameters in Certain Liquid Mixtures and Comparison with Theoretical Values, Vysyaraju Sravanti, Andhra University College of Science and Technology, Visakhapatnam, INDIA
6. (2017) Accurate Pseudorange Error Modelling for Precise GPS based Navigation Applications, Bharati Bidikar, Department of Electronics & Communication Engineering

   Andhra University College of Engineering Andhra University, Visakhapatnam, INDIA
7. (2017) Hybrid PMPR Reduction Techniques for LTE-OFDM Systems, Sri Sudha Tungan, Department of Electronics & Communication Engineering University College of Engineering Andhra University, Visakhapatnam, INDIA
8. (2017) 3G/4G Wireless Mobile Channel Modeling for Indian, Urban Canyons and its Performance Analysis, Lavanya Vadda, Department of Electronics & Communication Engineering, University College of Engineering, Andhra University, Visakhapatnam INDIA
9. (2018) A Systematic Study of Cr Substituted Copper-Cobalt Nano Ferrites, Munakala Sushmareddi, Department of Physics, College of Science and Technology, Andhra University Visakhapatnam, INDIA
10. (2018) Influence of In/Cr substitutions on the properties of Ni-Zn ferrites, M. Ravi Kanth, Department of Physics, College of Science and Technology, Andhra University, Visakhapatnam, INDIA
11. Teza No. T(2)/9153/2021,F1, “STUDY OF MOLECULAR INTERACTIONS WITH THERMOACOUSTIC AND SPECTROSCOPIC INVESTIGATION IN CERTAIN BINARY AND TERNARY LIQUID MIXTURES” by Ms. V. S. LAKSHMIAPARNA PATOJU, ANDHRA UNIVERSITY,VISAKHAPATNAM, ANDHRA PRADESH,INDIA
12. Teza No. T(2)/8782/2019,F3, “SPECTROSCOPIC AND MOLECULAR INTERACTION STUDIES IN CERTAIN BINARY LIQUID MIXTURES WITH TEMPERATURE VARIATION AND COMPARISON WITH THEORETICAL VALUES” by Sri PRAVEEN BABU CH., ANDHRA UNIVERSITY,VISAKHAPATNAM, ANDHRA PRADESH,INDIA
13. TezaNo. T(2)/9007/2020,F6“DEVELOPMENT OF CNN BASED DEEP LEARNING METHODS FOR PRECISE ANALYSIS OF CARDIAC ARRHYTHMIAS” by Ms. DEVI PRIYA KOLA, ANDHRA UNIVERSITY,VISAKHAPATNAM, ANDHRA PRADESH,INDIA

14. TezaNo. T(2)/9038/2020,F1, “PRECISE 3D VISUALIZATION OF MRI BRAIN TUMORS” by Sri CHINTADA RAJASEKHARARAO 29.06.2020, ANDHRA UNIVERSITY,VISAKHAPATNAM, ANDHRA PRADESH,INDIA

15. Teza"QoS/QoE BASED PERFORMANCE EVALUATION OF RADIO RESOURCEMANAGEMENT TECHNIQUES FOR THE NEXT GENERATION WIRELESS LANs".>by DASARI SRINIVASA RAO 11.03. 2020 VIT University,Chennai India

16. TezaNo.T(2)/8931/2019,F1 “SPECTRUM AND ENERGY EFFICIENCY IMPROVEMENT LGORITHMS FOR 5G CELLULAR NETWORKS” by Sri BABJI PRASAD CHAPA 2.01.2020, ANDHRA UNIVERSITY,VISAKHAPATNAM, ANDHRA PRADESH,INDIA

17. TezaNo. T(2)/8823/2019,F5“SYNTHESIS AND CHARACTERIZATION OF Ce AND Mg, PARTIALLY AND Co-SUBSTITUTED COBALT FERRITE NANOMATERIALS by SriTULU WEGAYEHU MAMMO 15.11.2019, ANDHRA UNIVERSITY,VISAKHAPATNAM, ANDHRA PRADESH,INDIA

18. TezaT(2)/8804/2019,F3“INVESTIGATIONS ON STRUCTURAL, ELECTRICAL AND ELECTROCHEMICAL PROPERTIES OF Al3+, Nb5+, Co3+, Fe3+, Cr3+, Mn4+ and La, Fe Co-substituted LiTi2(PO4)3 Electrolyte Materials for Lithium ion Batteries” has been submitted by Sri KOTESWARARAO MEKALA11.09.2019, ANDHRA UNIVERSITY,VISAKHAPATNAM, ANDHRA PRADESH,INDIA

19. TezaT(2)/8782/2019, F3“SPECTROSCOPIC AND MOLECULAR INTERACTION STUDIES IN CERTAIN BINARY LIQUIDMIXTURES WITH TEMPERATURE VARIATION AND COMPARISON WITH THEORETICALVALUES” bySri PRAVEEN BABU CH. 19.08.2019, ANDHRA UNIVERSITY,VISAKHAPATNAM, ANDHRA PRADESH,INDIA

20. Teza“STRUCTURAL, OPTICAL AND ANTIBACTERIALACTIVITY STUDIES OF METAL OXIDE NANOPARTICLES” by SriPRATHIPATI J. C. SAMRAT, 03.01.2019, ANDHRA UNIVERSITY,VISAKHAPATNAM, ANDHRA PRADESH,INDIA

-Membru al Comitetului Stiintific al unor Conferinte internationale

5TH INTERNATIONAL CONFERENCE ON ELECTRICAL, ELECTRONIC AND COMPUTING ENGINEERING ICETRAN 2018 and 62RD NATIONAL CONFERENCE OF THE SOCIETY FOR ELECTRONICS, TELECOMMUNICATIONS, COMPUTERS, AUTOMATIC CONTROL AND NUCLEAR ENGINEERING ETPAH 2018, PALIC, SERBIA, JUNE, 2018

5.Prof. dr. Dumitru Luca

1. Membru al *Executive Committee* al Consortiului international Inter-Academia (12 universitati din Japonia si Europa).

2. Membru al Comisiei inter-guvernamentale Romania – IUCN Dubna (Rusia).

6.Prof. dr. Maricel Agop

1. Editor sef la *Buletinul Institutului Politehnic Iasi,* Sectia Matematica, Mecanica si Fizica, Universitatea Tehnica „Gheorghe Asachi” din Iasi, ISSN: 1224-7863, IF: -, aparitie trimestriala

2. Journal of Engineering Studies and Research, Universitatea „Vasile Alecsandri” Bacau, ISSN: 2068-7559, IF: - (membru in comitetul de redactie)

7.Prof. dr. habil. Cristian Enachescu

-Membru comisii de teza in strainatate:
Sylvain Rat, Universite de Toulouse, Franta, 11 decembrie 2017
Teresa Delgado, Universite de Geneve, Elvetia, iunie 2017
Catalin Jureschi, Universite de Versailles, Franta, 2016
Jerome Laisney, Universite Paris Sud, Franta, 2015

-Conferinte invitate in strainatate:
Cristian Enachescu, Phase Transition and Dynamical properties of Spin Transition Materials, Gandia, Spania, 2016 (Invitat) http://www.icmol.es/PDSTM2016/program.php?menu=program
Cristian Enachescu, International symposium on Ultrafast Control of materials, Rennes, Franta, 2018 (Invitat) https://ucm2018.sciencesconf.org/resource/page/id/6

8.Prof.dr. Tudor Luchian
-Scientific evaluator Fulbright Romania
-Scientific evaluator Austrian Science Fund (FWF)
-Scientific evaluator National Science Foundation (USA)
-Editorial Board Member for Scientific Reports, a journal from Nature Publishing Group (2016)
-Advisory Editor for European Biophysics Journal (2017)
-Member in the 'Management board' of Institutului Național de Cercetare-Dezvoltare pentru Fizică Tehnică - IFT Iaşi (2016)

9.Prof.dr. Stancu Alexandru
-Membru in Administration Committee al IEEE Magnetics Society (2015-2017)
Presedinte al IEEE Magnetic Society Chapter – Romania Section (2014-2018)
-Editor al IEEE Magnetics Letters
https://ieeexplore.ieee.org/xpl/aboutJournal.jsp?punumber=5165412
-2018 INTERMAG Singapore – membru Publication Committee
http://www.magnetism.org/images/docs/Intermag2018_Program_Booklet_Complete_FINAL.pdf
-2018 AIM Thuile Italy- Membru Programme Committee
http://www.aim2018.it/index.php?option=com_content&view=article&id=49&Itemid=61
-2018 MURPHYS Barcelona Spain – Membru Scientific Program Committee
http://www.crm.cat/en/Activities/Curs_2017-2018/Pages/MURPHYS-HSFS-2018.aspx
-2017 MMM Pittsburgh USA – Membru Publication Committee & Program Committee
http://www.magnetism.org/images/docs/mmm_conference_2017.pdf
-2017 INTERMAG Dublin Ireland - Membru Publication Committee
http://www.magnetism.org/images/docs/intermag_2017.pdf
-2016 FORC Workshop New Orleans USA – co-chairman
http://forc.uaic.ro/
-2016 MURPHYS Barcelona Spain – Membru Scientific Program Committee
http://www.crm.cat/en/Activities/Curs_2015-2016/Pages/MURPHYS.aspx
-2016 AIM Bormio Italy- Membru International Steering Committee
-2015 ANMM Iasi – Membru International Programme Committee

http://www.phys-iasi.ro/anmm2015/Committees2015.htm
-2015 HMM Iasi – General Chairman
http://hmm2015.uaic.ro/comittees.html
-

10. Prof.dr. Liliana Mitoseriu (Annex 26)

-Prezentare Plenara la conferinta16th European Inter-regional Conference in Ceramics CIEC16 – Torino, 2018 : “Size and scaling effects in ferroelectric ceramics. A tribute to Paolo Nanni”V. Buscaglia, M.T. Buscaglia, Liliana Mitoseriu, invited plenary
- Prezentare Invited conferinta Electroceramics XVI, Hasselt, Belgium, July 2018:
“Local field engineering for tailoring electrical properties in ferroelectric-metallic particles composites”, L. Padurariu, L. Curecheriu, C. Ciomaga, M. Airimioaei, I. Turcan, A. Lukacs &Liliana Mitoseriu(invited lecture - Symp. C Theory and Modelling: IL-3C.01).
- Profesor invitat:Inviting Professor of University of Artois, Unité de Catalyse et de Chimie du Solide, Lens, France: 16-04 to the 23-04-2018
-Membru în comitetul științific -7th International Congress of Ceramics ICC7, 2018: https://www.icc7.com.br/icc7.html
-Membru evaluator comisie internationala sustinere doctorat: Yogesh Kumar, Indian Institute of Technology Roorkee, India (2019)
-Membru în echipa editoriala a jurnalului: Processing and Applications of Ceramics (jurnal cotat ISI-WoS – zona Q2): https://www.tf.uns.ac.rs/publikacije/PAC/editorialboard.html, starting with 2007.
-Co-chair of TOPIC 6. Ceramics for electro-magnetic and optical applications at 14th International European Ceramic Society ECERS Conference Toledo, Spain (2015);
-Member of International Advisory committee of Electroceramics conferences from 2004 till now

11.Prof.dr. habil. Liviu Leontie

1. Advisory Committee
International Conference on Materials and Environmental Science [ICMES-2018]
December 07- 08, 2018; Shivaji University, Kolhapur Maharashtra, India.
https://www.icmes.in/
2. Advisory Editor (2014-2017)
Journal of Advanced Research in Physics (JARP)
3. Advisory Editor
Studia Universitatis Moldaviae - revista stiintifica a USM, de categoria B, inclusa in Registrul national CNAA
http://studiamsu.eu
Stiinte exacte si economice
ISSN online 2345-1033
http://studiamsu.eu/stiinte-exacte-si-economice/
4. L. Leontie,Thin films and related structures of oxide and III−VI group semiconductors. Optoelectronic and energy applications.*Internet lecture UAIC-Shizuoka University*, Iasi, 10 june 2016.
5. Holon Institute of Technolohy (H.I.T.) Physics Seminar talk, Holon, May 18, 2017 Presenter: Liviu Leontie

Prof. Habil., Faculty of Physics and Integrated Center for Studies in Environmental Science for Northeast Region (CERNESIM), Alexandru Ioan Cuza University of Iasi, Title: Thin films and related structures of oxide and layered III−VI group semiconductors. Optoelectronic and energy applications.

6. Special lecture, Layered III−VI group semiconductors and related structures, within Graduate School of Science and Technology (GSST), Research Institute of Electronics (RIE), Shizuoka University, 8 March 2018.

Editor, Membru în echipa editorială la

1. FRONTIERS IN SPACE TECHNOLOGIES-Advanced Space Propulsion
Review Editor
https://loop.frontiersin.org/people/867514/overview
2. Algerian Journal of Research and Technology (AJRT)
http://www.ajrt.dz/Editorial.html
3. Studia Universitatis Moldaviae - revista științifică a USM, de categoria B, inclusa în Registrul național CNAA, Științe exacte și economice, ISSN online 2345-1033.
Științe Exacte și Economice | Studia Universitatis Moldaviae (studiamsu.eu)

Member of the international doctoral thesis defense committee:

1. Comisia doctorală Sanae Janati Edrissi, Faculté des sciences Dhar El Mehraz, Université Sidi Mohamed Ben Abdellah, Fès (Maroc), 19 Iunie 2019.

12. Prof. dr. habil. Laurentiu Stoleriu (Annex 26)

- 2016, lucrare invitata la TIM 15-16 Conference, 2016, Timisoara, Romania: L. Stoleriu, A. Stancu, C. Enachescu, ”Modeling spin crossover compounds – from quasistatic hysteresis to femtosecond elastic response”.
- 2016 lucrare invitata la CNFA Conference, 2016, Iasi, Romania: L. Stoleriu, A. Stancu, C. Enachescu, ”The mechano-elastic model for spin crossover compounds”.
- 2018, professor invitat la Washington and Lee University, Virginia, SUA – prezentare cu titlul ”Modeling physical processes: how simple is not too simple? The spin-crossover materials test case”
- 2018, cercetator invitat la IMEC, Leuven, Belgia – conferinta cu titlul ”FORC diagram technique – highlights and limits”
-Guest Editor Physica B
- Head of Publication Committee Conferința HMM2019 Heraklion, Grecia.

13.Prof. dr. Felicia Iacomi

- Plenary presentations at international conferences:

1.F. Iacomi, Conductive thin films for transparent electronics, The 20th Takayanagi Kenjiro Memorial Symposium and The 4th International Conference on Nano Electronics Research and Education (ICNERE), Hamamatsu, 2018.

2.F.Iacomi, - Functional hybrid nanocomposites, ICN:3I-2017, Roorkee, India, 2017

- Invited presentations at international conferences e:

1.F. Iacomi, Studies on some iron oxide nanoparticles, nanocomposites and thin films for advanced application, SANS_YUMO 2016, Dubna, Russian Federation.

2.F. Iacomi: Oxide Thin Films for Optoelectronic and Spintronic Devices, EMN Meeting on Optoelectronics, 2015, Beijing, China.

General Chair -International Conference on Physics of Advanced Materials (ICPAM) si Autumn School on Physics of Advanced Materials (PAMS), editiile ICPAM-9, ICPAM-10, ICPAM-11, ICPAM12 si PAMS-1, PAMS-2, PAMS-3 (www.icpam.ro)

- Editor pentru volumele speciale dedicate ICPAM publicate in reviste internationale
1..Materials Today: Proceedings, 2 (6) 2015;
2.Applied Surface Science, 352, 2015;
3.Applied Surface Science 424 (2017)
4.Materials Today: Proceedings 5 (2018)
5.ICPAM 11, Thin Solid Films 651 (2018)

- Member of the doctoral thesis defense committee la Universitatea De Montford, Leicester, 2018.
- External evaluator of doctoral theses – Faculty of Science, Cairo University, Giza, Egipt
- Visiting professor la Shizuoka University in perioada Octombrie-Decembrie 2018.

Conf. dr. habil. Silviu GURLUI

3. **S. Gurlui**, Associate Editor for Advanced Space Propulsion Frontiers in Space Technologies, https://loop.frontiersin.org/people/902074/overview
4. **S. Gurlui**, Invited Speaker - The 3rd International Workshop Advances on Photocatalysis including Environmental and Energy Applications AdvPhotoCat-EE 2021https://photocatalysis-workshop.eu/invited-speakers/
5. **S. Gurlui,**International organizing committee, The 3rd International Workshop Advances on Photocatalysis including Environmental and Energy Applications AdvPhotoCat-EE,https://photocatalysis-workshop.eu/organizers/
6. **S. Gurlui,** Keynote Speakers, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH, ICIR. Euroinvent 2018

Prof.dr.Horia Chiriac (pensionat)

Membru al asociatiilor profesionale:
- membru al Societatii Române de Fizica,
- membru al Societatii Europene de Fizica (EPS),
- membru al Societatii Europene de Magnetism (E-MAG),
- membru al Japan Institute of Metals,
- membru al American Physical Society,
- membru al American Association for the Advancement of Science,
- membru al Materials Research Society.
- Fellow IEEE Society din 2011,
- 1992-1994 - Profesor invitat - Universitatea “Alexandru Ioan Cuza” Iasi, Facultatea de Fizica, curs special “Fizica Materialelor Amorfe”,
- 1994-1996 - Profesor asociat - Universitatea “Alexandru Ioan Cuza” Iasi, Facultatea

de Fizica, curs "Fizica si Tehnologia Materialelor Speciale",
- 1997-2004 - Profesor asociat - Universitatea "Alexandru Ioan Cuza" Iasi, Facultatea de Fizica, curs "Materiale Feromagnetice Cristaline si Amorfe",
- 1990-prezent - Conducator de doctorat la Universitatea "Alexandru Ioan Cuza" Iasi (Conducator stiintific a 22 teze de doctorat)
Acceptat în grupul de evaluatori al Comisiei Europene pentru evaluarea proiectelor de cercetare-dezvoltare din cadrul PC5, PC6 si PC7,
Evaluator granturi CNCSIS, proiecte din cadrul PNCDI I, CEEX, PN II, granturi internationale.

(Indicator * A.3.2.2. Doctoral field accreditation) At least 50% of the doctoral supervisors assigned to a field of doctoral studies continue to be scientifically active, obtaining at least 25% of the score required by the minimum CNATDCU standards in force at the date of assessment, necessary and mandatory for obtaining the certificate of qualification, based on the scientific results of the last five years.

Minimum standards CNATDCU: A=2, I=4, P=4, C=40, h=10, T=A+P/2+I/2+C/20+h/5=12

Requirement : 25% x 12=3.
From the table below it can be seen that this value (3) is exceeded by 18 from the 19 PhD supervisors – (Annex 23). CRITERION FULFILLED!

Nr	Name	Period 2016-2020					
		A	I	P	C	h	TOTAL
1	Maricel Agop	7.5403	4.9767	21.224	48.8058	27	28.48094
2	Gabriela Borcia	2.736	0.29	1.08	95	18	11.771
3	Ovidiu Florin Călțun	0.4326	0.401	0	153.281	25	13.29715
4	Dorina Creangă	0.34	1.203	1.965	78.31	13	8.4395
5	Ciprian Dariescu	0.18	3.68	9	29.75	8	9.6075
6	Marina Aura Dariescu	1.46	3.58	19	28.5	8	15.775
7	Nicoleta Dumitrașcu	0	1.071	0.243	63.528	14	6.6334
8	Felicia Iacomi		1.159	0.767	73.092	16	7.8176
9	Cristian Enăchescu	2.06	5.165	8.334	148.461	28	21.83255
10	Liviu Leontie	0.613	2.02	2.88	79.17	18	10.6215
11	Dumitru Luca					15	
12	Tudor Luchian	1	6.525	14.768	74.609	15	18.37695
13	Diana Mardare	0.037	0.3627	2.377	148.95	22	13.25435
14	Liliana Mitoșeriu	7.22	5.06	16.62	424.89	36	46.5045
15	Maria Neagu	0	0.048	0	7.949	9	2.22145
16	Lucel Sîrghi	2.1898	2.565	6.65	94.72	20	15.5333
17	Alexandru Stancu	0.81	6.121	0.607	269.886	29	23.4683
18	Laurentiu Stoleriu	1.5	3.564	1.382	99.97	18	12.5715

19	Silviu Gurlui	24.727	2.57	2.978	26.923	19	32.64715
	Dana-OrtansaDorohoi	1.6238	2.0464	3.097	83.1976	8	9.95538

4.2. EDUCATIONAL EFFECTIVENESS

4.2.1.Number, quality and diversity of candidates who applied for the admission competition

(Standard B.1.1. Doctoral field accreditation) The institution organizing doctoral studies has the capacity to attract candidates from outside the higher education institution or in greater numbers than the number of places financed from the state budget. (Indicator * B.1.1.1. Doctoral field accreditation) The ratio between the number of master's degree graduates of other higher education institutions in the country or abroad who have registered for the competition for admission to doctoral studies in the last five years and the number of places financed from the state budget put up for competition in the field of doctoral studies is at least 0.2 or the ratio between the number of candidates in the last five years and the number of places financed from the state budget put up for competition under the field of doctoral studies is at least 1.2.

	2020-2021	2019-2020	2018/2019	2017/2018	2016 /2017	2015/2016
No. of admission places	11	8	9	11	12	10
No. of PhD students in places financed from the budget **-total: 57**	9 + 1cu bursa RM	8	8	11	11 + 1cu bursa RM	10
No. of PhD students from other univeristies/ studenti din alte univ/ abroad **-total:14**	3 1.**Hrib Andrei** UT Gh. Asachi IS 2. **Leș Anda** UBB Cluj-Napoca 3. **Rotundu Ana-Maria căs. Botezatu** Univ. din Bacău	3 1.**Astăcioaie Maria căs. Diaconu** Univ. București 2. **Minuti Anca-Emanuela** UMF IS 3. **Surdu Cristina căs. Stavilă** UMF IS	0	2 **1.Hlenschi Costica** UT Gh. Asachi IS 2. **Enescu Florin** UT Gh. Asachi IS (taxa)	4 1.**Cocean Iuliana** UT Gh. Asachi IS 2.**Nedelcu Ovidiu-Mihai,** UMF IS 3.**Radu Ecaterina** UMF IS 4. **Vrabii Ion** Univ de Stat Chisinau, Moldova	2 1.**Cogianu Daniel** UT Gh. Asachi IS 2.**Tanasa Georgiana** UMF IS
No. of candidates **-Total: 71**	15	9	9	14	14	10

14/57=0.24>0.2

71/57=1.25>1.2

CRITERION FULFILLED!

(Standard B.1.2. Doctoral field accreditation and B.1.1 SD) Candidates admitted to doctoral studies demonstrate academic, research and professional performance / Candidates admitted to doctoral studies are of the highest quality and are diversified as gender representation and social. (Indicator * B.1.1.1. SD accreditation and * B.1.2.1. Doctoral fields) Admission to doctoral study programs is based on selection criteria that include: previous academic, research and professional performance of candidates, their interest in scientific or artistic / sports research, publications in the field and a research topic proposal. An interview with the applicant is a mandatory part of the admission procedure. 1.2.

As can be seen from the information presented on the SDF website https://www.phys.uaic.ro/index.php/scoala-doctorala/admitere-doctorat/ the topic of doctoral admission includes, in addition to topics proposed by each doctoral supervisor, also subjects of general physics, thus ensuring the existence of basic knowledge in physics. The entrance exam includes, in addition to the written test (from the subjects mentioned above) and an oral test conducted in the form of an interview, in which candidates present: the current state of research in the chosen field, motivation for choosing the topic they proposes for the doctoral thesis, previous scientific results. **CRITERION FULFILLED!**

(Indicator B.1.2.2. Doctoral field accreditation) The expulsion rate of doctoral students, including after dropping out of studies, 3 years after admission, does not exceed 30%.

Nr. crt.	**Admission year**	**Name of doctoral student**	**Ex-matriculation decision**	**Ex-matriculated students 3 years after admission**
1	1.10.2010	OJICĂ N. SILVANA	Nr. 15/28.07.2017	-
2	1.10.2012	DIACONESCU A. CĂTĂLINA CARMEN, căs. CIOBANU	Nr. 16/28.07.2017	-
3	1.10.2012	FILOTE D. ȘERBAN	Nr. 17/28.07.2017	-
4	1.10.2013	BULARDA D. GEORGIAN –VALENTIN	Nr. 18/28.07.2017	
5	1.10.2013	DĂNILĂ N. MIHAIL – NICOLAE	Nr. 19/28.07.2017	
6	3.10.2016	VRABII L. ION (R. Moldova)	Nr. 20/28.07.2017	Da
7	1.10.2011	PRICOP C. MIHAI	Nr. 51/04.02.2018	-
8	1.10.2013	PRODAN A.I. ANA-MARIA	Nr. 52/04.02.2018	-
9	1.10.2014	STAVARACHE I. IOAN –EMANUEL	Nr. 53/04.02.2018	-
10	1.10.2015	ALBINĂ C. BOGDAN	Nr. 54/04.02.2018	Da
11	1.10.2015	COGIANU G. DANIEL	Nr. 55/04.02.2018	Da
12	1.10.2012	CHIRAP I. IONUȚ	Nr. 46/20.11.2019	-
13	1.10.2012	HRIB M. ANDREI	Nr. 47/20.11.2019	-
14	1.10.2012	ROTARU ADINA-SIMONA, căs. BÎRGĂOANU	Nr. 48/20.11.2019	-
15	1.10.2012	STEIGMAN A.C. ROZINA	Nr. 49/20.11.2019	-

16	1.10.2014	GRECEA J. CONSTANTIN	Nr. 50/20.11.2019	-
17	1.10.2016	DINU N. RADU-CODRIN	Nr. 51/20.11.2019	-
18	1.10.2016	NEDELCU M.C. OVIDIU-MIHAI	Nr. 52/20.11.2019	-

Admission year	Enrolled doctoral students	No of ex-matriculated students 3 years after admission
2015-2016	**10**	**2**
2016-2017	**12**	**1**
2017-2018	**11**	**0**
2018-2019	**9**	**0**
2019-2020	**8**	**0**
Total	**50**	**3**

Se observa ca 6% din cei 50 de doctoranzi inscrisi au fost exmatriculati la 3 ani de la admitere–CRITERIU INDEPLINIT!

4.2.2. The content of doctoral university study programs

(Standard B.2.1. Accreditation doctoral fields and SD) The training program based on advanced university studies is adequate to improve the research skills of doctoral students and to strengthen ethical behavior in science. (Indicator B.2.1.1. Accreditation for doctoral and SD fields) The training program based on advanced university studies includes at least 3 disciplines relevant for training in scientific research of doctoral students, of which at least one discipline is intended for in-depth study of research methodology and / or or statistical data processing.

In each of the last 5 years, 6 specialized courses have been taught, and since the university year. In 2017-2018, a 7th course entitled "Methodology and ethics of scientific research" was introduced. From the univ. year 2018-2019, this course was replaced, according to the requirements, with “Ethics and academic integrity (Annex 27i), (https://www.phys.uaic.ro/index.php/scoala-doctorala/planuri-invatamant-doctorat/

(Indicator B.2.1.2. Accreditation of doctoral and SD fields) There is at least one discipline dedicated to ethics in scientific research and well-defined intellectual or thematic property on these subjects within a discipline taught in the doctoral program.

Doctoral fields	Discipline from the plan discipline	Relevance to ethics in scientific research	Relevance for research methodology / data statistics
FIZICA	Topical problems in magnetism	-	-
	Special chapters of theoretical physics	-	-
	Investigation techniques for the study of molecular structures	-	-
	Advanced materials for functional applications	-	-
	Electrical properties of the materials	-	-

	Applications of plasma and laser radiation in medicine and environment science	-	-
	Ethics and academic integrity	**yes**	**yes**

(Indicator B.2.1.3. Accreditation of doctoral and SD fields) IOSUD has created mechanisms to ensure that the training program based on advanced university studies, related to the evaluated field, aims at "learning outcomes", specifying knowledge, skills and responsibility and autonomy which doctoral students should acquire after completing each discipline or through research activities.

The courses within the PPUA have been held by two or more doctoral supervisors in the field. Holders draw up discipline sheets (Annex 27i) which make specific references to the knowledge, research skills, responsibility and autonomy acquired by doctoral students following their promotion, there are mechanisms for evaluating the files of the disciplines (Annex 28; Annex 7).

(Indicator B.2.1.4. Field accreditation) Throughout the doctoral training period, doctoral students in the field benefit from the counseling / guidance of some functional guidance commissions, aspect reflected by guidance and points of view expressed in writing or regular meetings.

During this period, 41 students completed their doctoral studies (7 in 2019-2020), and 53 are enrolled in the 2019-2020 academic year.
Students in the evaluation period (1 Oct 2015 -1 Oct 2020: 87 PhD students

There are publications or presentations at scientific events of doctoral students, shared with at least one of the members of the guidance commission, which proves the collaboration of doctoral students with the members of the traveling commission. In addition there are points of view expressed in writing (an example is given in Annex 29). Guidance commissions can be consulted in Annex 30.

We selected a number of 22 PhD students (25%), presenting below the evidence of this collaboration.

1) E.V. Gafton (completed, registered in 2013), Guidance Commission:A. Stancu, I. Dumitru, I. Astefanoaei
- E.V. Gafton, G.A. Bulai, I. Dumitru, O.F. Caltun, S. Cervera, M. Trassinelli, D. Vernhet, 5-10 Iulie, 2015: 20th International Conference on Magnetism ICM, Barcelona, Structural and magnetic properties of zinc ferrite thin films irradiated by slow highly charged ions – poster

2) **Mihu Denisa(completed, registered in 2014), Guidance Commission: C. Dariescu, I. Stelea, I. Astefanoaei**
-Parametric induced instabilities of magnetars crust, Marina–Aura Dariescu, Denisa–Andreea Mihu, Ciprian Dariescu, - Conferinta Stiintifica Internationala "Mathematical Modelling, Processes and Systems", 13- 16 Decembrie 2017, Borovets, Bulgaria (prezentare orala), Conference Proceedings, ISSN 2535-0978, pgs. 16-20.

- Spatially – Flat Robertson – Walker Models with combined ΛCDM and stiff matter sources and the corresponding thermodynamics, Marina–Aura Dariescu, Denisa–Andreea Mihu, Ciprian Dariescu, Romanian Journal of Physics, 62, Nr. 1-2, 101 (2017)

3) Gabriel Oanca(completed, registered in 2014), Guidance Commission: D. Creanga, D. Dimitriu, S. Gurlui

-Gabriel Oanca, Jernej Stare, Antonina Gritco Todirascu, Dorina Creanga, Dana Ortansa Dorohoi, Substituent Influence on the Spectra of Some Benzo[f]quinoline Derivatives, Journal of Molecular Structure, 1126, 2016, 158–164

4) **Cipriana Padurariu(completed, registered in 2014), Guidance Commission: L. Curecheriu, F. Ghiorghiu, C. Ciomaga**

- Tailoring the functional properties of PLZT-BaTiO3 composite ceramics by core-shell approach, Curecheriu, Lavinia-Petronela; Buscaglia, Maria Teresa; Maglia, Filippo; Cipriana Padurariu, Gabriela Ciobanu, Umberto Anselmi-Tamburini, Vincenzo Buscaglia, *and* Liliana Mitoseriu, JOURNAL OF APPLIED PHYSICS Volume: 121 Issue: 14 Article Number: 144101 Published: APR 14 2017

-Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZTN ceramics, Padurariu, Cipriana; Padurariu, Leontin; Curecheriu, Lavinia; et al., CERAMICS INTERNATIONAL Volume: 43 Issue: 7 Pages: 5767-5773 Published: MAY 2017

5) **R. Jijie (completed, registered in 2013), Guidance Commission: D. Luca, G. Borcia, I.Topala**

- Jijie, Roxana;Barras, Alexandre;Teslaru, Teodora;Topala, Ionut;Pohoata, Valentin;Dobromir, Marius;Dumych, Tetiana;Bouckaert, Julie;Szunerits, Sabine, Dumitrascu, Nicoleta, Aqueous medium-induced micropore formation in plasma polymerized polystyrene: an effective route to inhibit bacteria adhesion, JOURNAL OF MATERIALS CHEMISTRY B, vol. 6, pg. 3674-3683, 2018.

6) **O.Cojocaru (cas Rusu)(completed, registered in2014), Guidance Commission: D. Mardare, F. Brinza, S. Gurlui**

- M. M.Cazacu, O. G. Tudose, A. Timofte, O. Rusu, L. Apostol, L. Leontie, S. Gurlui, A case study of the behavior of aerosol optical properties under the incidence of a saharan dust intrusion event, Applied Ecology and Environmental Research, 14 (3) (2016) 183-194.

7) **S.A. Irimiciuc(finalizat, inmatriculat in 2014), Guidance Commission: M.A.Dariescu, S. Gurlui, D.Dimitriu**

- Stefan Andrei Irimiciuc, Georgiana Bulai, Maricel Agop, Silviu Gurlui, Laser ablation plasma diagnosis for PLD thin layer quality control, European Materials Research Society Spring Meeting, 17-22 June 2018, Strasbourg, France

- S. A. Irimiciuc, P. Nica, S. Gurlui, M. Agop, C. Focsa "Electrical Characterization of Femtosecond Laser-Produced Plasma from Various Metallic Targets", European Materials Research Society Spring Meeting, 2-6 May 2016, Lille, France

- Langmuir probe investigation of transient plasmas generated by femtosecond laser ablation of several metals: Influence of the target physical properties on the plume dynamics,SA Irimiciuc, S Gurlui, G Bulai, P Nica, M Agop, C Focsa, Applied Surface Science 417, 108-118(2017)

8) **M. Andries, (completed, registered in 2014), Guidance Commission: D. Creanga, L Mereuta, C. Nadejde**

- Andries,M.; Pricop, D., Oprica, L.,Creanga, D.E., Iacomi, F., The effect of visible light on gold nanoparticles and some bioeffects on environmental fungi, Int. J. Pharmaceut., 505(1-2), 255-261, 2016

9) **E. Puscasu(completed, registered in 2014), Guidance Commission: D. Creanga, L Mereuta, C. Nadejde**

- Puscasu, E., Sacarescu, L., Lupu, N., Grigoras, M., Oanca, G., Balasoiu, M., Creanga, D, Iron oxide-silica nanocomposites yielded by chemical route and sol–gel method, J. Sol-Gel Sci. Technol., 79(3), 457–465, 2016

10) A**. Scripa(completed, registered in2014), Guidance Commission: D. Creanga, D. Dimitriu, S. Gurlui**

- A.E. Scripa (Tudose),D. G. Dimitriu, D.O. Dorohoi, Linear birefringence of polymer foils determined by optical means, J Mol Struc, vol. 1140, p. 67-70, 2017,

11) **CALUGARU V. ANA – CEZARINA, cas. MOROSANU (completed, registered in2014), Guidance Commission:D. Creanga, D. Dimitriu, S. Gurlui**

- A. C. Morosanu, A. Gritco, D. E. Creanga, D. O. Dorohoi, Computational and Solvatochromic study of pyridinium-acetyl-benzoyl-methylid (PABM), Spectrochimica Acta A, 189, 307–315, 2018

12) M.Toma,(grace period, registered in 2014), Guidance Commission:L.Leontie, C. Baban, G. Rusu

-M.Toma, M. Dobromir, D. Timpu, G. Rusu, F. Tudorache, V. Tiron, L.Punga, A. Popa,G. Calin, F. Iacomi, Influence of dopant nature and concentration on functional properties of Ni, Co doped ZnO thin films grown by spin coating, the 12th International Conference on Physics of Advanced Materials, Technological Educational Institute of Crete, Heraklion, September 22-28, 2018 - oral talk

13) Alexandru Cocean (completed, registered in 2015), Guidance Commission:L. Leontie, S. Gurlui, D.Dimitriu

-A. Cocean, V. Pelin, M. M. Cazacua,, I. Cocean, I. Sandu,S. Gurlui,, F. Iacomi, Thermal effects induced by laser ablation in non-homogeneous limestone covered by an impurity layer, Appl. Surf. Sci. (2017), http://dx.doi.org/10.1016/j.apsusc.2017.03.172

- A.Cocean, I.Cocean, M.M. Cazacu, G.Bulai, F.Iacomi, S.Gurlui, Atmosphere self-cleaning under humidity conditions and influence of the snowflakes and artificial light, Applied Surface Science 443 (2018) 83–90, DOI: 10.1016/j.apsusc.2018.02.156

14) A. Bodnarescu(completed, registered in 2013), Guidance Commission: M. Dariescu, M. Agop, I. Astefanoaei

- C. Dariescu, M. A. Dariescu, A. Bodnarescu, *The AdS_5 Warp of Spatially Hyperbolic Universes, Spinless Modes and Spectra and the corresponding Wheeler-DeWitt Schrodinger-like Equation*, International J. of Theoretical Physics 55, No. 2, p. 1116-1127 (2016).

15) **D. Babusca, (completed, registered in 2013), Guidance Commission: D. Creanga, D. Dimitriu, S. Gurlui**

-.A. C. Benchea, D. Babusca, D. G. Dimitriu, D. O. Dorohoi, Quantum-Mechanical Study and Spectral Analysis on Some Derivatives of Rhodamine in Solutions, Spectrochimica Acta A, 172, 91-99, 2017. (AIS=0.391)

-D. Babusca, A. C. Benchea, D. G. Dimitriu, D. O. Dorohoi, Solvatochromic Characterization of Sudan Derivatives in Binary and Ternary Solution, Analytical Letters, 49, (16), 2615–2626, 2016. (AIS=0.197)

16) **I.Dragomir (completed in 2020), Guidance Commission: D. Creanga, L. Mereuta, A. Asandei**

-Alina Asandei, Giovanni Di Muccio, Irina Schiopu, Loredana Mereuta, Isabela S. Dragomir, Mauro Chinappi, Tudor Luchian, Nanopore-Based Protein Sequencing Using Biopores: Current Achievements and Open Challenges, Small Methods, 2020, 1900595, DOI: 10.1002/smtd.201900595

- Isabela S. Dragomir, A. Asandei, A. Ciucă, G. Di Muccio, M. Chinappi, Y. Park, T. Luchian, *Sidedness-Dependence of Current Fluctuations Caused by Serine-Containing Peptides Interacting with the α-HL Nanopore*, The 12th EBSA/The 10th ICBP-IUPAP Biophysics Congress, Biophysics for Life and Technology, Madrid 20-24 July 2019, Spain

17.C. Bucataru (registered in 2018), Guidance Commission:L. Mereuţă, I. Şchiopu, A. Asandei

- Ioana Cezara Bucataru, Isabela S Dragomir, Irina Schiopu, Tudor Luchian, *Nanopore-based Investigation of PNA-DNA Duplexes Unzipping Mechanism,* National Online Conference of Biophysics CNB2020, June 14-16, 2020, online – poster

- Ioana Cezara Bucataru, Isabela S Dragomir, Irina Schiopu, Tudor Luchian, *Studiul influenţei tăriei ionice asupra detecţiei moleculelor de ADN cu ajutorul tehnicii electrofiziologice la nivel de singură moleculă,* Conferinta Scolilor Doctorale din Cadrul Universitatii "Alexandru Ioan Cuza" din Iasi – POCU, October 22-23, 2020, online

18. Benchea G. Andreea – Celia (completed in 2020), Guidance Commission: D. Creangă, D. Dimitriu, S. Gurlui

-A. C. Benchea, D. Babusca, D. G. Dimitriu, D. O. Dorohoi, Quantum-Mechanical Study and Spectral Analysis on Some Derivatives of Rhodamine in Solutions, Spectrochimica Acta A, 172, 91-99, 2017. (AIS=0.391)

- .D. Babusca, A. C. Benchea, D. G. Dimitriu, D. O. Dorohoi, Solvatochromic Characterization of Sudan Derivatives in Binary and Ternary Solution, Analytical Letters, 49, (16), 2615–2626, 2016. (AIS=0.197)

19.Demeter, A (completed in 2019), Guidance Commission:G.Popa, C.Costin, V.Tiron

- Demeter, A; Samoila, F; Tiron, V; Stanescu, D; Magnan, H; Straticiuc, M; Burducea, I; Sirghi, L, Visible-light photocatalytic activity of TiOxNy thin films obtained by reactive multi-pulse High Power Impulse Magnetron Sputtering, SURFACE & COATINGS TECHNOLOGY, 2017, 324 () 614-619, 10.1016/j.surfcoat.2016.10.011, WOS:000406988200072.

-Rudolph, M; Demeter, A; Foy, E; Tiron, V; Sirghi, L; Minea, T; Bouchet-Fabre, B; Hugon, MC, Improving the degree of crystallinity of magnetron-sputtered Ta3N5 thin films by augmenting the ion

flux onto the substrate, THIN SOLID FILMS, 2017, 636 () 48-53, 10.1016/j.tsf.2017.05.033, WOS:000408037800008.

20.GUZU G. ALEXANDRA căs. MAFTEI (completed in 2020), Guidance Commission:L. Curecheriu, F. Ghiorghiu, C. Ciomaga

- Comparative study of magnetoelectric $BaTiO_3$-$Co_{0.8}Zn_{0.2}$ Fe_2O_4 bi-tunable ceramics sintered by Spark Plasma Sintering and classical method, C.E. Ciomaga, Al. Guzu, M. Airimioaei, L.P. Curecheriu, V.A. Lukacs, O.G. Avadanei, G. Stoian, M. Grigoras, N. Lupu, M. Asandulesa, Liliana Mitoseriu, Ceramics International Volume: 45 Issue: 18, Pages: 24168-24175 Part: A (2019) ISI: 3.83 DOI: 10.1016/j.ceramint.2019.08.125

21. COCEAN G. IULIANA (completed in 2020), Guidance Commission:S. Gurlui, D.Creanga,L.Leontie

-Silvia Garofalide, Maria Diaconu, Iuliana Cocean, Alexandru Cocean, Vasile Pelin, Silviu Gurlui,L. Leontie, Study of Physico-Chemical Characteristics of Some Major Urban Air Pollutants, IOP Conference Series Materials Science and Engineering 877 (2020) 012049, DOI: 10.1088/1757-899X/877/1/012049;

22. DĂNCEANU S. CAMELIA –MIHAELA, căs. ZARĂ (grace period), Guidance Commission: N. Lupu, T.A.Ovari, V.Pohoață

-Luminita Labusca, Dumitru – Daniel Herea, Camelia - Mihaela Danceanu, Anca Emanuela Minuti, Cristina Stavila, Marian Grigoras, Daniel Gherca, George Stoian, Gabriel Ababei, Horia Chiriac, Nicoleta Lupu, *The effect of magnetic field exposure on differentiation of magnetite nanoparticles – loaded adipose – derived stem cells*, Materials Science and Engineering: C, Volume 109. 110652, 2020, doi.org/10.1016/j.msec.2020.110652.

23.Gerber I.C.(registered in 2017), Guidance Commission:N. Dumitrascu, I.Topala, I. Mihaila

-Hodoroaba B, Gerber IC, Ciubotaru D, Mihaila I, Dobromir M, Pohoata V, Topala I,*Carbon fluffy aggregates produced by helium - hydrocarbon high pressure plasmas as analogs to interstellar dust.* Mon Not R Astron Soc. 2018 Sep 13. (FI 5.194), DOI: 10.1093/mnras/sty2497

-Hodoroaba B, Gerber IC, Ciubotaru D, Mihaila I, Dobromir M, Pohoata V, Topala I,*Carbon fluffy aggregates produced by helium - hydrocarbon high pressure plasmas as analogs to interstellar dust.* Mon Not R Astron Soc. 2018;481(2):2841–50.. (FI 5.231), DOI: 10.1093/mnras/sty2497

24.**ENESCU I. FLORIN (inmatriculat in 2018), Guidance Commission: M.A.Dariescu, S. Gurlui, D.Dimitriu**

-Irimiciuc, S., Enescu, F., Bedelean, H., Gurlui, S., Agop, M., Space-and time-resolved optical investigations on ns-laser produced plasmas on various geological samples, (2020) Spectrochimica Acta - Part B Atomic Spectroscopy, 170, art. no. 105904,

(Indicator B.2.1.5. Field accreditation) For a field of doctoral studies the ratio between the number of doctoral students and the number of teachers / researchers providing guidance should not exceed 3: 1.

In the univ. year 2019-2020, 53 doctoral students are enrolled, and there are 23 teachers / researchers who provided guidance: 53/23 = 2.3 <3. (Annex 30)

4.2.3 The results of doctoral studies and their evaluation procedures

(Standard B.3.1. Doctoral and SD field accreditation) The research is capitalized by doctoral students through presentations at scientific conferences, scientific publications, through technology transfer, patents, products, service orders (Indicator B.3.1.1. SD accreditation) Within the doctoral school there are initiatives to capitalize on the results of doctoral studies according to the specifics of the field (eg technology transfer, products, patents in the case of exact sciences; products and services in the case of social and humanities; festivals, competitions, recitals, sports competitions ; cultural-artistic commands in the vocational field; presentations at national and international conferences, publication of research results in national and international publications, involvement of doctoral students in the development of research and development projects, etc.).

The situation of the scientific activity of the doctoral students

Scientific articles published in extenso in journals rated Web of Science with impact factor	Scientific articles published in extenso in indexed journals without impact factor	Scientific articles published in extenso in BDI indexed journals	Patents	Books / chapters in books		Participation in scientific conferences		Awards	
				National	Interna-tional	National	Interna-tional	National	Interna-tional
192	6	11	2	-	1	14	195	1	6

Within SDF, the capitalization of the results of doctoral studies is done first of all through publications in scientific journals, the emphasis being on the listed web of science, with international visibility, as well as by participating in national and international conferences.

Below we present a list of doctoral students' papers (in ISI quoted journals) with their scientific leaders, followed by a list of conferences in which they actually participated, as well as a list of patents in which they were co-authors (evidence in Annex 31, **or in the text below is given the DOI code)**

Prof. dr. habil. Lucel Sirghi

1.Samoila, F; Pohoata, V; Sirghi, L, Cleaning Away the Oleic Acid Contaminant from Glass Surface by Negative Glow Plasma, **PLASMA CHEMISTRY AND PLASMA PROCESSING**, 2018, 38 (6) 1273-1291, 10.1007/s11090-018-9927-x, WOS:000446033700008.

2.Demeter, A; Samoila, F; Tiron, V; Stanescu, D; Magnan, H; Straticiuc, M; Burducea, I; Sirghi, L, Visible-light photocatalytic activity of TiOxNy thin films obtained by reactive multi-pulse High Power Impulse Magnetron Sputtering, **SURFACE & COATINGS TECHNOLOGY**, 2017, 324 () 614-619,

10.1016/j.surfcoat.2016.10.011, WOS:000406988200072.
3.Rudolph, M; Demeter, A; Foy, E; Tiron, V; Sirghi, L; Minea, T; Bouchet-Fabre, B; Hugon, MC, Improving the degree of crystallinity of magnetron-sputtered Ta3N5 thin films by augmenting the ion flux onto the substrate, **THIN SOLID FILMS**, 2017, 636 () 48-53, 10.1016/j.tsf.2017.05.033, WOS:000408037800008.
4.Demeter, A; Tiron, V; Lupu, N; Stoian, G; Sirghi, L, Plasma sputtering depositions with colloidal masks for fabrication of nanostructured surfaces with enhanced photocatalytic activity, **NANOTECHNOLOGY**, 2017, 28 (25) -, 10.1088/1361-6528/aa712a, WOS:000402515000002.
5. Samoila F; Sirghi, L, Disjoining Pressure in Partial Wetting on the Nanoscale, **LANGMUIR**, 2017, 33 (21) 5188-5196, 10.1021/acs.langmuir.7b01156, WOS:000402581700011.
6.Tiron, V; Velicu, IL; Dobromir, M; Demeter, A, A; Samoila, F; Ursu, C; Sirghi, L, Reactive multi-pulse HiPIMS deposition of oxygen-deficient TiOx thin films, **THIN SOLID FILMS**, 2016, 603 () 255-261, 10.1016/j.tsf.2016.02.025, WOS:000372794900040.
7.Joana Madureira , Andreia I. Pimenta,Alexandra Besleaga, Maria Ines Dias, Pedro M.P. Santos, Rita Melo, Isabel C.F.R. Ferreira, Sandra Cabo Verde, Fernanda M.A. Margaça, Effects of gamma radiation on cork wastewater: Antioxidant activity and toxicity, Chemosphere, 169 (2017) 139-145
8. Dascalu Adina; Pohoata Valentin; Shimizu K; Sirghi, Lucel, Molecular Species Generated by Surface Dielectric Barrier Discharge Micro-plasma in Small Chambers Enclosing Atmospheric Air and Water Samples, PLASMA CHEMISTRY AND PLASMA PROCESSING(2020) 28, 25, -255302, 2020, **DOI:** 10.1007/s11090-020-10122-x
9. Besleaga, A., Demeter, A., Rusu, G. B., Dinca, P., Sirghi., L. PHOTOCATALYTIC ACTIVITY OF TiO2 FILMS, DEPOSITED BY REACTIVE MULTI-PULSE HiPIMS AT DIFFERENT SUBSTRATE TEMPERATURE VALUES Rom Rep Phys. 71, 2019, 505.
10. A. Dascălu, A. Demeter, F. Samoilă, V. Anița, K. Shimizu, L. Sîrghi, „Surface Dielectric Barrier Discharge in Closed-Volume Air", Plasma Medicine, Vol.7, Nr. 4, pag 395-406, **2017 (SCOPUS)**
11. Dascalu Adina; Pohoata Valentin; Shimizu K; Sirghi, Lucel, Molecular Species Generated by Surface Dielectric Barrier Discharge Micro-plasma in Small Chambers Enclosing Atmospheric Air and Water Samples, PLASMA CHEMISTRY AND PLASMA PROCESSING(2020) 28, 25, -255302

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1.Marina–Aura Dariescu, Ciprian Dariescu, Denisa Mihu, *Tunneling of Relativistic Bosons induced by Magnetic Fields in Magnetar's Crust,* Chinese Physics Letters, 32, Nr. 10, 101101 (2015)
2.Marina–Aura Dariescu, Ciprian Dariescu, Denisa Mihu, *Magnetic fields of quantum origin in magnetars' crust*,Proceedings of the Romanian Academy, Seria A, 17, Nr. 2, p. 126–132 (2016)
3.Marina–Aura Dariescu, Denisa–Andreea Mihu, Ciprian Dariescu, *Spatially – Flat Robertson – Walker Models with combined* ΛCDM *and stiff matter sources and the corresponding thermodynamics*, Romanian Journal of Physics, 62, Nr. 1-2, 101 (2017)
4.Denisa–Andreea Mihu *Elliptic and Heun functions in spatially-flat Friedmann Robertson – Walker Cosmologies*, Romanian Journal of Physics 63, No. 5-6, 108 (2018).

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1.C. Dariescu, A. Bodnarescu, M.A. Dariescu, *Spatially-hyperbolic Friedmann-Robertson-Walker Universe with potentially broken* Z_2*-symmetry*, International J. of Theoretical Physics 55, p. 4109-4123 (2016).

2.C. Dariescu, M. A. Dariescu, A. Bodnărescu, *The AdS_5 Warp of Spatially Hyperbolic Universes, Spinless Modes and Spectra and the corresponding Wheeler-DeWitt Schrodinger-like Equation*, International J. of Theoretical Physics 55, No. 2, p. 1116-1127 (2016).
3.A. Bodnărescu, M. A. Dariescu, *Spatially Hyperbolic Universes with Fundamental Matter Sources*, Rom. J. of Physics 61, Nos. 3-4, p. 333-349 (2016).

Prof.dr. Maria Neagu
1. L. Budeanu, H. Chiriac, N. Lupu, M. Neagu, F. Borza, *Annealing influence on the structural and magnetic properties of $Fe_{73.5}Cu_1Nb_3Si_{13.5}B_9$ powders*, Romanian Reports in Physics, Vol. 68 (2), 623-629, 2016;
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3. L. Labusca, C. Danceanu, E. Radu, D.D. Herea, H. Chiriac, N.Lupu, Fe–Cr–Nb–B Magnetic Nanoparticle Interaction with Human Mesenchymal and Stem Cells - Journal of Biomedical Nanotechnology July 2017, 13(7):858-868
4. Chiriac, H., Radu, E., Țibu, M., Stoian, G., Ababei, G., Lăbușcă, L., Herea, D.-D., Lupu, N. , Fe-Cr-Nb-B ferromagnetic particles with shape anisotropy for cancer cell destruction by magneto-mechanical actuation -, Scientific Reports, Volume 8, Issue 1, 1 December 2018, Article number 11538
5.Horia Chiriac, Tudor Petreus, Eugen Carasevici, Luminita Labusca, Dumitru-Daniel Herea, Camelia Danceanu, Nicoleta Lupu , In vitro cytotoxicity of Fe-Cr-Nb-B magnetic nanoparticles under high frequency electromagnetic field, Journal of Magnetism and Magnetic Materials , 04/2015; 380, 13-19.
6. Labusca. LS; Herea. DD; Radu. E; Danceanu. C; Chiriac, H; Lupu, N, Human Adipose Derived Stem Cells and Osteoblasts Interaction with Fe-Cr-Nb-B Magnetic Nanoparticles JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY,Volume:18, Issue:7, Pages:5143-5153, DOI:10.1166/jnn.2018.15330
7. D.D. Herea, C. Danceanu, E. Radu, L. Labusca, N. Lupu, H. Chiriac, Comparative effects of magnetic and water-based hyperthermia treatments on human osteosarcoma cells, INTERNATIONAL JOURNAL OF NANOMEDICINE ,Volume: 13, Pages: 5743-5751 DOI: 10.2147/IJN.S174853 , september 2018
8. Luminita Labusca, Dumitru – Daniel Herea, Camelia - Mihaela Danceanu, Anca Emanuela Minuti, Cristina Stavila, Marian Grigoras, Daniel Gherca, George Stoian, Gabriel Ababei, Horia Chiriac, Nicoleta Lupu, *The effect of magnetic field exposure on differentiation of magnetite nanoparticles – loaded adipose – derived stem cells*, Materials Science and Engineering: C, Volume 109. 110652, 2020, doi.org/10.1016/j.msec.2020.110652.
9.Adrian Borhan, Dumitru-Daniel Herea, Daniel Gherca, Cristina Stavila, Anca – Emanuela Minuti, Marian Grigoras, Camelia - Mihaela Danceanu, Luminita Labusca, George Stoian, Gabriel Ababei, Corneliu Stan, Nicoleta Lupu, Horia Chiriac, *Flash-cooling assisted sol-gel self-ignited synthesis of magnetic carbon dots-based heterostructure with antitumor properties*, Materials Science and Engineering: C, Volume 117. 111288, 2020, doi.org/10.1016/j.msec.2020.111288.
10. Luminita Labusca, Dumitru Daniel Herea, Anca Emanuela Minuti, Cristina Stavila, Camelia - Mihaela Danceanu, Marian Grigoras, Gabriel Ababei, Horia Chiriac Nicoleta Lupu, *Magnetic*

nanoparticle loaded human adipose derived mesenchymal cells spheroids in levitated culture, Journal of Biomedical Materials Research Part B Applied Biomaterials 109(2), 2020, doi.org/10.1002/jbm.b.34727.
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Prof.dr. habil. Gabriela Borcia
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Prof. dr. Felicia Iacomi
1. Cocean, A., Cocean, I., Cazacu, M.M., Bulai, G., Iacomi, F., Gurlui, S, Atmosphere self-cleaning under humidity conditions and influence of the snowflakes and artificial light interaction for water dissociation simulated by the means of COMSOL, Appl Surf Sci 443 (2018) 83-90.
2. Cocean, A., Pelin, V., Cazacu, M.M., Cocean, I., Sandu, I., Gurlui, S, Iacomi, F., Thermal effects induced by laser ablation in non-homogeneous limestone covered by an impurity layer, Applied Surface Science, 424 (2017) 324-329. http://dx.doi.org/10.1016/j.apsusc.2017.03.172
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4. Suchea, M; Tudose, IV; Ionita, S ; Sandu; Iacomi, F; Koudoumas, E, ZnO Nanostructures for Potential Applications in Organic Solar Cells, REVISTA DE CHIMIE, 6 12 (2015) 2044-2046.
5. Al Matarneh, CM; Danac, R; Leontie, L; Tudorache, F; Petrila; Iacomi, F; Carlescu, A; Nedelcu, G; Mangalagiu, I, Synthesis And Electron Transport Properties Of Some New 4,7- Phenanthroline Derivatives In Thin Films, Environmental Engineering And Management Journal, 14 2 (2015) 421-431.

6.Creanga, D., Balasoiu, M., Soloviov, D., Balasoiu-Gaina, A.,Puscasu, E.,Lupu, N. Stan, C., Small-angle neutron scattering investigations of Co-doped iron oxide nanoparticles. Preliminary results. In *JOURNAL OF PHYSICS: CONFERENCE SERIES* (Vol. 994, No. 1, art. 012009). IOP Publishing. 2018, March.
7.Andries, M.,Pricop, D.,Grigoras, M., Lupu, N., Sacarescu,L.,Creanga, D,Iacomi, F., Comparative Study on the Uptake and Bioimpact of Metal Nanoparticles Released into Environment, 10TH INT. CONF. PROC. ISOTOP. MOLEC. PIM 2015, AIP Conf. Proc., 1700: 060012-1–060012-5, WOS:000371531400030, ISBN:978-0-7354-1347-4
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10. Puscasu, E., Sacarescu, L., Domocos,A., Leostean, C., Turcu,R., Creanga,D., Balasoiu, M., Hydrophilic Versus Hydrophobic Oleate Coated Magnetic Particles, Rom. J. Phys., 61 (5-6), 946–956, 2016
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Prof. dr. Caltun Ovidiu

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Prof.dr. Liliana Mitoseriu

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3.Field induced metastable ferroelectric phase in Pb0.97La0.03(Zr0.90Ti0.10)(Zr0.90Ti0.10)(0.9925)O3 ceramics, I.V. Ciuchi, C.C. Chung, C.M. Fancher, C. Capiani, J.L. Jones, Liliana Mitoseriu, C. Galassi, J. European Ceramics Society, Volume 38, Issue 4, Pages 1479-1487 (2018), ISI: 3.794

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Prof. dr. habil. Gabriela Borcia (11 presentations with evidence)

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8. Birleanu E, et al., *Dosimetrical evaluation of VMAT radiotherapy for rectal cancer. A comparison with 3D-CRT technique* (Abstract Book, p. 31) The National Congress of the Romanian Cancer Society Federation. 5th Edition 4-7 October, Sinaia, Romania, prezentăare poster:
9.Birleanu E, Mihaila I, Borcia G, *Oxidarea suprafetelor polimere in plasma la presiune atmosferica* (Rezumate, P8, p. 8) FARPHYS2019 (Conferință științifică studențească)
https://www.phys.uaic.ro/index.php/cercetare/conferinte-cercetare/conferinte-cercetare-2019/
- 26 octombrie 2019, Iași, Romania, Prezentare poster:
10. Bianca-Dumitrița Tatarcan, Ionuț Topală, Aplicații ale tehnologiilor cu plasmă la presiune atmosferică în agricultura modernă, a III-a ediție a Conferinței Naționale a Doctoranzilor de la Facultățile de Fizică din cadrul Universităților din Consorțiul Universitaria, 22-23 Octombrie 2020 – online – prezentare orală
https://profs.info.uaic.ro/~CSDCU_MIF2020/
11.Mădălina Albu, Ionuț Topală, Tehnologii cu plasmă la presiune atmosferică pentru inactivarea bacteriilor, virusurilor și biomoleculelor a III-a ediție a Conferinței Naționale a Doctoranzilor de la Facultățile de Fizică din cadrul Universităților din Consorțiul Universitaria, 22-23 Octombrie 2020 – online – prezentare orală, https://profs.info.uaic.ro/~CSDCU_MIF2020/

Prof. Dr. Dumitru Luca (3 presentations with evidence)

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020

1. C.T. Teodorescu-Soare, M. Dobromir, G. Stoian, D. Luca, "Preparation of Nb-doped TiO2 nanotubes using magnetron sputtering", The 16th International conference on Global research and Education, Inter-Academia, (Iași, Romania, 25-28 September 2017) – publicat în Advances in intelligent systems and computing, vol. 660. Springer, pag. 191–199 (doi: 10.1007/978-3-319- 67459-9_25) – prezentare orală cu dovada
2. Novel approach for zinc oxide nanomaterials functionalization based on dry plasma processing, Mihai Alexandru Ciolan, Iuliana Motrescu, Dumitru Luca, Masaaki Nagatsu, lasma Sciences (ICOPS) held with 2014 IEEE International Conference on High-Power Particle Beams (BEAMS), 2014 IEEE 41st International Conference, Washington DC, USA.
https://ieeexplore.ieee.org/abstract/document/7012382
3.Mihai Alexandru Ciolan, Cristina Stan, Iuliana Motrescu, D. Alexandroaei, C. P. Cristescu, Ghost-vibrational type resonance in double discharge plasma configuration laICPIG 2015, XXXII International Conference on Phenomena in Ionized Gases, Iasi 2015, P2.35

Prof. dr. Nicoleta Dumitrascu (2 presentations with evidence)

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020

1. Roxana Jijie, T. Teslaru, M. Dobromir, V. Pohoata, I. Topala, A. Barras, R. Boukherroub, N. Dumitrascu Influence of carrier gas on the behavior of plasma polymerized polystyrene films in aqueous media, ICPIG 2015, XXXII International Conference on Phenomena in Ionized Gases,Iasi 2015, p4.58

DOCTORAL STUDENTS WHO HAVE NOT COMPLETED YET THE THESIS UNTIL OCT. 2020

2. C. Bacaoanu, N. Dumitrascu, Studies on polymeric surgical fibres wettabilitiesm EHB 2019, Iasi, Romania

Prof. dr. Lucel Sirghi (19 presentations with evidence)

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020

1.Florentina Samoila, Viorel Anita, Lucel SIRGHI, Cleaning of silicon surface by surface dielectric barrier discharge, The XXXII edition of the International Conference on Phenomena in Ionized Gases-ICPIG July 2015. (poster)
2.Florentina Samoila, Alexandra Demeter, Vasile Tiron, Lucel Sirghi, Wettability of TiO2 Nano-patterns obtained by Reactive high power magnetron sputtering deposition, 4th Magnetron, Ion processing & Arc Technologies Conference (MIATEC), 14th International Symposium on Reactive Sputter Deposition, 8-11 Decembre 2015, Paris, France. (poster)
3.Florentina Samoila, Vasile Tiron, Alexandra Demeter, Dana Stanescu, Helene Magnan, Lucel Sirghi, Visible light photocatalytic activity of TiOxNy thin films obtained by reactive multi-pulse High power impulse magnetron sputtering deposition, European Materials Research Society, May 2-6, 2016, Lille, France. (poster)
4.Alexandra Demeter, Florentina Samoila, Ilarion Mihaila, Vasile Tiron, Dana Stanescu, Helene Magnan, Lucel Sirghi, Photocatalytic activity of ZnON thin films deposited by HiPIMS on substrates with controlled roughness, European Materials Research Society, May 2-6, 2016, Lille, France. (poster)
5.F. Samoila, A. Besleaga, L. Sirghi, Atomic force microscopy study of contamination process of glass surface exposed to oleic acid vapors, The 15th International Conference on Global Research and Education (InterAcademia 2016), September 26-28, 2016, Varsovia, Polonia. (poster)
6.F. Samoila, A. Besleaga, L. Sirghi, Atomic force microscopy study of contamination process of glass surface exposed to oleic acid vapors, The 15th International Conference on Global Research and Education (InterAcademia 2016), September 26-28, 2016, Varsovia, Polonia. (oral)
7.L. Sirghi, F. Samoila, V. Anita, Cleaning of silica surfaces by surface dielectric barrier discharge plasma, The 15th International Conference on Global Research and Education (InterAcademia), September 26-28, 2016, Varsovia, Polonia. (oral – short presentation)

8. Alexandra Demeter, Florentina Samoila, Lucel SIRGHI, *AFM study of surface forces involved colloidal mask self-assembling*, The International Conference on Global Research and Education–INTER-ACADEMIA Japonia 2015**. (oral)**
9. Alexandra Demeter, Vasile Tiron, Florentina Samoila, Ovidiu Vasilovici, Lucel Sirghi, *TiO2 thin film deposition by reactive multi-pulse HiPIMS*, 6th International Conference on Fundamentals and Industrial Applications of HIPIMS, 10 - 11 June 2015, Braunschweig, Germania. (poster)
10. Alexandra Demeter, Florentina Samoila, Vasile Tiron, Claudiu Costin, Lucel Sirghi, *TiO2 nano-patterns obtained by reactive high power magnetron sputtering and colloidal lithography*, 4th Magnetron, Ion processing & Arc Technologies Conference (MIATEC), 14th International Symposium on Reactive Sputter Deposition, 8-11 Decembrie 2015, Paris, Franţa. (**poster**)

AWARDED PAPER

11. Alexandra Demeter, C. Costin, L. Sirghi, *Monte Carlo simulation of surface etching with colloidal mask*, The XXXII edition of the International Conference on Phenomena in Ionized Gases (ICPIG), Iaşi, Romania, 26-31 iulie 2015. (poster)
12. Alexandra Demeter, Vasile Tiron, Lucel Sirghi, *Plasmonic behaviour of titanium 2D nanopatterns obtained by magnetron sputtering deposition with colloidal masks*, The 16th International Conference on Global Research and Education (InterAcademia), September 25-28, 2017, Iaşi, Romania. (**poster**)

DOCTORAL STUDENTS WHO HAVE NOT COMPLETED THE THESIS YET UNTIL OCT. 2020

1.A. Dascălu, A. Beșleagă, K. Shimizu, L. Sîrghi, ,,Activation of water by surface DBD micro plasma in atmospheric air", 16th International Conference on Global Research and Education-InterAcademia, INTERACADEMIA, 25.-28 SEPT **2017 Iasi Romania**
2. A. Dascălu, A. Demeter, L. Sîrghi, ,,Reactive species in water activated by surface DBD microplasma in air", 17th International Conference on Plasma Physics and Aplications, Măgurele, București, România, (**prezentare orală**), 15-20 iunie **2017**
3. A. Dascălu, S.Teodoroff – Onesim, V. Pohoață, K. Shimizu, L. Sirghi, ,,Infrared absorption spectroscopy investigation of molecular species generated by surface dielectric barrier discharge micro-plasma in humid air", 24th International Symposium on Plasma Chemistry, Napoli, Italia, 9-14 iunie **2019**
4. A. Dascălu, V. Pohoață, K. Shimizu, L.Sîrghi, ,,Surface dielectric barrier discharge micro-plasma in humid air at atmospheric pressure", 18th International Conference on Plasma Physics and Aplications, Iași, România, 20-22 iunie **2019**
5. A. Dascălu, V. Anița, L. Sîrghi, ,,Optimization of surface dielectric barrier discharge for treatment of aqueous solutions in closed volume air",The 6th National Conference of Applied Physics, Iaşi, România, (poster), 26-27 noiembrie **2016**
6. A. Dascălu, A. Demeter, L. Sîrghi, ,,Interacțiunea cu soluții apoase a plasmei descărcării superficiale cu barieră dielectrică", a XLV-a Conferință Națională de Fizică și Tehnologiile Educaționale Moderne, Iași, (poster), 13-14 mai **2016**
7. Teodoroff Onesim Sabina, 14th International Conference on Tribology (ROTRIB)
Tech Univ Cluj Napoca, Cluj Napoca, ROMANIA SEP 19-21, 2019 **DOI:** 10.1088/1757-899X/724/1/012054

Prof. dr. Marina Aura Dariescu (2 presentations with evidence)

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020
1.Mathieu functions describing particles in electromagnetic waves, Denisa–Andreea Mihu, Marina–Aura Dariescu, Conferinta de Fizica TIM, 25- 27 Mai 2017, Timisoara, Romania (prezentare orala).

AIP Conference Proceedings 1916, 020006-1 (2017)
2.Parametric induced instabilities of magnetars crust, Marina–Aura Dariescu, Denisa–Andreea Mihu, Ciprian Dariescu, Conferinta Stiintifica Internationala "Mathematical Modelling, Processes and Systems", 13- 16 Decembrie 2017, Borovets, Bulgaria (prezentare orala), Conference Proceedings, ISSN 2535-0978, pgs. 16-20.

Prof.dr. Tudor Luchian (11 presentations with evidence)

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020

1. Alina Asandei, Isabela S. Dragomir, Tudor Luchian, Aldo E. Rossini, Mauro Chinappi, Yoonkyung Park, *Readout of Small Peptides Primary Structure, with a Protein Nanopore*, The 5th International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences IC-ANMBES, May 2018 , Brașov, Romania,***Best Poster Award***
2.Corina Ciobanasu, Isabela S. Dragomir, Aurelia Apetrei, Tudor Luchian, *Penetrating Properties of LyP-1 Homing Peptides in Giant Unilamellar Vesicles,* The 5th International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental SciencesIC-ANMBES, May 2018, Brașov, Romania
3. Isabela S. Dragomir, A. Asandei, A. Ciucă, G. Di Muccio, M. Chinappi, Y. Park, T. Luchian, *Sidedness-Dependence of Current Fluctuations Caused by Serine-Containing Peptides Interacting with the α-HL Nanopore*, The 12th EBSA/The 10th ICBP-IUPAP Biophysics Congress, Biophysics for Life and Technology, Madrid 20-24 July 2019, Spain

4 . Irina Anca Popescu, Felicia Gradinariu, Andreea Teodor VERDES, Doina Havarneanu, Irina Alexandrescu, Diana Costin: „Utility and significance of biomarkers used in health status monitoring of ionizing radiation exposed personnel";The 6thIEEE International Conference on E-Health and Bioengineering -EHB 2017,„Grigore T. Popa University of Medicine and Pharmacy", Sinaia, Romania, 2017;

5. IC-ANMBES 2018 (Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences) 23-25 Mai 2018, Brasov, Romania.
Prezentare poster: "Single-Molecule Study of pH- and Salt Induced Conformational Changes of PAMAM-G1 and -G1.5 Dendrimers, with Protein Nanopores" Alina Asandei, Andrei Ciuca, Irina Schiopu, Aurelia Apetrei, Loredana Mereuta, Chang Ho Seo, Yoonkyung Park, Tudor Luchian.
6. Andrei Ciucă, Alina Asandei, Aurelia Apetrei, Irina Șchiopu, Loredana Mereuță, Chang Ho Seo, Yoonkyung Park, Tudor Luchian, Prezentare poster: "Uni-molecular study of the pH- and salt-dependent PAMAM dendrimers – α-hemolysinnanopore interactions", The 19th IUPAB congress and 11th EBSA congress, 16-20 Iulie, 2017, Edinburgh, UK.

DOCTORAL STUDENTS WHO HAVE NOT COMPLETED YET THE THESIS UNTIL OCT. 2020

1. Irina Schiopu, Ioana Cezara Bucataru, Tudor Luchian, Chang Ho Seo, Yoonkyung Park, *Electrophoretic migration of PAMAM G1 dendrimers into confined nano-spaces: a single-molecule*

assay, The 12th EBSA/The 10th ICBP-IUPAP Biophysics Congress, Biophysics for Life and Technology, 20-24 Iulie 2019, Madrid, Spania, poster.
2.Irina Schiopu, Ioana Cezara Bucataru, Tudor Luchian, Chang Ho Seo, Yoonkyung Park , *Nanoscale investigation of low generation PAMAM dendrimers*, The 12th International Conference PIM, Processes in Isotopes and Molecules, 25-27 septembrie 2019, Cluj-Napoca, România, poster.
3. Ioana Cezara Bucataru, Isabela S Dragomir, Irina Schiopu, Tudor Luchian, *Nanopore-based Investigation of PNA-DNA Duplexes Unzipping Mechanism,* National Online Conference of Biophysics CNB2020, June 14-16, 2020, online – poster **Lucrare premiul II - Young Scientist Prize**
4.Ioana Cezara Bucataru, Isabela S Dragomir, Irina Schiopu, Tudor Luchian, *Studiul la nivel de singură moleculă al mecanismului de desfacere (unzip) a duplecşilor ADN-PNA cu ajutorul nanoporului proteic de α-hemolizină (α-HL)*, Conferința națională a doctoranzilor din Consorțiul Universitaria pentru domeniile Matematică, Informatică, Fizică CSDCU-MIF2020, October 22-24, 2020, online – oral presentation
5.Ioana Cezara Bucataru, Isabela S Dragomir, Irina Schiopu, Tudor Luchian, *Studiul influenței tăriei ionice asupra detecţiei moleculelor de ADN cu ajutorul tehnicii electrofiziologice la nivel de singură moleculă,* Conferinta Scolilor Doctorale din Cadrul Universitatii "Alexandru Ioan Cuza" din Iasi – POCU, October 22-23, 2020, online – oral presentation

Prof.dr. Liliana Mitoseriu (14 presentations with evidence)

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020

1. I.V.Ciuchi, F. Craciun, L. Mitoseriu, C. Galassi, Dielectric Properties of La3+ doped PZT Ceramics across the antiferroelectric/ferroelectric phase boundary, PIEZO-Electroceramics for End-Users VIII conference, Maribor, Slovenia, January 2015 (oral)
2. I.V.Ciuchi, F.Craciun, M.Deluca, L. Mitoseriu and C.Galassi, Phase transitions and Curie Weiss behaviour in La3+ doped PZT 90/10 ceramics with compositions across the antiferroelectric/ferroelectric phase boundary, 13th European Meeting on Ferroelectricity, Porto, Portugal, July 2015 (Oral)
3. R. Pullar, I.V.Ciuchi, P. Galizia and C.Galassi, Novel TiO2-doped semiconducting hexagonal ferrites, 13th European Meeting on Ferroelectricity, Porto, Portugal, July 2015 (Poster)
4. M. Airimioaei, C. E. Ciomaga, A. Guzu, N. Horchidan, L. P. Curecheriu, N. Lupu, F. M. Tufescu, L. Mitoseriu, Study of microstructure and functional properties of layered BaTiO3– ferrite–BaTiO3 magnetoelectric composites obtained by SPS method, ECerS 2017,15th Conference & Exhibition of the European Ceramic Society Budapest, Hungary, July 9–13, 2017 **(prezentare poster)**
5. C. E. Ciomaga, M.Airimioaei, A. Guzu, O. Avadanei, N. Lupu, and L. Mitoseriu, Study of functional properties of ferroelectric-magnetic ceramic composites obtained by different synthesis method, International Conference CIEC 16, Torino, Italy, 9-11 September 2018 **(prezentare poster)**
6. C. E. Ciomaga, M. Airimioaei, A. Guzu, F. Gheorghiu, G. Stoian, M. Grigoraș, M. Asănduleasa, L. Pădurariu, L. Mitoșeriu, Comparative study of the functional properties magnetoelectric composites, ISAF-ICE-EMF-IWPM-PFM Joint Conference, 14-19 iulie 2019, Lausanne, Switzerland **(prezentare orală)**
7. Alexandra Guzu, Cristina E. Ciomaga, Lavinia P. Curecheriu, Mirela Airimioei, Nădejda Horchidan, Petronel Postolache și Liliana Mitoșeriu, Studies on structural, electrical and magnetic

behavior of CoZn ferrite and BaZr0.15Ti0.85O3 ferroelectric ceramic composites, FARPHYS (Fundamental and Applied Research in Physics) 29 Octombrie, Iaşi, Romania, 2016 **(prezentare poster)**
8. Alexandra Guzu, Lavinia P. Curecheriu, Mirela Airimioei, Nădejda Horchidan, Petronel Postolache, Cristina E. Ciomaga și Liliana Mitoșeriu, Dielectric and magnetic properties of BaZr0.15Ti0.85O3 and Co-Zn ferrite ceramic composites, CNFA (Conferința Națională de Fizică Aplicată), 26, 27 Noiembrie, Iaşi, Romania, 2016 **(prezentare poster)**
9. Alexandra Guzu, Cristina E. Ciomaga, Mirela Airimioei, Felicia Gheorghiu și L. Mitoșeriu, Comparative study of functional properties of $BaTiO_3$-based magnetoelectric composites, a XLVII-a Conferinţa Naţională Fizica şi Tehnologiile Educaţionale Moderne Iaşi, 19-20 Mai 2018 **(prezentare poster)**

DOCTORAL STUDENTS WHO HAVE NOT COMPLETED YET THE THESIS UNTIL OCT. 2020

1.L.P. Curecheriu, M.T. Buscaglia, G. Canu, C.E. Ciomaga, L. Padurariu, V. Lukacs**,** V. Buscaglia, L. Mitoseriu, "Scale-dependent properties in BaTiO3-based ceramics", Electroceramics XVII, 24-28 August 2020, Darmstadt, Germania (prezentare orală);
2. L. Curecheriu, L. Padurariu, V. Lukacs, C. Ciomaga, G. Stoian, L. Mitoseriu, "There is a critical size in BaTiO3 slightly doped ceramics?", 30th Assembly of Advanced Materials Congress, 31 October-4 Noiembrie 2019, Singapore (poster);
3. V. Lukacs, Lavinia P. Curecheriu, Jacob J. Jones and Liliana Mitoseriu, "Scale dependent phenomena in BaTiO3-based ceramics", 13th Conference for Young Sciences in Ceramics (CYSC-2019), 16-19 Octombrie 2019, Novi Sad, Serbia (prezentare orală);
4. Turcan I., Tucureanu C., Caras I., Nita I., Vasile V., Sălăgeanu A., Olariu M., "Optimizing dielectrophoresis for circulating tumor cells analysis: influence of suspending medium", 2nd World Congress on Biosensors and Bioelectronics, Biosensors 2019, November 27-28, Singapore (poster);
5. Turcan I, Lavinia Curecheriu, Leontin Padurariu and Liliana Mitoseriu, "Ag-BaTiO3 composite ceramics with multiple percolative behavior ", 13th Conference for Young Sciences in Ceramics (CYSC-2019), 16-19 Octombrie 2019, Novi Sad, Serbia (prezentare orală)

Prof. dr. Caltun Ovidiu (one prezentation with evidence)

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020

1. E.V. Gafton, G.A. Bulai, I. Dumitru, O.F. Caltun, S. Cervera, M. Trassinelli, D. Vernhet, 5-10 Iulie, 2015: 20th International Conference on Magnetism ICM, Barcelona, Structural and magnetic properties of zincferrite thin films irradiated by slow highly charged ions – poster

Prof. dr. habil. Cristian Enachescu (one prezentation with evidence)

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020
1. Atitoaie, A; Stoleriu, L ; Tanasa, R; Stancu, A; Enachescu, C -Thermal hysteresis kinetic effects of spin crossover nanoparticulated systems studied by FORC diagram method on an Ising-like model -

The International Symposium on Hysteresis Modeling and Micromagnetics(HMM) -18-20 May 2015, Iasi, (poster) – http://hmm2015.uaic.ro/00_ALL_HMM_ABSTRACT_BOOK_final_v1.1.pdf: abstract book pp.106

Prof. dr. Maricel Agop (15 presentations with evidence)

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020

1.S. A. Irimiciuc, S. Gurlui, P. Nica, M.Agop, M.Osiac, C. Focsa, Langmuir probe Measurements in femptoseconds laser ablation of several metals, EMRS 11-15 may, 2015
2. S. A. Irimiciuc, S. Gurlui, P. Nica, M.Agop, Space and time resolved Langmuir probe investigations of nanosecond laser ablation plasma plumes, ICPAM-11, September 8–14, 2016, Cluj-Npoca, Romania **(AWARDED PAPER –THE MOST ORIGINAL CONTRIBUTION)**
3. S. A. Irimiciuc, S. Gurlui, P. Nica, M.Agop, C. Focsa, Time –resolved electrical investigations of transient plasmas generated by femtosecond laser ablation of various metallic targets **(BEST POSTER –PLACE 2)**, 10th International conference on photoexcited Process and applications ICPEPA-10, SEPT 2016, Brasov, Romania
4. S.A. Irimiciuc, S. Gurlui, P. Nica, M. Agop, C. Focsa, Plasma Induced by ns, ps and fs Laser Ablation: investigations on target-plasma relationship, European Materials Research Society Spring Meeting, 17-22 June 2018, Strasbourg, France
5. G. Bulai, S. Irimiciuc, V. Gafton, S. Gurlui, Rare earth doped cobalt ferrite thin films deposited by PLD: an in-situ plasma plume analysis, European Materials Research Society Spring Meeting, 17-22 June 2018, Strasbourg, France
6. Florin Enescu, Stefan-Andrei Irimiciuc, Nicanor Cimpoiesu, Horea Bedelean, Bianca Hodoroaba, Georgiana Bulai, Silviu Gurlui, Spatial and temporal analysis on plasma plumes generated by laser ablation on geo-materials, European Materials Research Society Spring Meeting, 17-22 June 2018, Strasbourg, France
7. Stefan Andrei Irimiciuc, Georgiana Bulai, Maricel Agop, Silviu Gurlui, Laser ablation plasma diagnosis for PLD thin layer quality control, European Materials Research Society Spring Meeting, 17-22 June 2018, Strasbourg, France
8. S. A. Irimiciuc, P. Nica, S. Gurlui, M. Agop, C. Focsa "Electrical Characterization of Femtosecond Laser-Produced Plasma from Various Metallic Targets", European Materials Research Society Spring Meeting, 2-6 May 2016, Lille, France
9. S. A. Irimiciuc, R. Boidin, G. Bulai, S. Gurlui, P. Nemec, V. Nazabal, C. Focsa, "Laser ablation of (GeSe2)100-x(Sb2Se3)x chalcogenide glasses : Influence of the target composition on the plasma plume dynamics", European Materials Research Society Spring Meeting, 2-6 May 2016, Lille, France
10. S.A. Irimiciuc,B.C. Hodoroaba, ,G.Bulai, S.Gurlui,P. Nica, M.Agop, C.Focs "Optical and electrical Diagnostics of Nanosecond Laser Ablation Plasmas", European Materials Research Society Spring Meeting, 2-6 May 2016, Lille, France
11. S. A. Irimiciuc, P. Nica, S. Gurlui, M. Agop, C. Focsa "A non-differentiable approach for modeling laser ablation plasma dynamics", European Materials Research Society Spring Meeting, 22-26 May 2017, Strasbourg, France
12.S. A. Irimiciuc, P. Nica,S. Gurlui, M. Agop, C. Focsa "Experimental investigations of transient

plasma plumes generated by laser ablation in various temporal regimes", European Materials Research Society Spring Meeting, 22-26 May 2017, Strasbourg, France

DOCTORAL STUDENTS WHO HAVE NOT COMPLETED YET THE THESIS UNTIL OCT. 2020

1. Vlad Ghizdovat, Cipriana Stefanescu, Irena Cristina Grierosu, Dan Dimitriu, Alexandra Iuliana Saviuc, Mihail Frasila, Ștefan Andrei Irimiciuc, Roxana Iacob, MaricelAgop, A Statistical Interpretation of the Classical Action with Implications in the Dynamics of Non-Linear Growth Biostructures, - the 8 th IEEE INTERNATIONAL CONFERENCE ON E-HEALTH AND BIOENGINEERING – EHB 2020 IASI, ROMANIA, 29 – 30 October 2020 (prezentare orala)
2.Alexandra Saviuc, Vlad Ghizdovat, MaricelAgop, Nanostructure Dynamics by Means of a Multifractal Theory of Motion, - 6th International Conference from Nanoparticles & Nanomaterials to Nanodevices&Nanosystems (6th IC4N), Corfu, Grecia 30.06-.03.07.2019 (prezentare orala) cu dovada
3.Vlad Ghizdovat, Cipriana Stefanescu, CatalinBorcia, CatiStolniceanu, Alexandra Saviuc, Irina Butuc, Irena Grierosu, JalloulWael, MaricelAgop A Comparative Simulated Study of Dosimetric Behaviors for Tissue-equivalent Materials, - The 7th IEEE International Conference of Medicine and Pharmacy, Iasi, Romania, November 21-23 2019 (EHB) (prezentare orala)

Prof.dr. Maria Neagu(2 presentations with evidence)

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020

1. L. Budeanu, M. Neagu, I.-L. Velicu, H. Chiriac, N. Lupu, The effect of ball milling process on magnetic and structural properties of $Fe_{73.5}Cu_1Nb_3Si_{15.5}B_7$ powders, 11th International Workshop on Amorphous and Nanostructured Magnetic Materials (ANMM), sept. 2015, Iași, România (prezentare poster);
2. . L. Budeanu, H. Chiriac, G. Stoian, N. Lupu, The role of process control agent on microstructure and magnetic properties of ball milled FINEMET powders, 8th Interational Conference on Advanced Materials (ROCAM), iul. 2015, București, România (prezentare poster);

DOCTORAL STUDENTS WHO HAVE NOT COMPLETED YET THE THESIS UNTIL OCT. 2020

1. Ecaterina Radu, Mihai Tibu, Daniel Herea, Luminita Labusca, Nicoleta Lupu, Horia Chiriac, Magneto-mechanical actuation of Fe-Cr-Nb-B magnetic particles for destruction of osteosarcoma cells - The Fifth Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences - IC-ANMBES, Brasov, Romania, May 2018 (prezentare orala)
2. C. Danceanu, D.D. Herea, N. Lupu, H.Chiriac, Viability evaluation of human cancerous cells after exposure to different hyperthermic regimes, THE 8th INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS, ROCAM 2015, Bucuresti, Romania (prezentare poster)

Prof. dr. Felicia Iacomi (18 presentations with evidence)

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020

1. L. Leontie, R.. Danac, A. Carlescu, F. Iacomi, N. Rosu, C. Dumea, M. Girtan, G. I. Rusu, DC conduction mechanism of some new lower rim substituted calixarenes derivatives in thin films, , prezentare poster ICPAM-10, Iasi, 2014**...a facut parte din Local organizing committee**

2. A. Carlescu, C. Bernhard, F. Iacomi, Magnetoresistance in Spin-Valve Devices with Organic Semiconductor Spacer Alq3, 5th International Conference on NANO-structures SElf-Assembly Marseille, France, 7-11 July 2014 (poster)

3. Emil Puscasu, Maria Andries, Claudia Nadejde, Lacramioara Oprica, Dorina Creanga, Magnetic fluid preparation, characterization and environmental application, ICPAM 10, 2014, Iasi, Romania;

4.A. Cocean, I. Cocean, M. M. Cazacu,V. Pohoață, D. Pricop, S. Gurlui, F. Iacomi,Effects of silver interaction with light over textile dyestuffs chromophore groups in the reaction with hemp fabrics, International Photocatalysis Workshop AdvPhotoCat-E2017, Heraklion, Greece. 14-16 July 2017 – *Poster Presentation Alexandru Cocean*

5.A. Cocean, I. Cocean, L. Cojocaru, N. Cimpoesu, G. Bulai, F. Iacomi, S. Gurlui, Damage threshold of special mirrors obtained by pulsed laser deposition under high fluence irradiation. Experimental and theoretical overview in COMSOL, International Conference On Physics Of Advanced Materials (ICPAM-12), Technological Educational Institute of Crete, Heraklion, Greece, from 22nd of September to 28th of September, 2018 – oral presentation – *Oral presentation Alexandru Cocean*

6.I. Cocean, A. Cocean, M. M. Cazacu, V. Pohoață, D. Pricop, D. Țîmpu, S. Gurlui, F. Iacomi, Dyeing process for recovery of textile reactive dyestuffs from wastewaters using photocatalytic ability of garnet and turquoise gemstones, International Photocatalysis Workshop AdvPhotoCat-E2017, Heraklion, Greece. 14-16 July 2017 – *Oral presentation Iuliana Cocean*

7.I. Cocean, A. Cocean, L. Cojocaru, V. Pohoata, N. Cimpoesu, G. Bulai, F. Iacomi, S. Gurlui, Study of horn and wool keratin and shell chitosan PLD, film properties and its effects on hemp fabrics, International Conference On Physics Of Advanced Materials (ICPAM-12), Technological Educational Institute of Crete, Heraklion, Greece, from 22nd of September to 28th of September, 2018 – *Poster presentation Iuliana Cocean*

8. Emil Puscasu, Claudia Nadejde, Laura Ursu, Florin Brinza, Dorina Creanga, "Study on the optimization of some nanostructurated magnetic materials with potential biomedical applications", Conferinta Internationala a Scolilor Doctorale din Cadrul Universitatii „Alexandru Ioan Cuza" din Iasi, Romania, Iasi, 16.12.15

9. Claudia Nadejde, Maria Andries, Emil Puscasu, Florin Brinza, Laura Ursu, Dorina Creanga, Cristina Stan, Preparation of soft magnetic materials and characterization with investigation methods for fluid samples, Conferinta Internationala Physics of Materials Pm-4, 2014 Bucuresti, Romania;

10.Diaconu, O. Luca, S Ionita, D. Timpu, F. Iacomi, Structural investigation of surface and biological properties of some composite resins for dental reconstruction, prezentare poster ICPAM 10, 22-24 sept 2014.

11.Maria Andries, Lacramioara Oprica, Dorina Creanga, The influence of magnetic nanoparticles on the oxidative activity in cellulolytic fungi, PAMS 1, 2014, Iasi, Romania.

12. Raoul Lupusoru, Daniela A Pricop, Maria Andries, Marius Dobromir, Mihaela Avadanei, Felicia Iacomi, The influence of light exposure on photobiocatalytic properties of various sized gold nanoparticles, 11th International Conference on Physics of Advanced Materials (ICPAM-11), 8-12,

2016, Cluj Napoca, Romania;
13. Ramona Danac, Liviu Leontie, Aurelian, Carlescu, Corneliu Doroftei, George G.Rusu, Vasile Tiron, Oana Șușu, Silviu Gurlui, Mihaela Girtan, Synthesis and electric properties of some new lower-rim substituted calixarenes derivatives in thin films, 16th International Conference on Global Research and Education (INTER-ACADEMIA), September 25-28, 2017, Iasi, ROMANIA
14. P. Pascariu, A. Cârlescu, Liviu Leontie and M. Șuchea, Nanocomposites based on Ni/Polythiophene: structure and electrochemical properties, 16th International Conference on Global Research and Education (INTER-ACADEMIA), September 25-28, 2017, Iasi, ROMANIA

DOCTORAL STUDENTS WHO HAVE NOT COMPLETED YET THE THESIS UNTIL OCT. 2020

1. T. Alupului, G. G. Rusu, G. Bulai,M. Toma, L. Punga,M. Toader ,F.Iacomi, Conductive thin films in the system In-Sn-ZnO, The 12th International Conference on Physics of Advanced Materials Technological Educational Institute of Crete, Heraklion, September 22-28, 2018, (poster presentation)
2. Alupului Teodor, 3 rd Autumn School on Physics of Advanced Materials, Technological Educational Institute of Crete, Heraklion, September 22-28, 2018
3.M.Toma, M. Toma, A. Abassi, H. Ez-Zahraouy, A. Popa, D.Toloman, G. G. Rusu,V. Nica, M. Dobromir, D. Timpu, F. Tudorache, C. Doroftei, F.Iacomi, Studies on some tungstate double perovskite thin films obtained by spin coating3 rd Autumn School on Physics of Advanced Materials held at Technological Educational Institute of Crete, Heraklion, September 22-28, 2018, -poster
4. M.Toma, M. Dobromir, D. Timpu, G. Rusu, F. Tudorache, V. Tiron, L.Punga, A. Popa,G. Calin, F. Iacomi
Influence of dopant nature and concentration on functional properties of Ni, Co doped ZnO thin films grown by spin coating, the 12th International Conference on Physics of Advanced Materials, Technological Educational Institute of Crete, Heraklion, September 22-28, 2018 - oral talk

Conf. dr.habil.Silviu Gurlui (5 presentations with evidence)

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020
1. I. Cocean, A. Cocean, V. Pohoata, L. Cojocaru, F. Husanu, S. Gurlui, F. Iacomi,Effect of soot – surface-active agents composites on air and water pollution, International Conference On Physics Of Advanced Materials (ICPAM-12), Technological Educational Institute of Crete, Heraklion, Greece, from 22nd of September to 28th of September, 2018 - *Oral presentation Iuliana Cocean*
2.I Cocean, M Diaconu, A Cocean, C Postolachi and S Gurlui, Landfill waste fire effects over town areas under rainwaters, International Conference on Innovative Research, May 21st to 22nd, 2020, Iaşi, Romania - *Oral presentation Iuliana Cocean*
3.A Cocean, I Cocean, C Postolachi, D Pricop, F Husanu and S Gurlui, Laser induced dyeing (LID) with Reactive Blue 21 on hemp fibers, International Conference on Innovative Research, May 21st to 22nd, 2020, Iaşi, Romania - *Oral presentation Iuliana Cocean*
4. Participare Iuliana Cocean la a XV-a Conferinţã Naţionalã de Fizicã Medicalã organizatã la Iaşi în perioada *10 – 12 Noiembrie 2017, numãr de credite acordate: 24 (Programul Profesional de educare continuã - participare **Iuliana Cocean**)*, conferinţã acreditatã de Colegiul Fizicienilor Medicali din România (CFMR) în baza recomandãrilor EFOMP (European Federation of Organisations in Medical Physics.

DOCTORAL STUDENTS WHO HAVE NOT COMPLETED YET THE THESIS UNTIL OCT. 2020

5.Participare Cristina PostolachiCSDCU-MIF2020 (Conferința națională a doctoranzilor din Consorțiul Universitaria pentru domeniile Matematică, Informatică, Fizică), 22-24 octombrie,

Prof. Dana Dorohoi (RETIRED) (19 presentations with evidence)

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020

1.Solvatochromic study of two pyridazinium ylids binary solutions, D. Babusca, D. O. Dorohoi, The 15-th International Balkan Workshop on Applied Physics (IBWAP), 2-4 iulie 2015, Constanta, Romania. (POSTER_POSDRU)

2.Intermolecular interactions in ternary solutions of some pyridazium ylids described by the solvent empirical scales, D. Babusca, Dana Ortansa Dorohoi, Workshop on Condensed Matter Research by Means of Neutron Scattering Methods (CMRNS), 4-7 iulie 2015, Constanta, Romania. (POSTER_POSDRU)

3.Spectral and quantum-mechanical characterization of some compounds with biological activity, A. C. Benchea, D. Babusca D. O. Dorohoi, Workshop on Condensed Matter Research by Means of Neutron Scattering Methods (CMRNS), 4-7 iulie 2015, Constanta, Romania. (POSTER_POSDRU)

4. Spectral Study of Specific Interactions Between Zwitterionic Compounds and Protic Solvents, D. Babusca, C. Morosanu, D. O. Dorohoi, The XXXIX Colloquim Spectroscopicum Internationale (CSI), 30 august- 3 septembrie 2015, Figuera da Foz, Coimbra, Portugalia.(ORAL_POSDRU)

5.Quantum-mechanical study and spectral analysis of some derivatives of Rhodamine in solutions, A. C. Benchea, D. Babusca, D. G. Dimitriu, D. O. Dorohoi, The XXXIX Colloquim Spectroscopicum Internationale (CSI), 30 august-3 septembrie 2015, Figuera da Foz, Coimbra, Portugalia. (POSTER_POSDRU)

6.Spectral and Quantum Mechanical Studies of Dimerization Reaction of Some Carbanion Monosubstituted Pyridazinium Ylids, C. Morosanu, D. Babusca, D. O. Dorohoi, The XXXIX Colloquim Spectroscopicum Internationale (CSI), 30 august-3 septembrie 2015, Figuera da Foz, Coimbra, Portugalia. (POSTER_POSDRU)

7.Spectral and quantum mechanical study of some azo derivatives, D. Babusca, A. C. Morosanu, A. C. Benchea, D. G. Dimitriu, D. O. Dorohoi, 33-rd European Congress on Molecular Spectroscopy (EUCMOS), 30 iulie-4 august 2016, Szeged, Ungaria. (POSTER_POSDRU)...**dovada iesire din tara tabel** (Annex 33)

8.Spectral study of Rhodamine dyes in binary and ternary solutions, A. C. Benchea, D. Babusca, A. C. Morosanu, D. G. Dimitriu, D. O. Dorohoi, 33-rd European Congress on Molecular Spectroscopy (EUCMOS), 30 iulie-4 august 2016, Szeged, Ungaria(POSTER_POSDRU)).. **dovada iesire din tara tabel** (Annex 33)

9.Spectroscopie moleculara aplicata in biologie, chimie si medicina, A. C. Calugaru-Morosanu, Colocviul International de Fizica Evrika Cygnus, 28-30 august 2015, Iasi, Romania. - Prezentare orala

10. Spectral Means to Estimate the Energy of Internal Interactions in Liquid Solutions, A. C. Calugaru-Morosanu, D. O. Dorohoi, IBWAP 2015, The 15th International Balkan Workshop on Applied Physics, July 2-4, 2015, Constanta, Romania - POSTER

11. Internal energy in liquids estimated by spectral means, A. C. Calugaru-Morosanu D. O. Dorohoi,

10th International Conference Processes in Isotopes and Molecules, 23-25 september 2015, Cluj-Napoca, Romania - POSTER

12. Specific and universal interactions in solutions of some zwitterionic compounds, A. C. Calugaru-MorosanuA. Gritco (Todirascu), D. E. Creanga, D. O. Dorohoi, 33rd European Congress on Molecular Spectroscopy, 30 July - 4 August 2016, Szeged, Hungary –POSTER **dovada iesire din tara tabel** (Annex 33)

13. A. Gritco, A. C. Calugaru-Morosanu , C. Dorina, The influence of solvent nature on the electronic absorption spectra of some organic compounds, Light and Photonics:Science and Technology, 1st International conference Light, may 22, 2015, Balti, Moldova

14. A.E. Scripa (Tudose), D.G. Dimitriu, D.O. Dorohoi, Linear birefringence dispersion of PET (poly ethyleneterephtalate) foils determined from visible channeled spectra, EUCMOS- 33rd European Congress on Molecular Spectroscopy, Szeged, Hungary, 30 July- 4 August, 2016. - POSTER) (Annex 33)

15. Quantum-mechanical study and spectral analysis of some derivatives of Rhodamine in solutions, Andreea Celia Benchea, D. Babusca, D.G. Dimitriu, D.O. Dorohoi, The XXXIX Colloquim Spectroscopicum Internationale (CSI), 30 august- 3 septembrie 2015, Figuera de Foz, Portugalia, prezentare poster, finantare POSDRU.

16. Spectral and quantum mechanical study of some azo derivatives, D. Babusca, A.C. Morosanu, Andreea Celia Benchea, D.G. Dimitriu, D.O. Dorohoi, 33rd European Congress on Molecular Spectroscopy (EUCMOS), 30 iulie - 4 august 2016 Szeged, Ungaria, prezentare poster

17. Spectral study of Rhodamine dyes in binary and ternary solutions Andreea Celia Benchea, D. Babusca, A.C. Morosanu Ana, D.G. Dimitriu, D.O. Dorohoi, 33rd European Congress on Molecular Spectroscopy (EUCMOS), 30 iulie-4 august 2016, Szeged, Ungaria, prezentare poster

18. Solvatochromism and quantum-mechanical study of 8-hydroxyquinoline: comparison of solvent scales, Andreea Celia Benchea, Dana Ortansa Dorohoi, Ion Hurjui, Loredana Hurjui, IC-ANMBES 2018 – May 23-25, 2018 Brasov, Romania prezentare poster

19. Human serum expression levels of monocyte chemoattractant protein-1 in type 2 diabetic subjects, Loredana Hurjui, Ionela Lacramioara Serban,Ion Hurjui, Andreea Celia Benchea, Liliana Foia, Dana Ortansa Dorohoi, Irina Gradinaru, IC-ANMBES 2018 – May 23-25, 2018 Brasov, Romania, prezentare orala

Prof. dr. Horia Chiriac (retired) (3 presentations with evidence)

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020

1.A Jitariu, C. Ghemes, N. Lupu, H. Chiriac, "Magnetoresistive sensor for magnetic particles detection", IEEE ROMSC 2016, Iasi, Romania (2016) – prezentare orala - http://stoner.phys.uaic.ro/images/stoner_site/ieee/romsc/2016/Program_IEEE_ROMSC_2016_final.pdf (pg.1.si 5)

2.A. Jitariu, H. Goripati, C. Ghemes, O. Dragos, N. Lupu, H. Chiriac, "GMR sensors and microfluidic devices for biomedical applications", The Second CommScie International Conference: Challenges for Sciences and Society in Digital Era, Iasi, Romania (2015) - poster http://hmm2015.uaic.ro/00_ALL_HMM_ABSTRACT_BOOK_final_v1.1.pdfhttp://hmm2015.uaic.ro/00_ALL_HMM_ABSTRACT_BOOK_final_v1.1.pdf. p.17

3.A. Donac, S. Corodeanu, N. Lupu, H. Chiriac, The magnetic behavoir of thin FINEMET cold drawn microwires, 2nd CommScie International Conference "Challenges for Sciences and Society in Digital Era, 4 - 5 decembrie 2015, Iasi, Romania.http://hmm2015.uaic.ro/00_ALL_HMM_ABSTRACT_BOOK_final_v1.1.pdfhttp://hmm2015.uaic.ro/00_ALL_HMM_ABSTRACT_BOOK_final_v1.1.pdf. p.17

Prof.dr. Alexandru Stancu (one presentation with evidence)

DOCTORAL STUDENTS WHO HAVE NOT COMPLETED YET THE THESIS UNTIL OCT. 2020

1. D. MIHALCIUC , D.CIMPOESU, A. STANCUStudy of superparamagnetism in nanowires systems with strong demagnetizing fields IEEE ROMSC 24-25 IUNIE 2019 Iasi
http://stoner.phys.uaic.ro/images/stoner_site/ieee/romsc/2019/ROMSC_Program_2019-2.pdf
-p.2
http://stoner.phys.uaic.ro/images/stoner_site/ieee/romsc/2019/ROMSC_Program_2019-2.pdf
-p.17

Prof. dr. habil. Dorina Creanga(2 presentations with evidence)

DOCTORAL STUDENTS WHO HAVE NOT COMPLETED YET THE THESIS UNTIL OCT. 2020

1. POPESCU-LIPAN Larisa, FÂNARU Andreea, LEȘ A., CREANGĂ D., Cobalt ferrite nanoparticles for cleaning phenol loaded wastewater, The Scientific Symposium Biology and Sustainable Development, The 18th Edition, Bacau, Romania, 3 Decembrie **2020** Abstract book, p 53 ADEVERINATA IN ANEXA
2.Anda Les, Emilia Dorina Creangă, The Impact of Electric Discharge on Plant Growth during Early, Conferința Națională a Doctoranzilor de la Facultățile de Fizică din cadrul Universităților din Consorțiul Universitaria, 22-23 oct. 2020, https://profs.info.uaic.ro/~CSDCU_MIF2020/

Prof. Dr. habil. Liviu Leontie (10 presentations with evidence)

DOCTORAL STUDENTS WHO HAVE NOT COMPLETED YET THE THESIS UNTIL OCT. 2020

1. Garofalide Silvia Tudorița, Silviu Octavian Gurlui, Liviu Leontie, The analysis of polluting compounds due to the physico-chemical properties of environment, International Conference on Innovative Research (ICIR EUROINVENT 2020), Iasi, Mai 2020 (https://etti.utcluj.ro/anunturi_sc_doc/international-conference-on-innovative-research-icir-euroinvent-2020-will-be-held-in-iasi.html).
2. Garofalide Silvia Tudorița, Vasile PELIN, Silviu GURLUI, Ion SANDU, Liviu LEONTIE, The effects of urban air pollutants on some urban constructions in the Podul de Piatra area, of the Iasi city, Romania, Present Environment and Sustainable Development, XIV-th edition, Iași, 21 November 2020 (http://www.pesd.ro/Symposium%20Information.html).
3. P. Lisnic, L. Hroștea, M. Gîrtan, L. Leontie, Improved properties of FTO thin films deposited by spray pyrolysis for photovoltaic applications, 3rd International Conference Emerging Technologies

In Emerging Materials Engineering, organized by the National Research & Development Institute for Non-ferrous and Rare Metals - IMNR, Bucharest, Romania, - Poster Communications. https://imnr.ro/wp/anunturi/conferinta-internationala-tehnologii-emergente-in-ingineria-materialelor-emergemat-editia-a-3-a-29-30-octombrie-2019-bucuresti-romania/

4. L. Hroștea, P. Lisnic, M. Gîrtan, L. Leontie, Polymer and Polymer: Fullerene blend thin films-optical characterization by spectroscopic ellipsometry, 15-16 November 2018, The 6 th International Colloquium "Physics of Materials" (PM-6), University POLITEHNICA of Bucharest, Romania, ,. Session 4: Electronic, photonic and optoelectronic materials - Poster Communications (P.4.3). http://www.aosr.ro/wp-content/uploads/2018/11/Program-si-afis_site-AOSR_PM-6514.11.2018.pdf

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020

1. L. HROSTEA, L. LEONTIE, M. GIRTAN, Chemical Sensitization for Electric Properties Improvement of Fluorinated Polymer for Solar Cells Application, ICIR Euroinvent 2020, International conference on innovative research, 20 - 21 May 2020, Iași, Romania (o) – ***BEST ORAL PRESENTATION prize http://www.euroinvent.org/conference/***

2. L. HROSTEA, M. GIRTAN, L. LEONTIE, Comparison of physical properties of P3HT and PBDBT-T polymer thin films used in solar cells, JED3M, Brest, France, fev. 2019 (o) https://jed3mbrest2019.sciencesconf.org/data/pages/Planning_com_oral_rext.pdf

3. Otilia - Sanda PRELIPCEANU, Vasile PELIN, Marius Mihai CAZACU Gina TIRON, Liviu LEONTIE, Silviu Octavian,GURLUI, Ion SANDU, Alterarea suprafeţelor litice urbane sub influena compușilor chimici atmosferici, în regiunea aglomerării urbane Iași, Conferință Naţională FIZICA ŞI TEHNOLOGIILE EDUCAŢIONALE MODERNE Iași, 20 Mai 2017, http://ftem.faculty.ro/program_l4.html

4. Otilia Sanda Prelipceanu, Marius Mihai Cazacu Adrian Timofte , Gina Tiron , Liviu Leontie, Silviu Gurlui, Mineral dust impact on the amount of rainfall, in the North-Eastern part of Romania, ELSEDIMA International Conference, Cluj-Napoca, Romania, http://www.elsedima.ro/admin/media/Agenda_ELSEDIMA-2018-International-Conference.pdf

5. Otilia Sanda Prelipceanu, Mineral dust and meteorological observations: 5 years long systematic comparison in Northeast Romania, TIM 18 Physics Conference, Conference of PhD Students, Timișoara, https://timconference.uvt.ro/objectives_topics.php, 24 – 25 Mai, 2018

6.Iuliana Caraman, Igor Evtodiev, Liviu Leontie, Silvia Evtodiev, Dumitru Untila, Mihail Caraman, Corneliu Doroftei, Aurelian Carlescu, Oana Susu, Optical and photoelectric properties of submicrometer structures obtained by dry heat treatment of p– and n–InSe single crystals, 11th International Conference on Physics of Advanced Materials (ICPAM–11), September 8□14, 2016, Cluj–Npoca, Romania; Poster Session 1,Work T5–P4 (poster),

7. Liviu Leontie, Veaceslav Sprincean, Dumitru Untila, Iuliana Caraman, Ala Cojocaru, Oana Șușu, Oleg Lupan, Igor Evtodiev, Elmira Vatavu, Ion Tiginyanu, Aurelian Carlescu, Mihail Caraman, Synthesis and optical properties of Ga2O3 nanowires grown on GaS substrate, 12th International Conference on Physics of Advanced Materials (ICPAM–12) and 3rd Autumn School on Physics of Advenced Materials (PAMS–3), Heraklion (Greece), September 22 − 28, 2018; work T6–P2.

Hrostea Laura –winner of the 3MT (3 MINUTES THESIS) competition at UAIC-2020

Science popularization event:-Hrostea Laura, Science Festival of Pays de la Loire, Angers, Franta. 12 - 13.10.2019
-Hrostea Laura, Researchers' night, Iasi, 27.11.2020

Conferences attended by PhD students WITHOUT EVIDENCE

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020 (51 international conferences and one national conference)

1. Lacramioara Oprica, Marius Grigore, Andreea Verdes, Dorina Creanga, Irina Anca Popescu, Andreea Grigorescu, Diana Costin:„Antioxidant Properties Evidenced by Polyphenols Content in Two Romanian Red Grape Cultivars in Iasi Area", poster presentation in The 5thIEEE International Conference on E-Health and Bioengineering -EHB 2015 Grigore T. Popa University of Medicine and Pharmacy"; 2015, Iasi;
2.Irina-Anca Popescu, Andreea Teodor, Catalin Pricop,Veronica Tanasa, Diana Costin:„Data Analysis of Medical Exposures in Diagnostic and Interventional Radiology "; The 5th IEEE International Conference on E-Health and Bioengineering -EHB 2015 Grigore T. Popa University of Medicine and Pharmacy"; 2015, Iasi;
3. Irina Anca Popescu, Felicia Gradinariu, Andreea Teodor, Doina Havarneanu, Irina Alexandrescu, Diana Costin: „Utility and significance of biomarkers used in health status monitoring of ionizing radiation exposed personnel";The 6thIEEE International Conference on E-Health and Bioengineering -EHB 2017„Grigore T. Popa University of Medicine and Pharmacy", Sinaia, Romania, 2017;
4. Damian Grigore, Teodor Andreea, Popescu Irina Anca,Creanga Dorina Emilia:„Electron Paramagnetic Resonance Investigations Of Ultraviolet Irradiated Prednisone";The 6thIEEE International Conference on E-Health and Bioengineering -EHB 2017„Grigore T. Popa University of Medicine and Pharmacy", Sinaia, Romania, 2017
5 .Vasilica Gafton, Ioan Dumitru, Ovidiu F Caltun, Adrian Borhan, Alexandra R Iordan, Mircea N Palamaru 14th International Balkan Workshop on Applied Physics, Constanta, 2-4 Iulie 2014, Synthesis and characterization of manganese ferrites nanopowders - poster
6. Vasilica Gafton, Ioan Dumitru, Ovidiu F Caltun, Adrian Borhan, Alexandra R Iordan,
Mircea N Palamaru Conferinta Internationala Electroceramics XIV, 16-20 Iunie 2014, Bucuresti, Comparative study of magnetic properties manganese ferrites nanoparticles obtained with different combustion agents - poster
7. Dorina Creanga, Emil Puscasu, Gabriela Vochita, Cosmin Mihai, Iron oxide nanoparticles and their biological impact, The fifth edition of the International Colloquium 'Physics of Materials' - PM-5, Bucuresti, Romania, -30- 10-11.11.2016.
8. Emil Puscasu, Liviu Sacarescu, Nicoleta Lupu, Marian Grigoras, Maria Balasoiu, Dorina Creanga, "Iron oxide nanostructures – investigation of microstructural and magnetic properties", III International Conference on Small Angle Neutron Scattering 169 dedicated to 80th anniversary of Yu. M. Ostanevich, Rusia, Dubna, 06-09.06.2016.
9. Lacramioara Oprica, Claudia Nadejde, Maria Andries, Emil Puscasu, Dorina Creanga, Maria Balasoiu, "Magnetic contamination of environmentlaboratory simulation based on mixed iron oxides

influence on microorganism cells”, The fourth edition of the International Colloquium 'Physics of Materials' - PM-4, Romania, Bucharest, 13-14.11.2014

10. Lacramioara Oprica, Claudia Nadejde, Maria Andries, Emil Puscasu, Dorina Creanga, Maria Balasoiu, “Experimental study on the impact of engineered particles on environmental microflora”, 2nd International Conference on Chemical Engineering, Romania, Iasi, 05-08.11.2014

11. Claudia Nadejde, Maria Andries, Emil Puscasu, Gabriel Oanca, Laura Ursu, “Nanostructured materials with magnetic properties in stable colloidal form”, 12th Young Researchers’ Conference – Belgrad, 11- 13.12.2013

12. Maria Andries, Daniela Pricop, Marian Grigoras, Nicoleta Lupu, Liviu Sacarescu, Dorina Creanga, Felicia Iacomi, Comparative study on the uptake and bioimpact of metal nanoparticles released into environment, 10th Biennial International Conference on Processes in Isotopes and Molecules (PIM 2015), 2015, Cluj-Napoca, Romania; 34

13. Maria Andries, Daniela Pricop, Raul Lupusoru, Emil Puscasu, Felicia Iacomi, Dorina Creanga, Light wavelength influence on surface Plasmon resonance in citrate-gold nanosystems, XIIIth International conference on molecular spectroscopy - From molecules to molecular materials, molecular biological systems and nanostructures, 2015, Wrocław, Polonia;

14. Emil Puscasu, Maria Andries, Mihaela Racuciu, Felicia Iacomi, Dorina Creanga, Expermimental study on the core-shell interactions in the case of magnetic grains coated with organic molecules, XIIIth International Conference on Molecular Spectroscopy-From Molecules to Molecular Materials, Molecular Biological Systems and Nanostructures, 2015, Wrocław, Polonia;

15. Maria Andries, Daniela A. Pricop, Lacramioara Oprica, Dorina Creanga and Felicia Iacomi, The effect of visible light on gold nanoparticles and some bioeffects on environmental fungi, The 8th international conference on advanced materials–ROCAM,2015, Bucuresti, Romania;

16. Maria Andries, Nanostructured materials with magnetic properties - impact on environmental microflora, 9th Central European Training School on neutron technique - CETS2015, 2015, Budapesta, Ungaria;

17.Lacramioara Oprica, Gina Balan, Carmen Popescu, Rodica Muresan, Daniela Pricop, Maria Andries, Augustin Muresan, Investigation of the chemical treatment effect on the environmental fungi, 2nd International Conference on Chemical Engineering, 2014, Iasi, Romania;

18.Emil Puscasu, Claudia Nadejde, Dorina Creanga “Stable colloidal suspension of magnetite nanoparticles for applications in life sciences”, PAMS 1- Iasi, 22-28.09.2014 (poster scoala de toamna)

19.Oanca Gabriel, Multiscale simulation of monoamine oxidase catalyzed reactions, IEEE International Conference On E-Health And Bioengineering (EHB), Sinaia, Romania, June 22-24, 2017 (prezentare orala).

20.E. Puscasu, L. Sacarescu, N. Lupu, G. Oanca, M. Balasoiu, D. Creanga, Magnetic nanoparticle with surface modification for biomedical utilization –chemical route and sol-gel method, NANOAPP International Scientific Conference on Nanomaterials & Applications, 23-26 June 2015, Maribor - Slovenia (poster)

21.Gabriel Oanca, Claudia Nadejde, Adrian Fifere, Antonina Gritco (Todirascu), Dorina Creanga, Dana-Ortansa Dorohoi, Jernej Stare; Solvatochromic study on chlortetracycline in binary and ternary solutions, aXIII-a Conferinta Internationala de Spectroscopie Moleculara (Wroclaw, Polonia,septembrie 2015); XIII-the ICMS (poster).

22.Gabriel Oanca, Jernej Stare, Antonina Gritco (Todirascu), Dorina Creanga, Dana-Ortansa Dorohoi,Substituent influence on the spectra of some benzo-f-quinoline derivatives, aXIII-a

Conferinta Internationala de Spectroscopie Moleculara (Wroclaw, Polonia, septembrie 2015)(poster)
23. Quantum Mechanical and Spectral Study of Fluorescein, A. C. Calugaru-Morosanu, A. Gritco, D. G. Dimitriu, D. O. Dorohoi, C. Cheptea, The 6th IEEE International Conference on E-Health and Bioengineering - EHB 2017, Grigore T. Popa University of Medicine and Pharmacy, June 22-24, 2017, Sinaia, Romania - Prezentare orala
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42. Aurelia Apetrei, Andrei Ciucă, Jong-kook Lee, Chang Ho Seo, Yoonkyung Park, Tudor Luchian, "Tuning the Interaction Environment for Single Nanopore-based Sensing of Gram-negativeBacterial Cells", IC-ANMBES 2016 (Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences) 29 Iunie – 1 Iulie, 2016, Brasov. Prezentare poster

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44. The 15th National Conference of Biophysics– CNB, 7-10 Septembrie 2018, Bucuresti, Romania. Prezentare poster: "Breaking Apart Molecular Dimers with Nanopores", Andrei Ciuca, Alina Asandei, Irina Schiopu, Aurelia Apetrei, Loredana Mereuta, Chang Ho Seo, Yoonkyung Park and Tudor Luchian

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2. S Garofalide, M Diaconu, I Cocean, A Cocean, V Pelin, S Gurlui and L Leontie, Study of physico-chemical characteristics of some major urban air pollutants, International Conference on Innovative Research, May 21st to 22nd, 2020, Iaşi, Romania

3. A. Dascălu, A. Demeter, K. Shimizu, L. Sîrghi, „Water activations by surface dilectric barrier discharge microplasma in air", 16th International Conference on Global Research and Education, Iași, România, 25-28 septembrie **2017**

4. A. Dascălu, F. Samoilă, L. Sîrghi, „Atomic force microscopy study of dielectric degradation in surface DBD in closed volume air",11th International Conference on Physics of Advanced Materials, Cluj-Napoca, Romania, (poster), 8-14 septembrie **2016**

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6. Mihaela-Diana Mihalciuc, Dorin Cimpoesu, Cristian Enachescu, Alexandru Stancu - Thermal stability in 2D nanowire arrays-, 18.12.2019, IEEE Scientific Meeting,Iasi

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10. Andries Maria, Popescu Larisa, Lacramioara Oprica, Liviu Sacarescu, Dorina Creanga, Study on the interface phenomena of citrate/Ag colloidal nanosystems with some microorganisms, RICCCE20, Brasov, Romania, Septembrie, 2017

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12. Lacramioara Oprica, Larisa Popescu, Maria Balasoiu, Alexander Kuklin, Dorina Creanga, Silver nanoparticles sy nthesized by green chemistry method and their bioimpact on environmental microorganisms, IC-ANMBES 2018, 23 - 25 May, 2018, Brasov, Romania

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Prof.dr. Liliana Mitoseriu:

1. C.S. Olariu, Ioana Veronica Ciuchi, L. Mitoseriu, C.E. Ciomaga, Title: Metodă tehnică de determinare a factorului de umplere volumică a fazei minerale din biocompozitele osoase, Nr. OSIM A/00856, 04.03.2014.

Prof. dr. Tudor Luchian

1.PARK Y, LUCHIAN T, APETREI A, CIUCA A - 'Sensor for detecting bacteria within aqueous sample, has container for containing fluid included with electrolyte, and measuring apparatus for measuring change of electric signal between first fluid compartment and second fluid compartment', Patent Number(s): KR2018108281-A; KR1909446-B1, Patent Assignee Name(s) and Code(s): UNIV CHOSUN IND ACADEMIC COOP FOUND(CHOS-C), Derwent Primary Accession Number: 2018-783708

(Indicator B.3.1.1. Accreditation of doctoral fields) For the evaluated field there is at least one article or another relevant contribution per doctoral student who has obtained the title of doctor in the last 5 years. The members of the evaluation commission select for analysis, at random, 5 such relevant articles / contributions per field of doctoral studies. At least 3 of the selected articles present significant original contributions in the field concerned)

The papers can be find in Annex 31 / completed PhD students, in the file corresponding to each supervizor, or the identifier DOI is given

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1.C. Dariescu, M. A. Dariescu, A. Bodnarescu, *The AdS_5 Warp of Spatially Hyperbolic Universes, Spinless Modes and Spectra and the corresponding Wheeler-DeWitt Schrodinger-like Equation*, International J. of Theoretical Physics 55, No. 2, p. 1116-1127 (2016).

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Spatially – Flat Robertson – Walker Models with combined ΛCDM and stiff matter sources and the corresponding thermodynamics, Marina–Aura Dariescu, Denisa–Andreea Mihu, Ciprian Dariescu, Romanian Journal of Physics, 62, Nr. 1-2, 101 (2017)

Prof. dr. Dumitru Luca

1. Tailoring the Surface Functionalities of Radio Frequency Magnetron-Sputtered ZnO Thin Films by Ar/NH3 Gas Mixture Surface-Wave Plasmas, Mihai Alexandru Ciolan, Iuliana Motrescu, Kuniaki Sugiura, Dumitru Luca, and Masaaki Nagatsu, Langmuir, 2018, 34, 38, 11253-11263.

2. Synthesis and characterization of RF sputtered WO3/TiO2 bilayers, M. Dobromir, R.P. Apetrei, S. Rebegea, A.V. Manole, V. Nica, D. Luca, Surface and Coatings Technology, Volume 285, 15 January 2016, Pages 197-202

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2. Field-induced antiferroelectric to ferroelectric transitions in (Pb1-xLax)(Zr0.90Ti0.10)(1-x)/O-4(3) investigated by in situ X-ray diffraction, Ciuchi, I. V.; Chung, C. C.; Fancher, C. M.; et al., JOURNAL OF THE EUROPEAN CERAMIC SOCIETY Volume: 37 Issue: 15 Pages: 4631-4636 Published: DEC 2017
3.Role of the pore interconnectivity on the dielectric, switching and tunability properties of PZTN ceramics, Padurariu, Cipriana; Padurariu, Leontin; Curecheriu, Lavinia; et al., CERAMICS INTERNATIONAL Volume: 43 Issue: 7 Pages: 5767-5773 Published: MAY 2017
4. Tailoring the functional properties of PLZT-BaTiO3 composite ceramics by core-shell approach, Curecheriu, Lavinia-Petronela; Buscaglia, Maria Teresa; Maglia, Filippo; Cipriana Padurariu, Gabriela Ciobanu, Umberto Anselmi-Tamburini, Vincenzo Buscaglia, *and* Liliana Mitoseriu, JOURNAL OF APPLIED PHYSICS Volume: 121 Issue: 14 Article Number: 144101 Published: APR 14 2017
5.Functional properties of randomly mixed and layered $BaTiO_3$-$CoFe_2O_4$ ceramic composites close to the percolation limit, Alexandra Guzu, C.E. Ciomaga, M. Airimioaei, L. Padurariu, L.P. Curecheriu, I. Dumitru, Gheorghiu, F. Gheorghiu, G. Stoian, M. Grigoras, N. Lupu, M. Asandulesa, Liliana Mitoseriu, J. Alloys & Compounds Volume: 796 Pages: 55-64 (2019) ISI: 4.650,DOI: 10.1016/j.jallcom.2019.05.068 (Articolul in atasament)
6. Comparative study of magnetoelectric BaTiO3-Co0.8Zn0.2 Fe2O4 bi-tunable ceramics sintered by Spark Plasma Sintering and classical method, C.E. Ciomaga, Alexandra Guzu, M. Airimioaei, L.P. Curecheriu, V.A. Lukacs, O.G. Avadanei, G. Stoian, M. Grigoras, N. Lupu, M. Asandulesa, Liliana Mitoseriu, Ceramics International Volume: 45 Issue: 18, Pages: 24168-24175 Part: A (2019) ISI: 3.83 DOI: 10.1016/j.ceramint.2019.08.125 (Articolul in atasament)

Prof.dr. habil. Liviu Leontie

1.M. M.Cazacu, O. G. Tudose, A. Timofte, O. Rusu, L. Apostol, L. Leontie, S. Gurlui
A case study of the behavior of aerosol optical properties under the incidence of a saharan dust intrusion event, Applied Ecology and Environmental Research, 14 (3) (2016) 183-194.

2.Hrostea, L; Leontie, L; Dobromir, M; Doroftei, C; Girtan, M, On the Electrical and Optical Properties Stability of P3HT Thin Films Sensitized with Nitromethane Ferric Chloride Solutions, Coatings (10) 11, (2020), DOI: 10.3390/coatings10111074

3. Hrostea, L, L. Leontie, M. Girtan, Chemical Sensitization for Electric Properties Improvement of PBDB-T-SF Polymer for Solar Cells Application, IOP Conf. Series: Materials Science and Engineering, DOI: 10.1088/1757-899X/877/1/012002

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7.A. Chirap, Prelipceanu, O.-S, M. M. Cazacu, M. Prelipceanu and L. Leontie, "Innovative Internet of Things Healthcare Applications based on Green Power Energy," 2019 International Conference on Sensing and Instrumentation in IoT Era (ISSI), Lisbon, Portugal, 2019, pp. 1-6, , doi: 10.1109/ISSI47111.2019.9043660, https://ieeexplore.ieee.org/document/9043660

8.L. Leontie, R. Danac, A. Carlescu, C. Doroftei, G. G. Rusu, V. Tiron, S. Gurlui, O. Susu, Electric and optical properties of some new functional lower–rim–substituted calixarene derivatives in thin films, Applied Physics A–Materials Science & Processing, 124 (5) (2018), 355. DOI: 10.1007/s00339–018–1784–1.

9.I. Caraman, S. Evtodiev, D. Untila, L. Palachi, O. Susu, I. Evtodiev, V. Kantser, Optical and Photoelectric Properties of Planar Structures Obtained by Thermal Annealing of Ga2S3 Plates in Zn Vapors, Physica Status Solidi A–Applications And Materials Science, 214 (12) (2017), 1700808, DOI: 10.1002/pssa.201700808

10.I. Caraman, L. Dmitroglo, I. Evtodiev, L. Leontie, D. Untila, S. Hamzaoui, M. Zerdali, O. Susu, G. Bulai, S. Gurlui, Optical properties of ZnO thin films obtained by heat treatment of Zn thin films on amorphous SiO2 substrates and single crystalline GaSe lamellas, Thin Solid Films, 617 (B), (2016), 103–107, DOI: 10.1016/j.tsf.2016.01.027;

11.R. Danac, L. Leontie, A. Carlescu, S. Shova, V. Tiron, G. G. Rusu, F. Iacomi, S. Gurlui, O. Susu**,** G. I. Rusu, Electric conduction mechanism of some heterocyclic compounds, 4,4 '–
bipyridine and indolizine derivatives in thin films, Thin Solid Films, 612, (2016), 358–368, DOI: 10.1016/j.tsf.2016.06.012.

Prof. dr. Felicia Iacomi

1.R. Danac, L. Leontie, A. Carlescu, S. Shova, V. Tiron, G.G. Rusu, F. Iacomi, S. Gurlui, O. Susu, G.I. Rusu, Electric conduction mechanism of some heterocyclic compounds, 4,4?-bipyridine and indolizine derivatives in thin films, Thin Solid Films, 612 (2016)358-368

2. M. Andries, D. Pricop, L. Oprica, D.-E. Creanga, F. Iacomi, The effect of visible light on gold nanoparticles and some bioeffects on environmental fungi, International Journal of Pharmaceutics, 505 (1-2) (2016) 255-261.
3.Puscasu, E.,Sacarescu, L. Lupu, N. Grigoras, M. Oanca, G. Balasoiu, M. Creanga, D., Iron oxide-silica nanocomposites yielded by chemical route and sol–gel method, J. Sol-Gel Sci. Technol., 79(3), 457–465, 2016
4. A. Cocean, V. Pelin, M. M. Cazacu, I. Cocean, I. Sandu, S. Gurlui, F. Iacomi, Thermal effects induced by laser ablation in non-homogeneous limestone covered by an impurity layer, Applied Surface Science 424 (2017) 324–329), http://dx.doi.org/10.1016/j.apsusc.2017.03.172
5. Suchea, M; Tudose, IV; Ionita, S ; Sandu; Iacomi, F; Koudoumas, E, ZnO Nanostructures for Potential Applications in Organic Solar Cells, REVISTA DE CHIMIE, 6 12 (2015) 2044-2046.

Prof. dr. Maricel Agop
1. The Role of Information in the Transmission of Interactions at Nanoscale, M Agop, D Tesloianu, I Nedelciuc, V Ghizdovat, S Irimiciuc, Quantum Matter 6 (1), 66-73 (2017)
2. A compact non-differential approach for modeling laser ablation plasma dynamics, SA Irimiciuc, S Gurlui, P Nica, C Focsa, M Agop, Journal of Applied Physics 121 (8), 083301 (2017)
3. Langmuir probe investigation of transient plasmas generated by femtosecond laser ablation of several metals: Influence of the target physical properties on the plume dynamics, SA Irimiciuc, S Gurlui, G Bulai, P Nica, M Agop, C Focsa, Applied Surface Science 417, 108-118(2017)
4.New mechanisms of vesicles migration, Aursulesei, V.; Vasincu, D.; Timofte, D.; Vrajitoriu, L.; Gatu, I. ; Iacob, DD.; Ghizdovat, V. ; Buzea, C ; Agop, M.GENERAL PHYSIOLOGY AND BIOPHYSICS,Volume: 35,Issue: 3 Pages: 287-298, 2016
5.The Classical Theory of Light Colors: a Paradigm for Description of Particle Interactions, Mazilu, N. ; Agop, M. ; Gatu, I. ; Iacob, DD. ; Butuc, I.; Ghizdovat, V., INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, volume: 55, 6, 2773-2793, 2016
6. Dispersive effects in laser ablation plasmas,Irimiciuc, S.A. ; Agop, M; Nica, P.; Gurlui, S. ; Mihaileanu, D ; Toma, S.; Focsa, C , JAPANESE JOURNAL OF APPLIED PHYSICS, Volume: 53,11, Article Number: 116202, 2014
7.Order to Chaos Transition in Plasma via Non-Differentiability: Experimental and Theoretical Investigations,Agop, M; Dimitriu, DG; Vrajitoriu, L ; Boicu, M ,JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, volume: 83, 5, article Number: 054501, 2014
8. The Classical Theory of Light Colors: a Paradigm for Description of Particle Interactions,Mazilu, N; Agop, M ; Gatu, I ; Iacob, DD ; Butuc, I; Ghizdovat, V, INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, Volume: 55,6, Pages: 2773-2793, 2016

Prof. dr. Caltun Ovidiu
1. Gafton, EV; Bulai, G; Caltun, OF; Cervera, S; Mace, S; Trassinelli, M;Steydli, S; Vernhet, D, Structural and magnetic properties of zinc ferrite thin films irradiated by 90 keV neon ions, APPL SURF SCI, vol. 379, pp.
171-178, (2016) 10.1016/J.APSUSC.2016.04.015

Conf. dr. habil. Silviu GURLUI

1.A. Cocean, I. Cocean, M.M. Cazacu, G. Bulai, F. Iacomi, S. Gurlui, Atmosphere self-cleaning under humidity conditions and influence of the snowflakes and artificial light interaction for water dissociation simulated by the means of COMSOL, (2018) Applied Surface Science, 443, pp. 83-90.
2. I. Cocean, A. Cocean, F. Iacomi, S. Gurlui, City water pollution by soot-surface-active agents revealed by FTIR spectroscopy, Applied Surface Science 499 (2020) 142487
3. I. Cocean, A. Cocean, C. Postolachi, V. Pohoata, N. Cimpoesu, G. Bulai, F. Iacomi, S. Gurlui, Alpha keratin amino acids BEHVIOR under high FLUENCE laser interaction. Medical applications, (2019) Applied Surface Science, 488, pp. 418-426.

(Indicator * B.3.1.2. Doctoral field accreditation) The ratio between the number of presentations of doctoral students who completed their doctoral studies in the evaluated period (last 5 years), including those of poster type, exhibitions, made at international events of prestige (conducted in the country or abroad) and the number of doctoral students who completed their doctoral studies in the evaluated period (last five years) is at least equal to 1.

The table below gives all the doctoral dissertations that took place during the period oct 2015 – sept 2020 (https://www.phys.uaic.ro/index.php/scoala-doctorala/sustineri-teze-doctorat/):

Nr. crt.	Name	No. of Participations in international conferences = 90 WITH EVIDENCE
1	CARLESCU Aurelian	4
2	ATITOAIE Alexandru	1
3	CIOLAN Mihai-Alexandru	2
4	BOICU Maria	0
5	JIJIE Roxana	1
6	BODNARESCU Adrian	0
7	GAFTON Elena-Vasilica	1
8	BABUSCA Daniela	7
9	OANCA Gabriel	0
10	DAMIAN Alina cas Donac	1
11	MIHAILEANU Doina	0
12	JITARIU Andrei-Claudiu	2
13	GHIZDOVAT Vlad	0
14	IACOB Dan-Dezideriu	0
15	GATU Irina-Nicoleta	0
16	BUDEANU Luiza-Camelia, cas. RACILA	2
17	IRIMICIUC Stefan-Andrei	12
18	CIUCHI Ioana-Veronica	3
19	MIHU Denisa-Andreea	2
20	PUSCASU Emil	3
21	ANDRIES Maria	2
22	PADURARIU Cipriana cas. CIOCLEA	0
23	SAMOILA Florentina	7
24	VRAJITORIU Lucia cas. MARIN	0
25	CALUGARU Cezarina cas. MOROSANU	4
26	GRITCO Antonina cas. TODIRASCU	1
27	SCRIPA Adina-Elena cas. TUDOSE	1
28	VERDES Andreea cas. TEODOR	1

29	CIUCA Andrei	2
30	COJOCARU Oana cas. RUSU	0
31	TEODORESCU-SOARE CLAUDIA-TEODORA	1
32	COCEAN ALEXANDRU	2
33	TIMOFTI OANA (căs. ȘUȘU)	2
34	DEMETER PETRUȚA-ALEXANDRA (căs. DIACONU)	5
35	GALAI OTILIA SANDA (căs. PRELIPCEANU)	1
36	GUZU ALEXANDRA (căs. MAFTEI)	3
37	COCEAN IULIANA	6
38	BENCHEA ANDREEA-CELIA (căs. HRISTEA)	5
39	DRAGOMIR ISABELA ȘTEFANIA	3
40	HROȘTEA LAURA	2
41	IONIȚĂ N. ȘTEFAN	1

In the interval 10.2015-09.2020, 41 doctoral theses were defended.
Number of presentations at international events: 90 with evidence, and 51 without evidence:

90/41=2.2
141/41=3.4

We present below the papers presented personally at international conferences by the doctoral students who completed the thesis:

Prof. dr. Lucel Sirghi (12 presentations with evidence)

1.Florentina Samoila, Viorel Anita, Lucel SIRGHI, Cleaning of silicon surface by surface dielectric barrier discharge, The XXXII edition of the International Conference on Phenomena in Ionized Gases-ICPIG July 2015. (poster)
2.Florentina Samoila, Alexandra Demeter, Vasile Tiron, Lucel Sirghi, Wettability of TiO2 Nano-patterns obtained by Reactive high power magnetron sputtering deposition, 4th Magnetron, Ion processing & Arc Technologies Conference (MIATEC), 14th International Symposium on Reactive Sputter Deposition, 8-11 Decembre 2015, Paris, France. (poster)
3.Florentina Samoila, Vasile Tiron, Alexandra Demeter, Dana Stanescu, Helene Magnan, Lucel Sirghi, Visible light photocatalytic activity of TiOxNy thin films obtained by reactive multi-pulse High power impulse magnetron sputtering deposition, European Materials Research Society, May 2-6, 2016, Lille, France. (poster)
4.Alexandra Demeter, Florentina Samoila, Ilarion Mihaila, Vasile Tiron, Dana Stanescu, Helene Magnan, Lucel Sirghi, Photocatalytic activity of ZnON thin films deposited by HiPIMS on substrates with controlled roughness, European Materials Research Society, May 2-6, 2016, Lille, France. (poster)
5.F. Samoila, A. Besleaga, L. Sirghi, Atomic force microscopy study of contamination process of glass surface exposed to oleic acid vapors, The 15th International Conference on Global Research and Education (InterAcademia 2016), September 26-28, 2016, Varsovia, Polonia. (poster)
6.F. Samoila, A. Besleaga, L. Sirghi, Atomic force microscopy study of contamination process of glass surface exposed to oleic acid vapors, The 15th International Conference on Global Research and Education (InterAcademia 2016), September 26-28, 2016, Varsovia, Polonia. (oral)

7.L. Sirghi, F. Samoila, V. Anita, Cleaning of silica surfaces by surface dielectric barrier discharge plasma, The 15th International Conference on Global Research and Education (InterAcademia), September 26-28, 2016, Varsovia, Polonia. (oral – short presentation)
8. Alexandra Demeter, Florentina Samoila, Lucel SIRGHI, *AFM study of surface forces involved colloidal mask self-assembling*, The International Conference on Global Research and Education–INTER-ACADEMIA Japonia 2015**. (oral)**
9. Alexandra Demeter, Vasile Tiron, Florentina Samoila, Ovidiu Vasilovici, Lucel Sirghi, *TiO2 thin film deposition by reactive multi-pulse HiPIMS*, 6th International Conference on Fundamentals and Industrial Applications of HIPIMS, 10 - 11 June 2015, Braunschweig, Germania. (poster)
10. Alexandra Demeter, Florentina Samoila, Vasile Tiron, Claudiu Costin, Lucel Sirghi, *TiO2 nano-patterns obtained by reactive high power magnetron sputtering and colloidal lithography*, 4th Magnetron, Ion processing & Arc Technologies Conference (MIATEC), 14th International Symposium on Reactive Sputter Deposition, 8-11 Decembrie 2015, Paris, Franţa. (**poster**) **AWARD-WINNING WORK**

11. Alexandra Demeter, C. Costin, L. Sirghi, *Monte Carlo simulation of surface etching with colloidal mask*, The XXXII edition of the International Conference on Phenomena in Ionized Gases (ICPIG), Iaşi, Romania, 26-31 iulie 2015. (poster)
12. Alexandra Demeter, Vasile Tiron, Lucel Sirghi, *Plasmonic behaviour of titanium 2D nanopatterns obtained by magnetron sputtering deposition with colloidal masks*, The 16th International Conference on Global Research and Education (InterAcademia), September 25-28, 2017, Iaşi, Romania. (**poster**)

Prof. dr. Marina Aura Dariescu (2 presentations with evidence)

1.Mathieu functions describing particles in electromagnetic waves, Denisa–Andreea Mihu, Marina–Aura Dariescu, Conferinta de Fizica TIM, 25- 27 Mai 2017, Timisoara, Romania (prezentare orala). AIP Conference Proceedings 1916, 020006-1 (2017)
2.Parametric induced instabilities of magnetars crust, Marina–Aura Dariescu, Denisa–Andreea Mihu, Ciprian Dariescu, Conferinta Stiintifica Internationala "Mathematical Modelling, Processes and Systems", 13- 16 Decembrie 2017, Borovets, Bulgaria (prezentare orala), Conference Proceedings, ISSN 2535-0978, pgs. 16-20.

Prof.dr. Tudor Luchian (6 presentations with evidence)

1. Alina Asandei, Isabela S. Dragomir, Tudor Luchian, Aldo E. Rossini, Mauro Chinappi, Yoonkyung Park, *Readout of Small Peptides Primary Structure, with a Protein Nanopore*, The 5th International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences IC-ANMBES, May 2018 , Brașov, Romania,***Best Poster Award***
2.Corina Ciobanasu, Isabela S. Dragomir, Aurelia Apetrei, Tudor Luchian, *Penetrating Properties of LyP-1 Homing Peptides in Giant Unilamellar Vesicles,* The 5th International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental SciencesIC-ANMBES, May 2018, Brașov, Romania
3. Isabela S. Dragomir, A. Asandei, A. Ciucă, G. Di Muccio, M. Chinappi, Y. Park, T. Luchian, *Sidedness-Dependence of Current Fluctuations Caused by Serine-Containing Peptides Interacting*

with the α-HL Nanopore, The 12th EBSA/The 10th ICBP-IUPAP Biophysics Congress, Biophysics for Life and Technology, Madrid 20-24 July 2019, Spain

4 . Irina Anca Popescu, Felicia Gradinariu, Andreea Teodor VERDES, Doina Havarneanu, Irina Alexandrescu, Diana Costin: „Utility and significance of biomarkers used in health status monitoring of ionizing radiation exposed personnel";The 6thIEEE International Conference on E-Health and Bioengineering -EHB 2017„Grigore T. Popa University of Medicine and Pharmacy", Sinaia, Romania, 2017;

5. IC-ANMBES 2018 (Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences) 23-25 Mai 2018, Brasov, Romania.
Prezentare poster: "Single-Molecule Study of pH- and Salt Induced Conformational Changes of PAMAM-G1 and -G1.5 Dendrimers, with Protein Nanopores" Alina Asandei, Andrei Ciuca, Irina Schiopu, Aurelia Apetrei, Loredana Mereuta, Chang Ho Seo, Yoonkyung Park, Tudor Luchian.
6. Andrei Ciucă, Alina Asandei, Aurelia Apetrei, Irina Șchiopu, Loredana Mereuță, Chang Ho Seo, Yoonkyung Park, Tudor Luchian, Prezentare poster: "Uni-molecular study of the pH- and salt-dependent PAMAM dendrimers – α-hemolysinnanopore interactions", The 19th IUPAB congress and 11th EBSA congress, 16-20 Iulie, 2017, Edinburgh, UK.

Prof.dr. Liliana Mitoseriu (6 presentations with evidence)

1. I.V.Ciuchi, F. Craciun, L. Mitoseriu, C. Galassi, Dielectric Properties of La3+ doped PZT Ceramics across the antiferroelectric/ferroelectric phase boundary, PIEZO-Electroceramics for End-Users VIII conference, Maribor, Slovenia, January 2015 (oral)
2. I.V.Ciuchi, F.Craciun, M.Deluca, L. Mitoseriu and C.Galassi, Phase transitions and Curie Weiss behaviour in La3+ doped PZT 90/10 ceramics with compositions across the antiferroelectric/ferroelectric phase boundary, 13th European Meeting on Ferroelectricity, Porto, Portugal, July 2015 (Oral)
3. R. Pullar, I.V.Ciuchi, P. Galizia and C.Galassi, Novel TiO2-doped semiconducting hexagonal ferrites, 13th European Meeting on Ferroelectricity, Porto, Portugal, July 2015 (Poster)
4. M. Airimioaei, C. E. Ciomaga, A. Guzu, N. Horchidan, L. P. Curecheriu, N. Lupu, F. M. Tufescu, L. Mitoseriu, Study of microstructure and functional properties of layered BaTiO3– ferrite–BaTiO3 magnetoelectric composites obtained by SPS method, ECerS 2017,15th Conference & Exhibition of the European Ceramic Society Budapest, Hungary, July 9–13, 2017 **(prezentare poster)**
5. C. E. Ciomaga, M.Airimioaei, A. Guzu, O. Avadanei, N. Lupu, and L. Mitoseriu, Study of functional properties of ferroelectric-magnetic ceramic composites obtained by different synthesis method, International Conference CIEC 16, Torino, Italy, 9-11 September 2018 **(prezentare poster)**
6. C. E. Ciomaga, M. Airimioaei, A. Guzu, F. Gheorghiu, G. Stoian, M. Grigoraș, M. Asănduleasa, L. Pădurariu, L. Mitoșeriu, Comparative study of the functional properties magnetoelectric composites, ISAF-ICE-EMF-IWPM-PFM Joint Conference, 14-19 iulie 2019, Lausanne, Switzerland **(prezentare orală)**

Prof. Dr. Dumitru Luca (3 presentations with evidence)

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020

1. C.T. Teodorescu-Soare, M. Dobromir, G. Stoian, D. Luca, "Preparation of Nb-doped TiO2 nanotubes using magnetron sputtering", The 16th International conference on Global research and Education, Inter-Academia, (Iași, Romania, 25-28 September 2017) – publicat în Advances in intelligent systems and computing, vol. 660. Springer, pag. 191–199 (doi: 10.1007/978-3-319- 67459-9_25) – prezentare orală cu dovada
2. Novel approach for zinc oxide nanomaterials functionalization based on dry plasma processing, Mihai Alexandru Ciolan, Iuliana Motrescu, Dumitru Luca, Masaaki Nagatsu, lasma Sciences (ICOPS) held with 2014 IEEE International Conference on High-Power Particle Beams (BEAMS), 2014 IEEE 41st International Conference, Washington DC, USA. https://ieeexplore.ieee.org/abstract/document/7012382
3.Mihai Alexandru Ciolan, Cristina Stan, Iuliana Motrescu, D. Alexandroaei, C. P. Cristescu, Ghost-vibrational type resonance in double discharge plasma configuration laICPIG 2015, XXXII International Conference on Phenomena in Ionized Gases, Iasi 2015, P2.35

Prof. dr. Nicoleta Dumitrascu (one presentation with evidence)
1. Roxana Jijie, T. Teslaru, M. Dobromir, V. Pohoata, I. Topala, A. Barras, R. Boukherroub, N. Dumitrascu, Influence of carrier gas on the behavior of plasma polymerized polystyrene films in aqueous media, ICPIG 2015, XXXII International Conference on Phenomena in Ionized Gases,Iasi 2015, p4.58

Prof. dr. Caltun Ovidiu (one presentation with evidence)

1. E.V. Gafton, G.A. Bulai, I. Dumitru, O.F. Caltun, S. Cervera, M. Trassinelli, D. Vernhet, 5-10 Iulie, 2015: 20th International Conference on Magnetism ICM, Barcelona, Structural and magnetic properties of zinc ferrite thin films irradiated by slow highly charged ions – poster

Prof. dr. habil. Cristian Enachescu (one presentation with evidence)

1. Atitoaie, A; Stoleriu, L ; Tanasa, R; Stancu, A; Enachescu, C -Thermal hysteresis kinetic effects of spin crossover nanoparticulated systems studied by FORC diagram method on an Ising-like model - The International Symposium on Hysteresis Modeling and Micromagnetics(HMM) -18-20 May 2015, Iasi, (poster) – http://hmm2015.uaic.ro/00_ALL_HMM_ABSTRACT_BOOK_final_v1.1.pdf: abstract book pp.106

Prof. dr. Maricel Agop (12 presentations with evidence)

1.S. A. Irimiciuc, S. Gurlui, P. Nica, M.Agop, M.Osiac, C. Focsa, Langmuir probe Measurements in femptoseconds laser ablation of several metals, EMRS 11-15 may, 2015
2. S. A. Irimiciuc, S. Gurlui, P. Nica, M.Agop, Space and time resolved Langmuir probe investigations of nanosecond laser ablation plasma plumes, ICPAM-11, September 8–14, 2016, Cluj-Npoca, Romania **(awarded paper for the most original contribution)**

3. S. A. Irimiciuc, S. Gurlui, P. Nica, M.Agop, C. Focsa, Time –resolved electrical investigations of transient plasmas generated by femtosecond laser ablation of various metallic targets **(awarded poste-place 2)**, 10th International conference on photoexcited Process and applications ICPEPA-10, SEPT 2016, Brasov, Romania

4. S.A. Irimiciuc, S. Gurlui, P. Nica, M. Agop, C. Focsa, Plasma Induced by ns, ps and fs Laser Ablation: investigations on target-plasma relationship, European Materials Research Society Spring Meeting, 17-22 June 2018, Strasbourg, France

5. G. Bulai, S. Irimiciuc, V. Gafton, S. Gurlui, Rare earth doped cobalt ferrite thin films deposited by PLD: an in-situ plasma plume analysis, European Materials Research Society Spring Meeting, 17-22 June 2018, Strasbourg, France

6. Florin Enescu, Stefan-Andrei Irimiciuc, Nicanor Cimpoiesu, Horea Bedelean, Bianca Hodoroaba, Georgiana Bulai, Silviu Gurlui, Spatial and temporal analysis on plasma plumes generated by laser ablation on geo-materials, European Materials Research Society Spring Meeting, 17-22 June 2018, Strasbourg, France

7. Stefan Andrei Irimiciuc, Georgiana Bulai, Maricel Agop, Silviu Gurlui, Laser ablation plasma diagnosis for PLD thin layer quality control, European Materials Research Society Spring Meeting, 17-22 June 2018, Strasbourg, France

8. S. A. Irimiciuc, P. Nica, S. Gurlui, M. Agop, C. Focsa "Electrical Characterization of Femtosecond Laser-Produced Plasma from Various Metallic Targets", European Materials Research Society Spring Meeting, 2-6 May 2016, Lille, France

9. S. A. Irimiciuc, R. Boidin, G. Bulai, S. Gurlui, P. Nemec, V. Nazabal, C. Focsa, "Laser ablation of (GeSe2)100-x(Sb2Se3)x chalcogenide glasses : Influence of the target composition on the plasma plume dynamics", European Materials Research Society Spring Meeting, 2-6 May 2016, Lille, France

10. S.A. Irimiciuc,B.C. Hodoroaba, ,G.Bulai, S.Gurlui,P. Nica, M.Agop, C.Focs "Optical and electrical Diagnostics of Nanosecond Laser Ablation Plasmas", European Materials Research Society Spring Meeting, 2-6 May 2016, Lille, France

11. S. A. Irimiciuc, P. Nica, S. Gurlui, M. Agop, C. Focsa "A non-differentiable approach for modeling laser ablation plasma dynamics", European Materials Research Society Spring Meeting, 22-26 May 2017, Strasbourg, France

12.S. A. Irimiciuc, P. Nica,S. Gurlui, M. Agop, C. Focsa "Experimental investigations of transient plasma plumes generated by laser ablation in various temporal regimes", European Materials Research Society Spring Meeting, 22-26 May 2017, Strasbourg, France

Prof.dr. Maria Neagu (2 presentations with evidence)

1. L. Budeanu, M. Neagu, I.-L. Velicu, H. Chiriac, N. Lupu, The effect of ball milling process on magnetic and structural properties of $Fe_{73.5}Cu_1Nb_3Si_{15.5}B_7$ powders, 11th International Workshop on Amorphous and Nanostructured Magnetic Materials (ANMM), sept. 2015, Iași, România (prezentare poster);

2. . L. Budeanu, H. Chiriac, G. Stoian, N. Lupu, The role of process control agent on microstructure and magnetic properties of ball milled FINEMET powders, 8th Interational Conference on Advanced Materials (ROCAM), iul. 2015, București, România (prezentare poster);

Prof. dr. Felicia Iacomi (14 presentations with evidence)

1. L. Leontie, R.. Danac, A. Carlescu, F. Iacomi, N. Rosu, C. Dumea, M. Girtan, G. I. Rusu, DC conduction mechanism of some new lower rim substituted calixarenes derivatives in thin films, , prezentare poster ICPAM-10, Iasi, 2014**...member of teh local organizing committee**
2. A. Carlescu, C. Bernhard, F. Iacomi, Magnetoresistance in Spin-Valve Devices with Organic Semiconductor Spacer Alq3, 5th International Conference on NANO-structures SElf-Assembly Marseille, France, 7-11 July 2014 (poster)
3. Emil Puscasu, Maria Andries, Claudia Nadejde, Lacramioara Oprica, Dorina Creanga, Magnetic fluid preparation, characterization and environmental application, ICPAM 10, 2014, Iasi, Romania;
4.A. Cocean, I. Cocean, M. M. Cazacu,V. Pohoață, D. Pricop, S. Gurlui, F. Iacomi,Effects of silver interaction with light over textile dyestuffs chromophore groups in the reaction with hemp fabrics, International Photocatalysis Workshop AdvPhotoCat-E2017, Heraklion, Greece. 14-16 July 2017 – *Poster Presentation Alexandru Cocean*
5.A. Cocean, I. Cocean, L. Cojocaru, N. Cimpoesu, G. Bulai, F. Iacomi, S. Gurlui, Damage threshold of special mirrors obtained by pulsed laser deposition under high fluence irradiation. Experimental and theoretical overview in COMSOL, International Conference On Physics Of Advanced Materials (ICPAM-12), Technological Educational Institute of Crete, Heraklion, Greece, from 22nd of September to 28th of September, 2018 – oral presentation – *Oral presentation Alexandru Cocean*
6.I. Cocean, A. Cocean, M. M. Cazacu, V. Pohoață, D. Pricop, D. Țîmpu, S. Gurlui, F. Iacomi, Dyeing process for recovery of textile reactive dyestuffs from wastewaters using photocatalytic ability of garnet and turquoise gemstones, International Photocatalysis Workshop AdvPhotoCat-E2017, Heraklion, Greece. 14-16 July 2017 – *Oral presentation Iuliana Cocean*
7.I. Cocean, A. Cocean, L. Cojocaru, V. Pohoata, N. Cimpoesu, G. Bulai, F. Iacomi, S. Gurlui, Study of horn and wool keratin and shell chitosan PLD, film properties and its effects on hemp fabrics, International Conference On Physics Of Advanced Materials (ICPAM-12), Technological Educational Institute of Crete, Heraklion, Greece, from 22nd of September to 28th of September, 2018 – *Poster presentation Iuliana Cocean*
8. Emil Puscasu, Claudia Nadejde, Laura Ursu, Florin Brinza, Dorina Creanga, "Study on the optimization of some nanostructurated magnetic materials with potential biomedical applications", Conferinta Internationala a Scolilor Doctorale din Cadrul Universitatii „Alexandru Ioan Cuza" din Iasi, Romania, Iasi, 16.12.15
9. Claudia Nadejde, Maria Andries, Emil Puscasu, Florin Brinza, Laura Ursu, Dorina Creanga, Cristina Stan, Preparation of soft magnetic materials and characterization with investigation methods for fluid samples, Conferinta Internationala Physics of Materials Pm-4, 2014 Bucuresti, Romania;
10.Diaconu, O. Luca, S Ionita, D. Timpu, F. Iacomi, Structural investigation of surface and biological properties of some composite resins for dental reconstruction, prezentare poster ICPAM 10, 22-24 sept 2014.
11.Maria Andries, Lacramioara Oprica, Dorina Creanga, The influence of magnetic nanoparticles on the oxidative activity in cellulolytic fungi, PAMS 1, 2014, Iasi, Romania.
12. Raoul Lupusoru, Daniela A Pricop, Maria Andries, Marius Dobromir, Mihaela Avadanei, Felicia Iacomi, The influence of light exposure on photobiocatalytic properties of various sized gold nanoparticles, 11th International Conference on Physics of Advanced Materials (ICPAM-11), 8-12, 2016, Cluj Napoca, Romania;

13. Ramona Danac, Liviu Leontie, Aurelian, Carlescu, Corneliu Doroftei, George G.Rusu, Vasile Tiron, Oana Șușu, Silviu Gurlui, Mihaela Girtan, Synthesis and electric properties of some new lower-rim substituted calixarenes derivatives in thin films, 16th International Conference on Global Research and Education (INTER-ACADEMIA), September 25-28, 2017, Iasi, ROMANIA
14. P. Pascariu, A. Cârlescu, Liviu Leontie and M. Șuchea, Nanocomposites based on Ni/Polythiophene: structure and electrochemical properties, 16th International Conference on Global Research and Education (INTER-ACADEMIA), September 25-28, 2017, Iasi, ROMANIA

Conf. dr.habil.Silviu Gurlui (3 presentations with evidence)

1. I. Cocean, A. Cocean, V. Pohoata, L. Cojocaru, F. Husanu, S. Gurlui, F. Iacomi,Effect of soot – surface-active agents composites on air and water pollution, International Conference On Physics Of Advanced Materials (ICPAM-12), Technological Educational Institute of Crete, Heraklion, Greece, from 22nd of September to 28th of September, 2018 - *Oral presentation Iuliana Cocean*

2.I Cocean, M Diaconu, A Cocean, C Postolachi and S Gurlui, Landfill waste fire effects over town areas under rainwaters, International Conference on Innovative Research, May 21st to 22nd, 2020, Iaşi, Romania - *Oral presentation Iuliana Cocean*

3.A Cocean, I Cocean, C Postolachi, D Pricop, F Husanu and S Gurlui, Laser induced dyeing (LID) with Reactive Blue 21 on hemp fibers, International Conference on Innovative Research, May 21st to 22nd, 2020, Iaşi, Romania - *Oral presentation Iuliana Cocean*

Prof. Dana Dorohoi (retired) (19 presentations with evidence)

1.Solvatochromic study of two pyridazinium ylids binary solutions, D. Babusca, D. O. Dorohoi, The 15-th International Balkan Workshop on Applied Physics (IBWAP), 2-4 iulie 2015, Constanta, Romania. (POSTER_POSDRU)

2.Intermolecular interactions in ternary solutions of some pyridazium ylids described by the solvent empirical scales, D. Babusca, Dana Ortansa Dorohoi, Workshop on Condensed Matter Research by Means of Neutron Scattering Methods (CMRNS), 4-7 iulie 2015, Constanta, Romania. (POSTER_POSDRU)

3.Spectral and quantum-mechanical characterization of some compounds with biological activity, A. C. Benchea, D. Babusca D. O. Dorohoi, Workshop on Condensed Matter Research by Means of Neutron Scattering Methods (CMRNS), 4-7 iulie 2015, Constanta, Romania. (POSTER_POSDRU)

4. Spectral Study of Specific Interactions Between Zwitterionic Compounds and Protic Solvents, D. Babusca, C. Morosanu, D. O. Dorohoi, The XXXIX Colloquim Spectroscopicum Internationale (CSI), 30 august- 3 septembrie 2015, Figuera da Foz, Coimbra, Portugalia.(ORAL_POSDRU)

5.Quantum-mechanical study and spectral analysis of some derivatives of Rhodamine in solutions, A. C. Benchea, D. Babusca, D. G. Dimitriu, D. O. Dorohoi, The XXXIX Colloquim Spectroscopicum Internationale (CSI), 30 august-3 septembrie 2015, Figuera da Foz, Coimbra, Portugalia. (POSTER_POSDRU)

6.Spectral and Quantum Mechanical Studies of Dimerization Reaction of Some Carbanion Monosubstituted Pyridazinium Ylids, C. Morosanu, D. Babusca, D. O. Dorohoi, The XXXIX Colloquim Spectroscopicum Internationale (CSI), 30 august-3 septembrie 2015, Figuera da Foz, Coimbra, Portugalia. (POSTER_POSDRU)

7.Spectral and quantum mechanical study of some azo derivatives, D. Babusca, A. C. Morosanu, A. C. Benchea, D. G. Dimitriu, D. O. Dorohoi, 33-rd European Congress on Molecular Spectroscopy (EUCMOS), 30 iulie-4 august 2016, Szeged, Ungaria. (POSTER_POSDRU)... (Annex 33)

8.Spectral study of Rhodamine dyes in binary and ternary solutions, A. C. Benchea, D. Babusca, A. C. Morosanu, D. G. Dimitriu, D. O. Dorohoi, 33-rd European Congress on Molecular Spectroscopy (EUCMOS), 30 iulie-4 august 2016, Szeged, Ungaria(POSTER_POSDRU)).. . (Annex 33)

9.Spectroscopie moleculara aplicata in biologie, chimie si medicina, A. C. Calugaru-Morosanu, Colocviul International de Fizica Evrika Cygnus, 28-30 august 2015, Iasi, Romania. - Prezentare orala

10. Spectral Means to Estimate the Energy of Internal Interactions in Liquid Solutions, A. C. Calugaru-Morosanu, D. O. Dorohoi, IBWAP 2015, The 15th International Balkan Workshop on Applied Physics, July 2-4, 2015, Constanta, Romania - POSTER

11. Internal energy in liquids estimated by spectral means, A. C. Calugaru-Morosanu D. O. Dorohoi, 10th International Conference Processes in Isotopes and Molecules, 23-25 september 2015, Cluj-Napoca, Romania - POSTER

12. Specific and universal interactions in solutions of some zwitterionic compounds, A. C. Calugaru-MorosanuA. Gritco (Todirascu), D. E. Creanga, D. O. Dorohoi, 33rd European Congress on Molecular Spectroscopy, 30 July - 4 August 2016, Szeged, Hungary –POSTER (Annex 33)

13. A. Gritco, A. C. Calugaru-Morosanu , C. Dorina, The influence of solvent nature on the electronic absorption spectra of some organic compounds, Light and Photonics:Science and Technology, 1st International conference Light, may 22, 2015, Balti, Moldova

14. A.E. Scripa (Tudose), D.G. Dimitriu, D.O. Dorohoi, Linear birefringence dispersion of PET (poly ethyleneterephtalate) foils determined from visible channeled spectra, EUCMOS- 33rd European Congress on Molecular Spectroscopy, Szeged, Hungary, 30 July- 4 August, 2016. - POSTER) (Annex 33)

15. Quantum-mechanical study and spectral analysis of some derivatives of Rhodamine in solutions, Andreea Celia Benchea, D. Babusca, D.G. Dimitriu, D.O. Dorohoi, The XXXIX Colloquim Spectroscopicum Internationale (CSI), 30 august- 3 septembrie 2015, Figuera de Foz, Portugalia, prezentare poster, finantare POSDRU.

16. Spectral and quantum mechanical study of some azo derivatives, D. Babusca, A.C. Morosanu, Andreea Celia Benchea, D.G. Dimitriu, D.O. Dorohoi, 33rd European Congress on Molecular Spectroscopy (EUCMOS), 30 iulie - 4 august 2016 Szeged, Ungaria, prezentare poster

17. Spectral study of Rhodamine dyes in binary and ternary solutions Andreea Celia Benchea, D. Babusca, A.C. Morosanu Ana, D.G. Dimitriu, D.O. Dorohoi, 33rd European Congress on Molecular Spectroscopy (EUCMOS), 30 iulie-4 august 2016, Szeged, Ungaria, prezentare poster

18. Solvatochromism and quantum-mechanical study of 8-hydroxyquinoline: comparison of solvent scales, Andreea Celia Benchea, Dana Ortansa Dorohoi, Ion Hurjui, Loredana Hurjui, IC-ANMBES 2018 – May 23-25, 2018 Brasov, Romania prezentare poster

19. Human serum expression levels of monocyte chemoattractant protein-1 in type 2 diabetic subjects, Loredana Hurjui, Ionela Lacramioara Serban,Ion Hurjui, Andreea Celia Benchea, Liliana Foia, Dana Ortansa Dorohoi, Irina Gradinaru, IC-ANMBES 2018 – May 23-25, 2018 Brasov, Romania, prezentare orala

Prof. dr. Horia Chiriac (retired) (3 presentations with evidence)

1.A Jitariu, C. Ghemes, N. Lupu, H. Chiriac, "Magnetoresistive sensor for magnetic particles detection", IEEE ROMSC 2016, Iasi, Romania (2016) – prezentare orala - http://stoner.phys.uaic.ro/images/stoner_site/ieee/romsc/2016/Program_IEEE_ROMSC_2016_final.pdf (pg.1.si 5)
2.A. Jitariu, H. Goripati, C. Ghemes, O. Dragos, N. Lupu, H. Chiriac, "GMR sensors and microfluidic devices for biomedical applications", The Second CommScie International Conference: Challenges for Sciences and Society in Digital Era, Iasi, Romania (2015) - poster http://hmm2015.uaic.ro/00_ALL_HMM_ABSTRACT_BOOK_final_v1.1.pdfhttp://hmm2015.uaic.ro/00_ALL_HMM_ABSTRACT_BOOK_final_v1.1.pdf. p.17
3.A. Donac, S. Corodeanu, N. Lupu, H. Chiriac, The magnetic behavoir of thin FINEMET cold drawn microwires, 2nd CommScie International Conference "Challenges for Sciences and Society in Digital Era, 4 - 5 decembrie 2015, Iasi, Romania.http://hmm2015.uaic.ro/00_ALL_HMM_ABSTRACT_BOOK_final_v1.1.pdfhttp://hmm2015.uaic.ro/00_ALL_HMM_ABSTRACT_BOOK_final_v1.1.pdf. p.17

Prof.dr. Alexandru Stancu (one presentation with evidence)

1. D. MIHALCIUC , D.CIMPOESU, A. STANCUStudy of superparamagnetism in nanowires systems with strong demagnetizing fields IEEE ROMSC 24-25 IUNIE 2019 Iasi
http://stoner.phys.uaic.ro/images/stoner_site/ieee/romsc/2019/ROMSC_Program_2019-2.pdf
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Prof. Dr. habil. Liviu Leontie (3 presentations with evidence)

1. L. HROSTEA, L. LEONTIE, M. GIRTAN, Chemical Sensitization for Electric Properties Improvement of Fluorinated Polymer for Solar Cells Application, ICIR Euroinvent 2020, International conference on innovative research, 20 - 21 May 2020, Iași, Romania (o) – ***BEST ORAL PRESENTATION prize http://www.euroinvent.org/conference/***
2. L. HROSTEA, M. GIRTAN, L. LEONTIE, Comparison of physical properties of P3HT and PBDBT-T polymer thin films used in solar cells, JED3M, Brest, France, fev. 2019 (o) https://jed3mbrest2019.sciencesconf.org/data/pages/Planning_com_oral_rext.pdf
3. Otilia Sanda Prelipceanu, Marius Mihai Cazacu Adrian Timofte , Gina Tiron , Liviu Leontie, Silviu Gurlui, Mineral dust impact on the amount of rainfall, in the North-Eastern part of Romania, ELSEDIMA International Conference, Cluj-Napoca, Romania, http://www.elsedima.ro/admin/media/Agenda_ELSEDIMA-2018-International-Conference.pdf
4. Iuliana Caraman, Igor Evtodiev, Liviu Leontie, Silvia Evtodiev, Dumitru Untila, Mihail Caraman, Corneliu Doroftei, Aurelian Carlescu, Oana Susu, Optical and photoelectric properties of submicrometer structures obtained by dry heat treatment of p– and n–InSe single crystals, 11th International Conference on Physics of Advanced Materials (ICPAM–11), September 8□14, 2016, Cluj–Npoca, Romania; Poster Session 1,Work T5–P4 (poster), Abstract Book pp. 95□96,

International conferences attended by PhD students who have completed their thesis (NO

EVIDENCE): 51

1. Lacramioara Oprica, Marius Grigore, Andreea Verdes, Dorina Creanga, Irina Anca Popescu, Andreea Grigorescu, Diana Costin:„Antioxidant Properties Evidenced by Polyphenols Content in Two Romanian Red Grape Cultivars in Iasi Area”, poster presentation in The 5thIEEE International Conference on E-Health and Bioengineering -EHB 2015 Grigore T. Popa University of Medicine and Pharmacy”; 2015, Iasi;
2.Irina-Anca Popescu, Andreea Teodor, Catalin Pricop,Veronica Tanasa, Diana Costin:„Data Analysis of Medical Exposures in Diagnostic and Interventional Radiology ”; The 5th IEEE International Conference on E-Health and Bioengineering -EHB 2015 Grigore T. Popa University of Medicine and Pharmacy”; 2015, Iasi;
3. Irina Anca Popescu, Felicia Gradinariu, Andreea Teodor, Doina Havarneanu, Irina Alexandrescu, Diana Costin: „Utility and significance of biomarkers used in health status monitoring of ionizing radiation exposed personnel”;The 6thIEEE International Conference on E-Health and Bioengineering -EHB 2017„Grigore T. Popa University of Medicine and Pharmacy”, Sinaia, Romania, 2017;
4. Damian Grigore, Teodor Andreea, Popescu Irina Anca,Creanga Dorina Emilia:„Electron Paramagnetic Resonance Investigations Of Ultraviolet Irradiated Prednisone”;The 6thIEEE International Conference on E-Health and Bioengineering -EHB 2017„Grigore T. Popa University of Medicine and Pharmacy”, Sinaia, Romania, 2017
5 .Vasilica Gafton, Ioan Dumitru, Ovidiu F Caltun, Adrian Borhan, Alexandra R Iordan, Mircea N Palamaru 14th International Balkan Workshop on Applied Physics, Constanta, 2-4 Iulie 2014, Synthesis and characterization of manganese ferrites nanopowders - poster
6. Vasilica Gafton, Ioan Dumitru, Ovidiu F Caltun, Adrian Borhan, Alexandra R Iordan, Mircea N Palamaru Conferinta Internationala Electroceramics XIV, 16-20 Iunie 2014, Bucuresti, Comparative study of magnetic properties manganese ferrites nanoparticles obtained with different combustion agents - poster
7. Dorina Creanga, Emil Puscasu, Gabriela Vochita, Cosmin Mihai, Iron oxide nanoparticles and their biological impact, The fifth edition of the International Colloquium 'Physics of Materials' - PM-5, Bucuresti, Romania, -30- 10-11.11.2016.
8. Emil Puscasu, Liviu Sacarescu, Nicoleta Lupu, Marian Grigoras, Maria Balasoiu, Dorina Creanga, “Iron oxide nanostructures – investigation of microstructural and magnetic properties”, III International Conference on Small Angle Neutron Scattering 169 dedicated to 80th anniversary of Yu. M. Ostanevich, Rusia, Dubna, 06-09.06.2016.
9. Lacramioara Oprica, Claudia Nadejde, Maria Andries, Emil Puscasu, Dorina Creanga, Maria Balasoiu, “Magnetic contamination of environmentlaboratory simulation based on mixed iron oxides influence on microorganism cells”, The fourth edition of the International Colloquium 'Physics of Materials' - PM-4, Romania, Bucharest, 13-14.11.2014
10. Lacramioara Oprica, Claudia Nadejde, Maria Andries, Emil Puscasu, Dorina Creanga, Maria Balasoiu, “Experimental study on the impact of engineered particles on environmental microflora”, 2nd International Conference on Chemical Engineering, Romania, Iasi, 05-08.11.2014
11. Claudia Nadejde, Maria Andries, Emil Puscasu, Gabriel Oanca, Laura Ursu, “Nanostructured materials with magnetic properties in stable colloidal form”, 12th Young Researchers’ Conference – Belgrad, 11- 13.12.2013
12. Maria Andries, Daniela Pricop, Marian Grigoras, Nicoleta Lupu, Liviu Sacarescu, Dorina Creanga,

Felicia Iacomi, Comparative study on the uptake and bioimpact of metal nanoparticles released into environment, 10th Biennial International Conference on Processes in Isotopes and Molecules (PIM 2015), 2015, Cluj-Napoca, Romania; 34

13. Maria Andries, Daniela Pricop, Raul Lupusoru, Emil Puscasu, Felicia Iacomi, Dorina Creanga, Light wavelength influence on surface Plasmon resonance in citrate-gold nanosystems, XIIIth International conference on molecular spectroscopy - From molecules to molecular materials, molecular biological systems and nanostructures, 2015, Wrocław, Polonia;

14. Emil Puscasu, Maria Andries, Mihaela Racuciu, Felicia Iacomi, Dorina Creanga, Expermimental study on the core-shell interactions in the case of magnetic grains coated with organic molecules, XIIIth International Conference on Molecular Spectroscopy-From Molecules to Molecular Materials, Molecular Biological Systems and Nanostructures, 2015, Wrocław, Polonia;

15. Maria Andries, Daniela A. Pricop, Lacramioara Oprica, Dorina Creanga and Felicia Iacomi, The effect of visible light on gold nanoparticles and some bioeffects on environmental fungi, The 8th international conference on advanced materials–ROCAM,2015, Bucuresti, Romania;

16. Maria Andries, Nanostructured materials with magnetic properties - impact on environmental microflora, 9th Central European Training School on neutron technique - CETS2015, 2015, Budapesta, Ungaria;

17. Lacramioara Oprica, Gina Balan, Carmen Popescu, Rodica Muresan, Daniela Pricop, Maria Andries, Augustin Muresan, Investigation of the chemical treatment effect on the environmental fungi, 2nd International Conference on Chemical Engineering, 2014, Iasi, Romania;

18. Emil Puscasu, Claudia Nadejde, Dorina Creanga “Stable colloidal suspension of magnetite nanoparticles for applications in life sciences”, PAMS 1- Iasi, 22-28.09.2014 (poster scoala de toamna)

19. Oanca Gabriel, Multiscale simulation of monoamine oxidase catalyzed reactions, IEEE International Conference On E-Health And Bioengineering (EHB), Sinaia, Romania, June 22-24, 2017 (prezentare orala).

20.E. Puscasu, L. Sacarescu, N. Lupu, G. Oanca, M. Balasoiu, D. Creanga, Magnetic nanoparticle with surface modification for biomedical utilization –chemical route and sol-gel method, NANOAPP International Scientific Conference on Nanomaterials & Applications, 23-26 June 2015, Maribor - Slovenia (poster)

21.Gabriel Oanca, Claudia Nadejde, Adrian Fifere, Antonina Gritco (Todirascu), Dorina Creanga, Dana-Ortansa Dorohoi, Jernej Stare; Solvatochromic study on chlortetracycline in binary and ternary solutions, aXIII-a Conferinta Internationala de Spectroscopie Moleculara (Wroclaw, Polonia,septembrie 2015); XIII-the ICMS (poster).

22.Gabriel Oanca, Jernej Stare, Antonina Gritco (Todirascu), Dorina Creanga, Dana-Ortansa Dorohoi,Substituent influence on the spectra of some benzo-f-quinoline derivatives, aXIII-a Conferinta Internationala de Spectroscopie Moleculara (Wroclaw, Polonia, septembrie 2015)(poster)

23. Quantum Mechanical and Spectral Study of Fluorescein, A. C. Calugaru-Morosanu, A. Gritco, D. G. Dimitriu, D. O. Dorohoi, C. Cheptea, The 6th IEEE International Conference on E-Health and Bioengineering - EHB 2017, Grigore T. Popa University of Medicine and Pharmacy, June 22-24, 2017, Sinaia, Romania - Prezentare orala

24. Spectral and Quantum Mechanical Studies of Dimerization Reaction of Some Carbanion Monosubstituted Pyridazinium Ylids, A. C. Calugaru-Morosanu, D. Babusca, D. O. Dorohoi, Colloquium Spectroscopicum Internationale XXXIX, 30.08 – 03.09. 2015, Figueira da Foz, Portugalia - POSTER

25. Quantum Mechanical Characterization And Solvatochromic Study Of Quercetine, A. C. Calugaru-Morosanu, A.C. Benchea, D. Babusca, D.G. Dimitriu, D.O. Dorohoi, International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, June 29th-July 1st, 2016, Brasov - POSTER
26.A.E. Scripa (Tudose), D.G. Dimitriu, D.O. Dorohoi, Optical activity of glucose solutions, 10th International ConferenceProcesses in Isotopes and Molecules,Cluj- Napoca, Romania, 23- 25 September 2015.
27. A.E. Scripa (Tudose), D.G. Dimitriu, D.O. Dorohoi, Linear birefringence of polymer foils determined by optical means, 10th International Conference- Processes in Isotopes and Molecules, Cluj-Napoca, Romania, 23- 25 September 2015. - POSTER
28. A.E. Scripa (Tudose), I. Dumitrascu, L. Dumitrascu, D.O. Dorohoi, Methods for determining the linear birefringence of some 36 inorganic uniax crystals, TIM 15-16 Physics Conference, Timisoara, Romania, 26-28 May 2016. - POSTER
29. A.E. Scripa (Tudose), D.G. Dimitriu, D.O. Dorohoi, Dispersion of visible rotator power for aqueous glucose solutions, Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences”IC-ANMBES 2016”, Brasov, Romania, June 29- July 1 2016. - POSTER
30. Alexandra Demeter, L. Sirghi, *Titanium 2D nanopatterns obtained by magnetron sputtering deposition with colloidal mask* 7th International conference on plasma physics and applications, CPPA Iunie 15 – 20 Magurele, București, Romania 2017. (poster)
31.A. Dascalu, F. Samoila, L. Sirghi, Atomic force microscopy study of dielectric degradation in surface DBD in closed volume air, 11th International Conference on Physics of Advanced Materials (ICPAM-11), Septemper 8-14, 2016, Cluj-Napoca, Romania. (poster)
32.F. Samoila, L. Sirghi, Cleaning of oleic acid contaminant from glass surface by low-pressure discharge plasma, The 17th International Conference on Plasma Physics and Applications (CPPA), June 15-20, 2017, Magurele-Bucharest, Romania. (poster).
33.F. Samoila, L. Sirghi, Shape of oleic acid nanodroplets on hydroxylated and nonhydroxylated glass, The 16th International Conference on Global Research and Education (InterAcademia), September 25-28, 2017, Iasi, Romania. (poster)
34.F. Samoila, L. Sirghi, Shape of oleic acid nanodroplets on hydroxylated and nonhydroxylated glass, The 16th International Conference on Global Research and Education (InterAcademia), September 25-28, 2017, Iasi, Romania. (oral – short presentation)
35.S.A. Irimiciuc, B. C. Hodoroaba S.Gurlui,P. Nica, M.Agop, C.Focsa "Experimental and theoretical studies of laser produced plasma plumes on various metallic targets", The 5th International Colloquium "Physics of Materials" (PM 5), 10-11 November 2017, Bucharest, Romania
36. L. Popescu, G. Ababei, D. Babusca, D. Creanga, A. C. Benchea, N. Lupu, L. Oprica – Spectral investigation of surface plasmon resonance bands of silver nanoparticles capped with gallic acid, *4th International Conference on Nanotechnologies and Biomedical Engineering (ICNBME)*, Chisinau, Moldova, September 18-21, 2019, publicat in *IFMBE Proceedings***77** (2020) 305-309, DOI: 10.1007/978-3-030-31866-6_59
37. Aurel Chirap, Marius Prelipceanu, Otilia Sanda Prelipceanu, Liviu Leontie, Mihai Cazacu, Innovative Internet of Things Healthcare Applications based on Green Power Energy, 2-nd edition of the International Conference on Sensing and Instrumentation in IoT Era 2019, IEEE Instrumentation and Measurement Society, Lisbon, Portugal
38. Oana Șușu, Liviu Leontie, Aurelian Cârlescu, Georgiana Bulai, Francisca Hușanu, Corneliu Doroftei, Silviu Gurlui, Alexandra Demeter and George Stoian, Deposition, Structural and

Morphological Properties Studies of Bismuth Oxide Thin Films, Physics Conference TIM 17, Faculty of Physics, Timișoara, 25□27 May 2017; Work CM–P18 (poster).

39. Corneliu Doroftei, Liviu Leontie, Oana Șușu and Aurelian Carlescu, Characterization And Gas Sensing Properties Of Some Spinel–Type Oxide Semiconductors, TIM 15–16 International Physics Conference, West University Of Timisoara, 26th – 28th of May 2016; CM–P14.

40. C. Doroftei, L. Leontie, O. Șușu, Influence of colloidal environment on the gas sensing properties of the iron manganite prepared by precursor method of self–combustion, 16th International Balkan Workshop on Applied Physics and Materials Science, IBWAP 2016, Constanta, 7□9, July, 2016; work S1 P64.

41. Damian Grigore, Teodor Andreea, Popescu Irina Anca,Creanga Dorina Emilia:„Electron Paramagnetic Resonance Investigations Of Ultraviolet Irradiated Prednisone”;The 6thIEEE International Conference on E-Health and Bioengineering -EHB 2017„Grigore T. Popa University of Medicine and Pharmacy”, Sinaia, Romania, 2017

42. Aurelia Apetrei, Andrei Ciucă, Jong-kook Lee, Chang Ho Seo, Yoonkyung Park, Tudor Luchian, "Tuning the Interaction Environment for Single Nanopore-based Sensing of Gram-negativeBacterial Cells", IC-ANMBES 2016 (Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences) 29 Iunie – 1 Iulie, 2016, Brasov. Prezentare poster

43. 41st FEBS Congress, 3-8 Septembrie, 2016, Kuşadası, Turcia Prezentare poster: „Nanopore-based detection of selected Gram-negative bacterial cells”, Andrei Ciucă, Aurelia Apetrei, Jong-kook Lee, Chang Ho Seo, Yoonkyung Park, Tudor Luchian

44. The 15th National Conference of Biophysics– CNB, 7-10 Septembrie 2018, Bucuresti, Romania. Prezentare poster: "Breaking Apart Molecular Dimers with Nanopores", Andrei Ciuca, Alina Asandei, Irina Schiopu, Aurelia Apetrei, Loredana Mereuta, Chang Ho Seo, Yoonkyung Park and Tudor Luchian

45. A. Jitariu, C. Ghemes, N. Lupu, H. Chiriac, “Magnetoresistive device with integrated current lines for magnetic particles detection”, CNFA 2016 Iasi, ROMANIA (2016) - poster

46. Alexandra Demeter, Ilarion Mihaila, Vasile Tiron, Dana Stanescu, Helene Magnan, Lucel Sirghi, *Photocatalytic activity of ZnON thin films deposited by HiPIMS on substrates with controlled roughness*, European Materials Research Society, May 2-6, 2016, Lille, Franţa. (poster)

47. Alexandra Demeter, Alexandra Besleaga,Vasile Tiron , Lucel Sirghi, *Fabrication of 2D TiO2Nanopatterns by Plasma Colloidal Lithography*, The 15th International Conference on Global Research and Education Inter-Academia, September 26-28, 2016, Varşovia Polonia. (oral)

48. Lacramioara Oprica, Marius Grigore, Andreea Verdes, Dorina Creanga, Irina Anca Popescu, Andreea Grigorescu, Diana Costin:„Antioxidant Properties Evidenced by Polyphenols Content in Two Romanian Red Grape Cultivars in Iasi Area”, poster presentation in The 5thIEEE International Conference on E-Health and Bioengineering -EHB 2015 Grigore T. Popa University of Medicine and Pharmacy”; 2015, Iasi;

49. Irina-Anca Popescu, Andreea Teodor, Catalin Pricop,Veronica Tanasa, Diana Costin:„Data Analysis of Medical Exposures in Diagnostic and Interventional Radiology ”; The 5th IEEE International Conference on E-Health and Bioengineering -EHB 2015 Grigore T. Popa University of Medicine and Pharmacy”; 2015, Iasi;

50. D. Babusca, A.C. Morosanu, D.G. Dimitriu, D.O. Dorohoi,Spectral Study of Intermolecular Interactions in Polar Solutions, Odessa I. I. Mechnikov National University, Ukraine, XXIV Galyna Puchkovska International Scool-Seminar „Spectroscopy of Molecules and Crystals”, Odessa, Ukraine,

25-30 august 2019
51. D.Babusca, A.C. Morosanu, D.G. Dimitriu, D.O. Dorohoi, Aminoacid Derivatives Containing Rest of 1,2,4-Triazole-3,4-Disubstituted with Potential Antitumoral Activity Odessa I. I. Mechnikov National University, Ukraine, XXIV Galyna Puchkovska International Scool-Seminar „Spectroscopy of Molecules and Crystals", Odessa, Ukraine, 25-30 august 2019

(Standard B.3.2. Doctoral field accreditation) The doctoral school uses a significant number of external scientific references in the commissions for public support of doctoral theses for the analyzed field. (Indicator * B.3.2.1. Doctoral field accreditation) Number of theses of doctorate assigned to a certain referent coming from a higher education institution, other than the evaluated IOSUD, must not exceed two (2) for the theses coordinated by the same doctoral supervisor, in one year.

For most doctoral supervisors, the number of doctoral theses allocated to a certain scientific referent from a higher education institution, other than the "Alexandru Ioan Cuza" University of Iasi, was a maximum of two for theses coordinated by the same doctoral supervisor. However, there are 2 references (Prof. Dr. Cristina Stan and Prof. Dr. Dumitru Vulcanov) who have been references to more than two theses in a year, but not more than 4 theses (Prof. Dr. Cristina Stan). The explanation is given by the fact that 2-3 theses led by the same doctoral supervisor were presented on the same day and, in this way, some external references also participated in several doctoral theses theses, our faculty benefiting from this, in financial terms. We attach a table containing the names of the doctoral supervisors from SDF, the annual number of doctoral theses per supervisor, the names of the referents (from another higher education institution than UAIC) who participated in the defense of at least 2 theses and the number of theses doctorate assigned to them. On the SDF website there is a record of them: http://www.phys.uaic.ro/index.php/scoala-doctorala/sustineri-teze-doctorat/

	Year of doctoral dissertations	PhD supervisor	Number of doctoral dissertations	Referent appointed in the public support committee for the doctoral thesis for at least 2 theses	Number of doctoral theses to which he was a referent / year
1	2015	Maricel AGOP	3	Viorel –Puiu PAUN	2
				Dumitru VULCANOV	3
		Felicia IACOMI	1	-	-
		Ciprian DARIESCU	1	-	-
		Liliana MITOSERIU	2	Laurențiu Stoleriu	2
		Cristian ENACHESCU	1	-	-
		Tudor LUCHIAN	1	-	-
		Nicoleta DUMITRASCU	1	-	-
		Alexandru STANCU	1	-	-
		Diana MARDARE	1	-	-
3	2016	Dumitru LUCA	1	-	-
		Nicoleta DUMITRASCU	1	-	-
		Ciprian DARIESCU	1	-	-
		Ovidiu-Florin CALTUN	1	-	-
4	2017	Dana-Ortansa DOROHOI	2	-	-
		Horia CHIRIAC	2	Cristian –Ioan FOSALAU	2
		Maricel AGOP	4	Dumitru VULCANOV	3
				Cristina STAN	4

		Liliana MITOSERIU	1	-	-
		Maria NEAGU	1	-	-
5	2018	Liliana MITOSERIU	1	-	-
		Lucel SIRGHI	1	-	-
		Dana-Ortansa DOROHOI	3	Simion ASTILEAN	2
		Tudor LUCHIAN	2	-	-
		Liviu LEONTIE	1	-	-
		Felicia IACOMI	2	Viorica SIMON	2
				Daniel TIMPU	2
		Marina-Aura DARIESCU	1	-	-
6	2019	Lucel Sîrghi	1	-	-
		Liviu Leontie	2	-	-
		Felicia Iacomi	1	-	-
		Dumitru Luca	1	-	-
7	2020	Liliana Mitoșeriu	1	-	-
		Liviu Leontie	1	-	-
		Tudor Luchian	1	-	-
		Dana Dorohoi	1	-	-
		Felicia Iacomi	1	-	-

(Indicator * B.3.2.2. Doctoral field accreditation) The ratio between the number of doctoral theses assigned to a certain scientific referent from another higher education institution than the one in which the doctoral thesis is organized and the number of doctoral theses defended in the same doctoral field within the doctoral school must not be higher than 0.3, in relation to the situation registered in the last five years. It is analyzed only if in the evaluated doctoral field at least 10 doctoral theses have been defended in the last 5 years.

Number of doctoral theses defended (1 Oct. 2015-31, Sep.2020): 41

The mentioned ratio is at most 8/41 = 0.195 in the case of Prof. Dr. Dumitru Vulcanov.- CRITERION FULFILLED!

Nr. crt.	REFERENT numit in comisie de sustinere publica teza de doctorat	NUMAR SUSTINERI TEZA DOCTORAT FIZICA UAIC in care a fost prezent in perioada 2015-2020
1	Ioan TURCU (Cluj Napoca)	1
2	Cristina STAN (UPB)	8
3	Adriana ISVORAN (TM)	1
4	Maria CAZACU (P.Poni IS)	1
5	Iosif DEAC (UBB CJ)	1
6	Daniel BILC (IFT CJ)	1
7	Vincenzo BUSCAGLIA (Genoa , Italia)	2
8	Simion ASTILEAN (UBB CJ)	3
9	Livia Vicenta GHEORGHIES (GL)	1
10	Viorel-Puiu PAUN (UPB)	2
11	Dumitru VULCANOV (UVT)	8
12	Irina RADINSCHI (UTI IS)	6
13	Stefan ANTOHE (UB)	2
14	Aurel POP (UBB CJ)	1
15	Carmen GALASSI (Genoa, IT)	1

16	Victor FRUTH-OPRISAN (B)	1
17	Horia ALEXANDRU (UB)	1
18	Daniel –Mircea SUTIMAN (UTI IS)	3
19	Marilena FIERBINTEANU CIMPOESU (UB)	1
20	Tibor –Adrian OVARI (IFT IS)	2
21	Leontin DAVID (UBB CJ)	2
22	Dragos- Bogdan GRIGORIU (UMF IS)	2
23	Sorin –Dan ANGHEL (UBB CJ)	1
24	Mariana PINTEALA (P.Poni IS)	1
25	Valentin IONITA (UPB)	1
26	Dorel CRISAN (B)	1
27	Nicoleta LUPU (IFT IS)	5
28	Jean-Olicier DURAND (FR)	1
29	Gheorghe DINESCU (B)	2
30	Martino TRASSINELLI (Paris, FR)	1
31	Mihaela -Cristina BAICAN (UMF IS)	3
32	Anton AIRINEI (P.Poni IS)	2
33	Leontin DAVID (UBB CJ)	2
34	Ionel CHICINAS (UT CJ)	1
35	Cristian –Ioan FOSALAU (UT IS)	2
36	Viorel POP (UBB CJ)	1
37	Cipriana STEFANESCU (UMF IS)	2
38	Philippe DELAPORTE (Marseille, FR)	1
39	Stephane PELLERIN (ORLEANS, FR)	1
40	Valentin CRACIUN (B)	1
41	Dan RICINSCHI (Tokyo, J)	1
42	Maria BERCEA (P.Poni IS)	1
43	Simina CINTA – PINZARU (UBB CJ)	1
44	Camelia HULUBEI (P.Poni IS)	1
45	Adriana-Vetuta ISVORAN (UVT)	1
46	Beatrice MACRI-RADU (UB)	2
47	Viorica SIMON (UBB CJ)	5
48	Daniel TIMPU (P.Poni IS)	2

4.3. QUALITY MANAGEMENT

4.3.1Existence and regular development of the internal quality assurance system

(Standard C.1.1. Accreditation of doctoral and SD fields) The institutional framework exists and a procedure is applied for the monitoring of internal quality assurance, as well as relevant internal quality assurance policies. (Indicator C.1.1.1. Accreditation of doctoral fields and * C.1.1.1. Accreditation of SD) The doctoral school in which the field of doctoral university studies falls proves the constant development of the process of evaluation and internal assurance of its quality in accordance with a procedure developed and applied at IOSUD level, among the evaluated criteria being mandatory /*C.1.1.1. IOSUD has developed and periodically applies a procedure for evaluation and internal monitoring of the evolution of doctoral schools, among the evaluated criteria being mandatory:

a) the scientific activity of the doctoral supervisors;
b) the infrastructure and logistics necessary for carrying out the research activity;
c) the regulations, procedures and subsequent norms on the basis of which the doctoral studies are organized;

d) the scientific activity of doctoral students;
e) the training program based on advanced university studies of doctoral students.
f) Social and academic support services (including participation in various events, publication of articles, etc.) and counseling provided to doctoral students.

a) The scientific activity of the doctoral supervisors and the doctoral students

At the IOSUD level, *the Operational Procedure regarding the evaluation and internal monitoring of the doctoral schools within the "Alexandru Ioan Cuza" University of Iași* (Procedura-privind-evaluarea-si-monitorizarea-interna-a-scolilor-doctorale-din-UAIC.pdf) was approved. It establishes the way of internal evaluation of the doctoral schools and of the fields of doctoral university studies in order to accredit and periodically evaluate them according to the Methodology of evaluation of doctoral university studies elaborated in accordance with the legislation in force. The application of the procedure is materialized in the form of periodic reports made at the level of the Doctoral School.

Through the *Institutional Regulation on the organization and functioning of doctoral university studies (*Regulamentul-institutional-de-organizare-si-functionare-a-studiilor-universitare-de-doctorat_apr-2020.pdf (uaic.ro)*)*, internal quality assurance policies are applied, which are applied at the level of all doctoral schools in UAIC.

At the level of the Doctoral School of Physics, the evaluation is performed taking into account the specific standards of the Physics Commission of CNATDU, the UAIC Regulation and the Regulation of operation and evaluation of the Doctoral School of Physics, according to criteria approved by the Faculty Council.

Within SDF, an internal monitoring of the quality of both doctoral students and implicitly of doctoral supervisors was performed (Annex 5), a detailed monitoring being done in this interval of 5 years, in December 2016 (http://www.phys.uaic.ro/index.php/scoala-doctorala/raport-autoevaluare/raport-autoevaluare-2011-2016/) and in January-March 2019 when the self-evaluation file was prepared and sent to ARACIS for the period 2014-2019. CSD analyzed the results obtained by doctoral students in close connection with their leaders (Annex 7). It was concluded that students within the SDF, guided by their leaders, are focused on publishing scientific results in the Web of Science with impact factor, many starting to work in the research direction of the doctoral thesis even before being admitted to the doctorate. They are encouraged to participate in conferences and various research internships (see also points B.3.1.1 and C.3.1.1.). Thus, at the moment of defending the doctoral thesis, the doctoral students of SDF fulfill in the majority, some even far exceeding the standards imposed by the Physics Commission within CNATDCU.

Apart from the evaluation of the doctoral students' activity, the evaluation of the doctoral supervisors was done annually, together with the evaluation of all the teachers from the faculty, based on some criteria established at faculty level (Annex 5, https://www.uaic.ro/wp-content/uploads/2013/12/Recrutare-promovare-complet.pdf)

b) the infrastructure and logistics necessary for carrying out the research activity;

The financing of the scientific research activity of the doctoral students is realized mainly through the grants and research projects, obtained not only by the doctoral supervisors, but also by the other members of the Faculty of Physics. Based on these grants, SDF has a high quality infrastructure.

The access to the research infrastructure of the doctoral students is provided in the Institutional Regulation for the organization and functioning of the doctoral university studies, the Regulations of the doctoral schools and the Doctoral Student Contract.

According to the SDF Regulation (https://www.phys.uaic.ro/index.php/scoala-doctorala/regulamente-scoala-doctorala-fizica/regulament-studii-doctorat-scoala-doctorala-fizica-iasi/) Art. 9 (2d), doctoral students have the right "to benefit from the logistics, documentation centers, libraries and equipment of the University for the elaboration of research projects and doctoral thesis."

c)the regulations, procedures and subsequent norms on the basis of which the doctoral studies are organized;

The norms regarding the access of doctoral students in the research institutes with which there are collaboration agreements are provided in the text of the agreement or are inscribed in the internal norms of each institute (Annex 1)

See also point b) above, regarding the access of doctoral students to the research infrastructure within the Faculty of Physics

e) Training program based on advanced university studies of doctoral students.

In each of the last 5 years, 6 specialized courses have been taught, in which the main directions of study in the faculty are presented, and a course referring to the methodology and ethics of scientific research, entitled, starting with the 2018-2019 academic year “Ethics and academic integrity ”. (Annex 27), and SDF site: https://www.phys.uaic.ro/index.php/scoala-doctorala/planuri-invatamant-doctorat/

The curricula, respectively the subject sheets were discussed in the CSD every year, in order to review them with the doctoral supervisors (Annex 7)

f) Social and academic support services (including participation in various events, publication of articles, etc.) and counseling provided to doctoral students.

The social and academic support that SDF doctoral students constantly benefit from is visible in the context of events (scientific conferences and seminars, workshops, summer schools, mentoring activities, etc.) planned and carried out within SDF, whose role, among others, others, is to initiate and support new researchers in the process of professional development. In terms of publications and conferences, there is a close collaboration between SDF doctoral students and doctoral supervisors, respectively members of the steering committees, the former benefiting from the support and experience gained in the field of research and good academic practices.

Also in this context, at the level of IOSUD-UAIC, within the Department of Services for Students and Graduates (DSSA) (https://www.uaic.ro/studenti/cariera/) free trainings were organized during the analyzed period, relevant examples being : Doctoral training 1.0. How to organize your work to be efficient , for writing an article, bibliography and PhD 2.0 training through which PhD students can find concrete ways to streamline the activity and plan it, SDF PhD students being encouraged to participate in these types of events.

(Indicator * C.1.1.2. Doctoral field accreditation) During the doctoral training internship feedback mechanisms are implemented by doctoral students to identify their needs, as well as their general level of satisfaction with the university study program. doctorate, in order to continuously improve the academic and administrative processes. Following the analysis of the obtained results, the elaboration and implementation of a plan of measures is proved.

A questionnaire for assessing the quality of doctoral studies was developed at the SDF level. This questionnaire was also applied (Annex 3). The evaluation was done online through Google questionnaires, which also allowed obtaining a synthetic report of the results obtained (also presented in this document). The answers to these questionnaires were discussed in the CSD meetings (Annex 7) noting the good conductor-doctoral student relationship, and a lower satisfaction of some doctoral students (24% Good; 10% Poor), related to research resources and conditions.

Regarding this issue, it is also found in the operational plans for 2019 and 2020 elaborated at the Faculty of Physics (Annex 34) and assumed entirely by SDF, as a department of the Faculty of Physics, the emphasis being on modernization and expansion of infrastructure research to which doctoral students have access.

4.3.2Transparency of information and accessibility to learning resources

(Standard C.2.1. Accreditation of doctoral and SD fields) The information of interest for doctoral students, future candidates, respectively the information of public interest are available for consultation in electronic format. (Indicator C.2.1.1. Accreditation of doctoral and SD fields) C.2.1. The doctoral school, through IOSUD, publishes on the website of the organizing institution, in compliance with the general regulations on data protection, information such as:
a) IOSUD / doctoral school regulations;
b) the admission regulation;
c) the doctoral studies contract;
d) the regulation for completing the studies, which should also include the procedure for public defense of the thesis;
e) the content of training programs based on advanced university studies;
f) the academic and scientific profile, the thematic areas / research topics of the doctoral supervisors in the school, as well as their institutional contact data
g) the list of doctoral students in the field with the basic information (year of registration; leader);
h) information about the standards for the elaboration of the doctoral thesis;
i) links to the abstracts of the doctoral theses to be defended publicly, as well as the date, time, place where they will be defended, at least 20 days before the defense.

Information of interest to doctoral students and information of public interest are available for consultation on the *University's website* (https://www.uaic.ro/studii/studii-universitare-de-doctorat/reglementari-si-formulare/) and on the website of the *Doctoral School* (https://www.phys.uaic.ro/index.php/scoala-doctorala/).This information concerns: the regulations of the doctoral school; admission regulations; doctoral studies contract; the regulations for completing the studies, including the procedure for public defense of the thesis; the content of study programs; the scientific profile and thematic areas / research topics of the doctoral supervisors in the field, as well as their institutional contact data; list of PhD students in the field with basic information (year of enrollment; supervisor), information on the standards for the elaboration of the doctoral thesis.

(Standard C.2.2. Doctoral and SD field accreditation) IOSUD / Doctoral School provides doctoral students access to the resources necessary for doctoral studies (Indicator C.2.2.1. Doctoral and SD field accreditation) All doctoral students have free access to a platform with relevant academic databases for the fields of doctoral studies analyzed.

"Alexandru Ioan Cuza" University of Iasi offers doctoral students the opportunity to access the following databases: Science Direct Freedom Collection, Scopus, SciFinder (CAS), MathSciNet, etc.,

while through the Central University Library "Mihai Eminescu" in Iasi , they also have access to other representative databases, such as: SpringerLink Journals, ProQuest Central, Emerald Journals, Science Journals, Thompson Reuters, Oxford Journals, SAGE Journals HHS Collection, EBSCO, Wiley Journals etc.

DO I SAY WHAT I USED IN THE OTHER FILE? : "Alexandru Ioan Cuza" University of Iasi signed with the Association of Universities, Research-Development Institutes and Central University Libraries of Romania - ANELIS PLUS - the financing contract for the implementation of the project "National electronic access to scientific literature to support the research system and education in Romania - ANELIS PLUS 2020 ". The contract, with a duration of 60 months from the date of signing, aims to establish the amount and method of payment of the Contributing Member's contribution to the ANELIS PLUS 2020 project. Thus, the "Alexandru Ioan Cuza" University of Iasi, as Contributor, will pay in installments, during the five years of implementation of the project, the amount of 303,228, 48 euros. http://www.uaic.ro/uaic-a-semnat-contractul-cu-anelis-plus-privind-accesul-electronic-la-resurse-stiintifice-de-informare-si-documentare/

The general objective of the Anelis Plus 2020 project is to increase Romania's RDI capacity in the fields of intelligent and health specialization and it completely overlaps with the specific objective of the program. The project will increase the degree of involvement of the Romanian research environment in specialized international research networks, of major importance for the future development of science and technology, and will contribute, at the same time, to the development of appropriate information infrastructure to support large and complex projects. research. Also, the project is in connection with the specific objective that refers to the increase of Romanian participation in research at EU level because, through its objectives and expected results, it increases the visibility of Romanian research and facilitates links with international research structures. Within the ANELIS PLUS 2020 project, UAIC students and teachers benefit from access to scientific information and documentation resources: -IP-based access and mobile access to electronic information and documentation resources subscribed (Alexandru Ioan Cuza University of Iasi Subscribed resources 2018 (ANELIS PLUS 2020): Science Direct Freedom Collection; Scopus; SciFinder (CAS); MathSciNet) -access to the archives of scientific journals and electronic books We attach the contracts (Annex 35)

(Indicator C.2.2.2. Accreditation of doctoral and SD fields) Each doctoral student has access, upon request, to an electronic system for verifying the degree of similarity with other existing scientific or artistic creations.

UAIC has acquired the Turnitin application - an electronic system for verifying the degree of similarity with other existing scientific or artistic creations. The access of all the teachers from the “Alexandru Ioan Cuza” University of Iași is ensured, so also of the doctoral supervisors, as well as the possibility for the doctoral students to use, with the consent of the doctoral superviser.

IOSUD - UAIC Iasi has shown a continuous concern for ensuring the resources necessary to verify the percentage of similarity for the works developed by students from all three cycles of university studies, so also in terms of doctoral theses. Thus, starting with 2006, within IOSUD-UAIC, a special module was used for this functionality within the e-learning platform Blackboard - SafeAssign, "Alexandru Ioan Cuza" University of Iasi being among the first higher education institutions in Romania that they also invested in this direction the only public university that acquired this e-learning platform.

The licenses to use this application were extended every year, through successive acquisition contracts (Annex 16), because, in 2018, with the decision to adopt another technical solution based on Moodle for ensuring the e-learning platform for the forms of distance and part-time education, to purchase the Turnitin application (Annex 16). Thus, the access of all teachers from the "Alexandru Ioan Cuza" University of Iasi, so of the doctoral supervisors, as well as the possibility of doctoral students to use, with the consent of the doctoral supervisor, an electronic system for verifying the degree of similarity with other existing scientific or artistic creations.

(Indicator C.2.2.3. Accreditation of doctoral and SD fields) All doctoral students have access to scientific research laboratories or other facilities depending on the specifics of the field / fields within the doctoral school, according to internal regulations.

The access to the research infrastructure of the doctoral students is provided in the Institutional Regulation for the organization and functioning of the doctoral university studies, the Regulations of the doctoral schools and the Doctoral Student Contract.

According to the SDF Regulation, Art 9 (2d) (http://www.phys.uaic.ro/wp/scoala-doctorala/regulamente-scoala-doctorala-fizica/regulament-studii-doctorat-scoala-doctorala-fizica-iasi.pdf), doctoral students have the right "to benefit from the logistics, documentation centers, libraries and equipment of the University for the elaboration of research projects and doctoral thesis"

On the SDF website (https://www.phys.uaic.ro/index.php/scoala-doctorala/centre-laboratoare-cercetare-doctorat/) there are given the links corresponding to the laboratories from our faculty, and a link with college equipment (http://www2.phys.uaic.ro/echipamente-de-cercetare_c2119.html).

Atmosphere Optics, Spectroscopy and Lasers Laboratory LOASL - ACTRIS-RO UAIC
https://eeris.eu/erif-2000-000f-0796
Center for Applied Research in Physicsand Advanced Technologies - CARPATH
https://eeris.eu/erif-2000-000n-2387 ;
https://stoner.phys.uaic.ro/equipment/magnetic-measurements.html
Dielectrics, Ferroelectrics&Multiferroics Laboratory
https://eeris.eu/erif-2000-000z-0736
Iasi Plasma Advanced Research Center (IPARC)
https://eeris.eu/erif-2000-000c-0743
Integrated Platform for Advanced Studies in Molecular Nanotechnologies - AMON
https://eeris.eu/erif-2000-000y-2388
Molecular Biophysicsand Medical Physics Laboratory
https://eeris.eu/erif-2000-000q-0703
Advanced Experimental snd Theoretical Research Center in Condensed Matter Physics
https://eeris.eu/ERIF-2000-000R-3620

The didactic and research process for all the three cycles of education takes place only in the own spaces of the faculty spread over an area of 2721.52 sqm. Of the 90 own spaces, the share is represented by the didactic and research spaces:

Destination	Number	Total surface (mp)
Teaching laboratories and seminar rooms	18	843,92

Research aboratories	56	1460,16
Amphitheatres	1	190,38
Total	75	2494,46

In addition to these spaces, which represent 91.65% of the total area owned in administration, the faculty also has a library with a total area of 79.37 square meters, as well as storage spaces for laboratory equipment.

Out of the total spaces destined for the teaching activity and practical works, over 50% are used as spaces for carrying out the research activity and practical works for the students from the master's and doctoral program.

The spaces destined for the research activity of master's and doctoral students are equipped with modern research equipment, purchased mainly from the basic funding allocated to the faculty from the budget, proportional to the number of equivalent students, but also from funds obtained through direct competition by teachers. faculty, which carries out domestic and international research grants.

4.3.3 Internationalization

(Standard C.3.1. Accreditation of doctoral fields and SD) There is a strategy and it is applied, to increase the degree of internationalization of doctoral studies. (Indicator C.3.1.1. Accreditation of doctoral fields and SD) Field of study evaluated / (IOSUD, for each doctoral school) has concluded mobility agreements with universities abroad, with research institutes, with companies that carry out activities in the studied field, aiming at the mobility of doctoral students and teachers (for example, ERASMUS agreements for the doctoral studies cycle) . At least 35% of PhD students have completed a training course abroad or another form of mobility, such as participating in international scientific conferences. IOSUD develops and implements policies and action plans aimed at increasing the number of doctoral students participating in training courses abroad, up to at least 20%, which is the target at the level of the European Higher Education Area.

The list of inter-institutional agreements and the list of bilateral agreements with ERASMUS + KA103 partner universities are given for all IOSUD in Annex 36 and Annex 37.

In addition, between UAIC and Shizuoka University there is a collaboration and exchange agreement for doctoral students, Double Degree Programs (http://www.icsu.shizuoka.ac.jp/english/0604.htm) through which a doctoral student obtains two doctoral degrees. doctor. Thus, a Romanian doctoral student goes through the first year program at UAIC, then can participate in a competition and can qualify for a research internship in Japan.

So far, there have been 2 doctoral students (Iuliana Motrescu and Mihai Ciolan) who have already completed their doctoral theses. They spent 3 years in Japan, working on a topic under the guidance of doctoral supervisors from the two countries. Then they obtained the title of doctor in Materials Engineering, returned to UAIC and in 2 years they finished their thesis in Romania, obtaining the title of doctor in Physics. The PhD supervisor from Japan was part of the thesis support committee at UAIC

Several courses for Japanese students are held each year by consortium professors from European Universities, and the Japanese do the same for European partners. This system also works with Univ. Warsaw Technique, with Univ. Taras Sevcenko from Kiev, Univ. from Gomel and Saint

Petersburg and Riga. All this, together with 6 other univ. from Germany, Slovakia, the Czech Republic, Lithuania, Bulgaria and Hungary form the inter-Academy consortium, which regularly organizes scientific exchanges of researchers, professors and students. The consortium organizes, annually, the "Inter-Academy" conference.

Teachers, PhD supervisors, who benefited from Erasmus mobility (2015 - 2020):

An univ. 2015 – 2016

	Nume si prenume		**Universitatea gazda**	**Perioada**
1	CALTUN Ovidiu Florin		University of Udine, Italia	11-21. 03.16
2	CREANGA Dorina-Emilia		College of Nyiregyhaza, Ungaria	16-21. 05.16
3	LEONTIE Liviu		Technological Educational Institute (TEI) of Crete, Grecia	16-26. 06.16
4	LEONTIE Liviu		Univ. Lille 1, Sciences et Technologies, UFR de Physique, Franta	17-25. 09.16
5	IACOMI Felicia Dacia		University Calabria, Italia	30.06.-10. 07.16
6	CALTUN Ovidiu-Florin		Universitatea Pierre et Marie Curie Paris, **FRANTA /** Univ. din Geneva **Elvetia**	09.06.-19. 06.16
7	CALTUN Ovidiu-Florin		Univ. din Novi Sad, Serbia	15-22. 06.16

An univ 2016 – 2017

	Nume si prenume		**Universitatea gazda**	**Perioada**
1	CALTUN Ovidiu-Florin		University of Udine, ITALIA	Sem I, 2016-2017
2	CALTUN Ovidiu-Florin	ERASMU S+ KA107	*Ucraina*	2016-2017
3	LEONTIE Liviu		National Technical University of Athens (NTUA) GRECIA	24.06. -2.07.'17
4	LEONTIE Liviu	ERASMU S+ KA107	Bar-Ilan University (BIU), Faculty of Exact Sciences, Department of Physics	14−22 mai 2017
5	IACOMI Felicia	ERASMU S+ KA107	*Univ. Shizuoka*	6-20 mai 2017
6	IACOMI Felicia		Technological Educational Institute of Crete, Grecia	15-23iulie 2017

An. univ. 2017 – 2018

	Nume si prenume		**Universitatea gazda**	**Perioada**
1	CALTUN Ovidiu Florin	**KA 107**	University of Kragujevac, Faculty of Technical Science Cacak, Serbia	10.06. – 16.06.2018
2	CALTUN Ovidiu Florin		Universidad del Pais Vascom – Bilbao, Spania	09.07. – 13.09.2018
3	IACOMI Felicia Dacia		Universitatea De Montford, Leicester, UK	12.01. – 22.01.2018
4	LEONTIE Liviu		Techonological Educational Institute (TEI) of Crete,Grecia	19.09.-29.09.2018
5	LEONTIE Liviu	**KA 107**	Sidi Mohamed Ben Abdellah University, Maroc	08.05.-14.05.2018

An. univ. 2018– 2019

1	Leontie Liviu	**Erasmus+, STA**	**UNIVERSIDADE DO MINHO (UMinho)** (Portugalia)	12–18 aprilie 2019
2	Leontie Liviu	**Erasmus+, STA**	**L. N. Gumilyov Eurasian National University (ENU), Astana (Kazahstan)**	24–30 mai 2019

Alte mobilitati:

	Nume si prenume cadr didactic	**Tipul mobilitatii**	**Universitatea gazda**	**Perioada**
	Laurențiu Stoleriu	**Profesor invitat**	Washington and Lee University, Lexington, Virginia, SUA	13-27.09.2018
	Laurențiu Stoleriu	**Contract bilateral**	Institut de Physique de Rennes, France	03-09.11.2019

PhD students who defended the thesis in the evaluated period: 1 Oct 2015-Oct 2020: 41 (see table in point B.3.1.2) .: 90 participations (with evidence) at international conferences, by 31 PhD students.

PhD students enrolled in the academic year 2019-2020: 53.

Total PhD students at the end of the 2019-2020 academic year: 53-7 = 46 (6 defended their thesis in September 2020 and one in December 2019): participation (with evidence) in international conferences, by PhD students who have not yet completed (46) : 31 participations (with evidence) in international conferences.

Total: 46 unfinished doctoral students + 41 completed doctoral students = 87 doctoral students

35%x87 = 30,45 , so at least 31 drd

It is noted that the requirement is met only with PhD students who have completed, and only for participation in international conferences. However, it is possible to take into account the total number of papers (195 presentations with evidence and without evidence) supported by all doctoral students, presented in point: B.3.1.1. SD accreditation

Requirement: 20% x 87 = 17.4, minimum 17 doctoral students
Participation in training courses abroad: 33, by 21 doctoral students! REQUIREMENT FULFILLED

We present below the summer internships and schools in which the doctoral students participated (Annex 32):

DOCTORAL STUDENTS WHO HAVE NOT COMPLETED YET THE THESIS UNTIL OCT. 2020

Prof. dr. habil. Gabriela Borcia

1. Ioana Cristina Gerber STSM – Short Term Scientific Mission
- 26 Februarie – 10 Martie 2018, Madrid, Spania
- Intitutie gazda – Intituto de la Estructura de la Materia (IEM - CSIC)
- Coordonator Activitate – Prof. Victor J. Herrero
- Tema de cercetare – Energetic Processing (UV and/or electrons) of interstellar dust analogs obtained in hydrocarbon plasma

2.Ioana Cristina Gerber STC 2020 - ONLINE STANDARDIZATION TRAINING COURSE 2020 , Organizator: ESA Academy, Agenția Spațială Europeană
Perioada training: 28 Septembrie – 07 Octombrie 2020
3. Ioana Cristina Gerber, stagiu, Intituto de la Estructura de la Materia (IEM - CSIC), Madrid, Spania, 26 Februarie – 10 Martie 2018

Conf. dr. habil. Silviu Gurlui

DOCTORAL STUDENTS WHO HAVE NOT COMPLETED YET THE THESIS UNTIL OCT. 2020

1.HUȘANU GEORGIANA –FRANCISCA a activat in stagiu la Instituto de Ciencia de Materiales de Madrid ICMM-CSIC. Erasmus+, Student Mobility for Placement (SMP), 11.03-31.05.2019

Prof. Dr. Maricel Agop

DOCTORAL STUDENTS WHO HAVE NOT COMPLETED YET THE THESIS UNTIL OCT. 2020

1. ENESCU FLORIN:o mobilitat2 CEEPUS: 11.2019-03.2020: stagiu la Institut für Ionenphysik und Angewandte Physik, Technikerstraße 25, 6020, Innsbruck, Austria.

2. ENESCU FLORIN: o mobilitatate CEEPUS: 10.2020-02.2021: stagiu la Institut für Ionenphysik und Angewandte Physik, Technikerstraße 25, 6020, Innsbruck, Austria.
3. ENESCU FLORIN: 2018: mobilitate, Institut für Ionenphysik und Angewandte Physik, Technikerstraße 25, 6020, Innsbruck, Austria, mobilitate fnantata de contractul 34 FPE, o mobilitate 3 4. ENESCU FLORIN iun-sept 2019: mobilitate Erasmus la LSC, Canfranc Estacion, Spania.

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020

4. Stefan ANDREI IRIMICIUC participare la 5th International School on Lasers in Materials Science-SLIMS 2016, Venice Italy 10-17july, 2016
5.Stefan ANDREI IRIMICIUC stagiu Univ. Lille 1 Science et Technologies, Lille, FRANTA, 2017
6.Stefan ANDREI IRIMICIUC participare la 1st Autumn School on Physics of Advanced Materials (PAMS-1), 22-28 sept 2014, Iasi

Prof. dr. Caltun Ovidiu

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020

1. Gafton Elena Vasilica: Participare la workshopul „COIMBRA - UNICA joint PhD training workshop:
Navigating your career” organizat la „Centre for Advanced Academic Studies of the University of Zagreb” in perioada 18-21 Octombrie, 2015 la Dubrovnik, Croatia (http://www.unica-network.eu/event/coimbra-group-unica-joint-training).
2. Gafton Elena Vasilica: Participare la „Ninth International Accelerator School for Linear Colliders” organizat de „Linear Collider Collaboration and the ICFA Beam Dynamics Panel and hosted by TRIUMF” in perioada 26 Octombrie – 6 Noiembrie, 2015 la Whistler, British Columbia, Canada (http://lcschool2015.triumf.ca/index.html)

Prof.dr. Iacomi Felicia

DOCTORAL STUDENTS WHO HAVE NOT COMPLETED YET THE THESIS UNTIL OCT. 2020

1. Alupului Teodor, 3 rd Autumn School on Physics of Advanced Materials, Technological Educational Institute of Crete, Heraklion, September 22-28, 2018
2.M.Toma, -3 rd Autumn School on Physics of Advanced Materials held at Technological Educational Institute of Crete, Heraklion, September 22-28, 2018
3.L. Popa, 3 rd Autumn School on Physics of Advanced Materials held at Technological Educational Institute of Crete, Heraklion, September 22-28, 2018
4.L. Punga, 3 rd Autumn School on Physics of Advanced Materials held at Technological Educational Institute of Crete, Heraklion, September 22-28, 2018
5.Popescu (cas. Lipan) Lucia Larisa**:** Mobilitate de practică la Instituto Superior Tecnico, Portugalia, Lisabona în cadrul programului ERASMUS + 2014 – 2015, 15 iunie – 15 septembrie 2015.

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020

6. Emil Puscasu, 2-nd Autumn School on Physics of Advanced Materials (PAMS-2), September 8–14, 2016, Cluj-Npoca, Romania
7. Maria Andries, 2-nd Autumn School on Physics of Advanced Materials (PAMS-2), September 8–14, 2016, Cluj-Npoca, Romania (fara dovada)
8.Maria Andries, Nanostructured materials with magnetic properties - impact on environmental microflora, 9th Central European Training School on neutron technique - CETS2015, 2015, Budapesta, Ungaria; (fara dovada)

Prof.dr. habil. Liviu Leontie

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020

1. Oana Susu: 3rd Autumn School on Physics of Advenced Materials (PAMS–3), Heraklion (Greece), September 22 − 28, 2018:
2. HROSTEA LAURA, Erasmus+ Student Mobility for Placement (SMP), UNIVERSITATEA DIN ANGERS, FRANTA, 06/2019 - 12/2019
3. HROSTEA LAURA, Stagiu de cercetare finantat prin Bursa Guvermului Francez, UNIVERSITATEA DIN ANGERS, FRANTA 15/01 - 15/05/2019;15/01 - 23/05/2020

DOCTORAL STUDENTS WHO HAVE NOT COMPLETED YET THE THESIS UNTIL OCT. 2020

4. GAROFALIDE (căs. IACOB) SILVIA TUDORIȚA, Erasmus+ Student Mobility for Placement (SMP), UNIVERSIDADE DE LISBOA – Instituto de Geografia e Ordenamento do Território (IGOT), PORTUGAL, 02/03/2020 – 29/05/2020
5. LISNIC PETRU, Erasmus+ Student Mobility for Placement (SMP)
UNIVERSITATEA DIN ANGERS, FRANTA, 01/05/2019-01/07/2019 si 09/09/2019-09/12/2019

Prof. dr. Dumitru Luca

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020

1.Teodorescu-Soare Claudia, CEEPUS
Universitatea Leopold-Franzens din Innsbruck, Austria/Institutul pentru Fizică Ionică și Fizică Aplicată (2013, 2014, 2015) si 01.10.2018 - 24.11.2018 (dovada)

Prof.dr. Stancu Alexandru

DOCTORAL STUDENTS WHO HAVE NOT COMPLETED YET THE THESIS UNTIL OCT. 2020

1. Doctorand Andrei-Adrian Domocos – IEEE Magnetics Society Summer School – Quito, Ecuador (2018)
2. DoctorandFlavian Zacretchi – IEEE Magnetics Society Summer School – Tohoku, Japan (2016)

Prof. dr. Ciprian Dariescu

DOCTORAL STUDENTS WHO HAVE NOT COMPLETED YET THE THESIS UNTIL OCT. 2020

1.Adrian Bodnarescu: Scoala de vara internationala „String Field Theory and Related Aspects VI”, organizata de Scoala Internationala Superioara de Studii Avansate SISSA, Trieste, Italia, iulie-august 2014.
2. Adrian Bodnarescu : Scoala de vara Universidad Complutense de Madrid 27.03.2015-3.04 2015 (Annex 33)

Prof. dr. Tudor Luchian

DOCTORAL STUDENTS WHO HAVE NOT COMPLETED YET THE THESIS UNTIL OCT. 2020

1.Ioana Cezara Bucataru, - 5th @RoBioinfo Seminar: *Bioinformatics tools for exploring protein biology*, 4-5 aprilie 2019, Iași, România.
2.Ioana Cezara Bucataru, EBSA 2019 Summer Biophysics School, *Biophysics in the 21st Century*, 17-19 iulie 2019, El Escorial, Spania.
- Ioana Cezara Bucataru,, satellite workshop in the frame of PIM 2019, *Emerging molecular technologies based on micro- and nano-structured systems with biomedical applications*, 24 septembrie 2019, Cluj Napoca, România.

DOCTORAL STUDENTS WHO COMPLETED THE THESIS UNTIL OCT. 2020

1. Isabela Dragomir, EBSA Summer Biophysics School, Biophysics in the 21st Century, El Escorial, Spain, 17-20 July 2019

(Indicator C.3.1.2. Accreditation of doctoral and SD fields) Within the evaluated field of study / IOSUD is supported, including financially, the organization of doctorates in international co-supervision, respectively the invitation of first-rate experts to give courses / lectures for doctoral students.

For the period 2015-2020: 3 international co-tutors and 1 Double Degree Program (Annex 4, Annex 38)

1. PhD student Laura Hrostea: PhD in co-supervision with Angers University, Supervisors: Prof. Dr. Liviu Leontie and Dr. Habil. Mihaela Girtan, Year of ADMISSION: 2017., year of support 2020
2. PhD student Roxana Jijie: PhD in co-supervision with the University of Lille 1, France. Supervisors: Dr. Nicoleta Dumitrascu and Dr. Rabah Boukherroub. Year of support: 2016.
http://www.phys.uaic.ro/index.php/scoala-doctorala/sustineri-teze-doctorat/jijie-roxana-doctorat/
3.Doctoral student Stefan ANDREI IRIMICIUC: doctorate in co-supervision with Univ. Lille 1 Science and Technologies, Lille, FRANCE, Supervisors: Prof. Dr. Maricel Agop and Prof. Dr. Cristian Focsa, Year of support: 2017

Irimiciuc Stefan University of Lille France: On November 21, 2018, the University of Lille, France awarded the Prix de these "Recherche Internationale" at the STARTDOC 2018 conference - Rentrée des Écoles Doctorales Lille Nord de France, doctoral thesis "Experimental and theoretical studies on the dynamics of transient plasma plumes generated by laser ablation in various ablation regimes "elaborated by Stefan Andrei Irimiciuc.
By awarding this prize, the thesis was recognized as the best doctoral dissertation in the field of Exact Sciences and Technologies in the consortium of doctoral schools in northern France.
http://www.phys.uaic.ro/index.php/scoala-doctorala/sustineri-teze-doctorat/irimiciuc-stefan-andrei-doctorat/
4. PhD student CIOLAN MIHAI ALEXANDRU PhD in the Double Degree Program with Shizuoka University, Japan, Supervisors: Prof. Dr. Masaaki Nagatsu and Prof. Dr. Dumitru Luca, year of support in UAIC: 2016,
http://www.phys.uaic.ro/index.php/ciolan-m-mihai-alexandru-doctorat/

During the evaluated interval, a number of 19 experts gave courses / lectures for doctoral students:

1. Dr. habil. Mihaela Girtan, University of Angers, 2013/2014, 2014/2015, 2015/2016, 2016/2017, 2017/2018
- Energy conversion from one form to another. Different systems. returns
- Solar thermal
- Photovoltaic solar
- Organic and inorganic materials for third-generation solar cells
- Technology for the preparation of semiconductor solar cells in thin films
- Optical characterizations: ellipsometry

2.Prof. Roman SCHRITTWIESER, Leopold-Franzens-Universitaet Innsbruck, 2017/2018 (Annex 4**)**
- Plasma probe diagnostics – fundamentals.
- Plasma probe diagnostics – special applications to fusion plasmas.

3.Prof. Nebosja Mitrovic, University of Krakujevac, 2017/2018
- Magneto-impedance (MI) and magneto-resistive (MR) effects for magnetic field sensor.

4. Dr. Adam Revesz, Eotvos Lorand University, 2017/2018
- Theory and applications of X-ray line profile analysis.

5.Prof. Orestis Kalogirou, Aristotle University of Thessaloniki, 2016/2017
- A general introduction in medical application of magnetic nanoparticles
- Magnetism at nanoscale. Ferro-, ferri, para- and superpara-magnetism
- Magnetic nanoparticles for hyperthermia
- Magnetic nanoparticles for enhancing contrast in NMR.

6.Dr. Sergej Varlamov, BTU Cottbus-Senftenberg, 2016/2017
- Instabilities and pattern formation in fluid dynamics.

7.Prof. Michael Besterhorn, BTU Cottbus-Senftenberg, 2016/2017
- Instabilities and pattern formation in fluid dynamics.

8.Dr. Ridvan Karapinar, MEHMET AKİF ERSOY UNIVERSITY, 2016/2017
- Liquid crystals

- Polymer dispersed liquid crystals
- Cholesteric liquid crystals

9.Prof. Evangelos Vitoratos, University of Patras, 2016/2017
- Thermal Degradation Issues of Conducting Polymers. Experimental and Theoretical Study.
- Teaching Physics Competencies. Semiotics and Conceptual Issues.

10.Prof. Marisa Michelini, University of Udine, 2016/2017
- Teacher education and IDIFO6 project
- CLOE labs for informal learning
- Thermal phenomena by means of sensors on-line for innovation in teaching-learning thermodynamics.

11.Prof. Florentin Paladi, Moldova State University, 2015/2016
- A unified stochastic method for simulating multiagent interactions in heterogeneous complex systems.

12.Prof. Izzedine Zorkani, Sidi Mohamed Ben Abdellah University, Fes, 2016/2017, 2017/2018
- Physics of materials (semiconductors, polymers)
- Special topics in quantum physics
- Low dimensional systems
- Physics and techology of nanomaterials and nanodevices.

13.Prof. Izzedine Zorkani, Sidi Mohamed Ben Abdellah University, Fes, 2015/2016
- Nanomaterials and Photonics.
- Materials for solar energy conversion.
- Photovoltaic converters.

14.Dr. Fatiha Ghaleb, Université des Sciences et de la Technologie d'Oran, 2015/2016
- Plasma physics: fundamentals and applications.

15.Dr. Daniel Moraru, de la Universitatea Shizuoka, 2016/2017
- Physics of Electron Transport in Nanoscale.

16.Dr. Branko Koprivica, University of Kragujevac, 2016/2017
- Electric steels for industrial applications.
- Inductometric methods in characterizing electromagnetic steels.
- Hysteresis graph method and data interpretation.
- Simulations on magnetization process in electric steels.

17.Dr. Sid Ahmed Sfiat, University of Sciences and Technology of Oran (USTO-MB), 2017/2018
- Theories of the Brownian Movement
- Determination of Molecular Dimensions

18.Professor Khalil EL-HAMI, University of Hassan 1st,, Faculty of Khouribga, Settat, 207/2018
- Nanomaterials, sandwich structures.
- Elaboration and characterization of carbon nanotubes and ferroelectrique polymer for NEMS.
- Damage and fracture fatigue, durability and reliability for layered nano-composite structures.

19.Prof. Mostefa Benhaliliba, University of Sciences and Technology of Oran (USTO-MB), 2017/2018
- Thin films and Devices: applications.
- Electronic devices based on oxide and organic materials

(Indicator C.3.1.3. Doctoral field accreditation and Indicator C.3.1.4 SD accreditation) The internationalization of activities within doctoral studies is supported by IOSUD through other concrete measures (for example, participation

in educational fairs to attract international doctoral students ; inclusion of international experts in committees for the guidance or defense of doctoral theses, etc.).

LIST OF INTER-INSTITUTIONAL AGREEMENTS and LIST OF BILATERAL AGREEMENTS WITH ERASMUS + KA103 PARTNER UNIVERSITIES are given for all IOSUD in Annex 36. List of prestigious universities from other states approved by the Ministry of National Education (Order of the Interim Minister of National Education no. 5462 of 12 November 2018 on approving the list of prestigious universities from other states, published in the Official Gazette of Romania, Part I, no. 1035 of December 6, 2018) is given in Annex 36.
A number of 14 international experts were invited to participate in the commissions for the defense of doctoral theses. http://www.phys.uaic.ro/index.php/scoala-doctorala/sustineri-teze-doctorat :

1.**C. S. I dr. Martino Trassinelli**, Centre National de la Recherche Scientifique (CNRS, France), Institut des NanoSciences de Paris - referent la teza de doctorat cu titlul: CONTRIBUTII LA STUDIUL INFLUENTEI FASCICULELOR IONICE ASUPRA PROPRIETATILOR MATERIALELOR MAGNETICE, sustinuta de drd. GAFTON V. ELENA-VASILICA, sub indrumarea prof. dr. Ovidiu Florin Caltun, la data de 27.09.2016https://www.phys.uaic.ro/index.php/scoala-doctorala/sustineri-teze-doctorat/gafton-elena-vasilica-doctorat/
2.**Dr. Rabah Boukherroub**, Research Director at Centre National de la Recherche Scientifique (CNRS, France) -conducator stiintific (cotutela) la teza de doctorat cu titlul: SINTEZA SI CARACTERIZAREA DE STRUCTURI POLIMERE COMPLEXE LA INTERFATA CU MEDIUL BIOLOGIC, sustinuta de drd. JIJIE I. ROXANA la data de 27.10.2016, sub indrumarea prof. dr. Nicoleta Dumitrascu (din partea UAIC)
http://www.phys.uaic.ro/index.php/scoala-doctorala/sustineri-teze-doctorat/jijie-roxana-doctorat/
3. **Dr. Jean-Olivier Durand**, senior researcher at the Institut Charles Gerhardt Montpellier , France – referent la teza de doctorat cu titlul: SINTEZA SI CARACTERIZAREA DE STRUCTURI POLIMERE COMPLEXE LA INTERFATA CU MEDIUL BIOLOGIC, sustinuta de drd. JIJIE I. ROXANA la data de 27.10.2016, sub indrumarea, in cotutela, a prof. dr. Nicoleta Dumitrascu si a Dr. Rabah Boukherroub
http://www.phys.uaic.ro/index.php/scoala-doctorala/sustineri-teze-doctorat/jijie-roxana-doctorat/
4.**Dr. Vincenzo Buscaglia** , researcher at National Research Council of Italy - referent la teza de doctorat cu titlul: SISTEME PEROVSKITICE CU CARACTER FERROELECTRIC / ANTIFEROELECTRIC sustinuta de drd. CIUCHI G. IOANA-VERONICA, la data de 25.09.2017, sub indrumarea prof. dr. Liliana Mitoseriu.
http://www.phys.uaic.ro/index.php/scoala-doctorala/sustineri-teze-doctorat/ciuchi-ioana-veronica-doctorat/
5.**Prof. dr. Cristian Focsa**, Universitatea Lille 1, Franta - conducator stiintific (cotutela) la teza de doctorat cu titlul: STUDII EXPERIMENTALE SI TEORETICE CU PRIVIRE LA DINAMICA PLASMELOR GENERATE PRIN ABLATIE LASER IN DIFERITE REGIMURI TEMPORALE, sustinuta de drd. IRIMICIUC V. STEFAN-ANDREI, la data de 20.10.2017, sub indrumarea prof. dr. Maricel Agop (din partea UAIC)
http://www.phys.uaic.ro/index.php/scoala-doctorala/sustineri-teze-doctorat/irimiciuc-stefan-andrei-doctorat/
6. **Prof.dr. Philippe Delaporte**, Universitatea Aix Marseille, Franta - referent la teza de doctorat cu

titlul: STUDII EXPERIMENTALE SI TEORETICE CU PRIVIRE LA DINAMICA PLASMELOR GENERATE PRIN ABLATIE LASER IN DIFERITE REGIMURI TEMPORALE, sustinuta de drd. IRIMICIUC V. STEFAN-ANDREI, la data de 20.10.2017, sub indrumarea, in cotutela, a prof. dr. Maricel Agop si a prof. dr. Cristian Focsa
http://www.phys.uaic.ro/index.php/scoala-doctorala/sustineri-teze-doctorat/irimiciuc-stefan-andrei-doctorat/

7. **Prof.univ.dr. Stéphane Pellerin,** Universite d'Orleans, Franta - referent la teza de doctorat cu titlul: STUDII EXPERIMENTALE SI TEORETICE CU PRIVIRE LA DINAMICA PLASMELOR GENERATE PRIN ABLATIE LASER IN DIFERITE REGIMURI TEMPORALE, sustinuta de drd. IRIMICIUC V. STEFAN-ANDREI, la data de 20.10.2017, sub indrumarea, in cotutela, a prof. dr. Maricel Agop si a prof. dr. Cristian Focsa
http://www.phys.uaic.ro/index.php/scoala-doctorala/sustineri-teze-doctorat/irimiciuc-stefan-andrei-doctorat/

8.**Assoc.prof. Dan Ricinschi,** Tokyo Institute of Technology, Japonia, - referent la teza de doctorat cu titlul: STUDIUL ROLULUI POROZITATII ASUPRA PROPRIETATILOR FEROELECTRICE, sustinuta de drd PADURARIU D. CIPRIANA, la data de 24.09.2018, sub indrumarea prof. dr. Liliana Mitoseriu.https://www.phys.uaic.ro/index.php/scoala-doctorala/sustineri-teze-doctorat/padurariu-cioclea-cipriana-doctorat/

9. **Dr. Carmen Galassi**, Consiglio Nazionale delle Ricerche (CNR), |currently: Research Director at Institute of Science and Technology for Ceramics (ISTEC) in Faenza (RA) ITALY- referent la teza de doctorat cu titlul: PREPARAREA SI CARACTERIZAREA UNOR STRUCTURI COMPOZITE MULTIFUNCTIONALE STUDIUL ROLULUI POROZITATII ASUPRA PROPRIETATILOR FEROELECTRICE, sustinuta de drd STANCULESCU I.R. ROXANA-ELENA CAS. PATRU, la data de 17.09.2015, sub indrumarea prof. dr. Liliana Mitoseriu.
https://www.phys.uaic.ro/index.php/scoala-doctorala/sustineri-teze-doctorat/stanculescu-roxana-elena-doctorat/

10. **Prof.dr. Masaaki Nagatsu**, Universitatea Shizuoka, Japonia - referent la prezentarea tezei la UAIC si coordonator stiintific in Japonia in cadrul Double Degree Programe la teza de doctorat cu titlul: SURFACE MODIFICATION OF ZINC OXIDE NANOPARTICLES AND FILMS BY LOW-PRESSURE PLASMA PROCESSING, sustinuta de drd. CIOLAN MIHAI ALEXANDRU la data de 08.02.2016, sub indrumarea prof. dr. Dumitru Luca (coordonator stiintific in Romania in cadrul Double Degree Program).https://www.phys.uaic.ro/index.php/scoala-doctorala/sustineri-teze-doctorat/ciolan-m-mihai-alexandru-doctorat/

11. **Prof. univ. Dr. Tiberiu Minea**, Universitatea Paris-Sud, Paris-Saclay, Orsay, Franţa -referent la teza de doctorat cu titlul: FABRICAREA DE MATERIALE FOTOCATALITICE CU APLICAȚII ÎN ENERGIA SOLARĂ, sustinuta de drd Demeter Petruța-Alexandra (căs. Diaconu) , la data de 30..09.2019, sub indrumarea prof. dr. Lucel Sirghi https://www.phys.uaic.ro/index.php/scoala-doctorala/sustineri-teze-doctorat/demeter-diaconu-petruta-alexandra-doctorat/

12. Prof. univ. Dr. Shashi Paul, De Montfort University, Leicester, UK referent la teza de doctorat cu titlul: CONTRIBUTIONS TO THE STUDY OF LASER INDUCED PHYSICO-CHEMICAL PHENOMENA IN CONTROLLED ATMOSPHERE, sustinuta de drd Alexandru Cocean , la data de 26.08.2019, sub indrumarea prof. dr. Felicia Iacomihttps://www.phys.uaic.ro/index.php/scoala-doctorala/sustineri-teze-doctorat/cocean-alexandru-doctorat/

13. **Conf. univ. Dr. habil. Mihaela Girtan**, Universitatea din Angers, Franța Franta - conducator stiintific (cotutela) la teza de doctorat cu titlul: STUDY OF OPTICAL AND ELECTRONC TRANSPORT PROPERTIES OF SOME THIN FILMS (BASSED ON CONJUGATED POLYMERS) FOR ORGANIC CELL APPLICATIONS, sustinuta de drd Hrostea Laura, la data de 28.09.2020, sub indrumarea prof. dr. Liviu Leontie (din partea UAIC) (cotutelă)https://www.phys.uaic.ro/index.php/scoala-doctorala/sustineri-teze-doctorat/hrostea-laura-doctorat/

14. **Prof. univ. Dr. Michael Kommpitsas**, National Hellenic Foundation (Grecia) referent la teza de doctorat cu titlul: STUDY OF OPTICAL AND ELECTRONC TRANSPORT PROPERTIES OF SOME THIN FILMS (BASSED ON CONJUGATED POLYMERS) FOR ORGANIC CELL APPLICATIONS, sustinuta de drd Hrostea Laura, la data de 28.09.2020, sub indrumarea prof. dr. Liviu Leontiehttps://www.phys.uaic.ro/index.php/scoala-doctorala/sustineri-teze-doctorat/hrostea-laura-doctorat/

(Indicator * C.3.1.3. SD accreditation) At least 10% of the doctoral theses within the doctoral school are written and / or presented in an international language or are co-supervised.

Between 10.2015-09.2020, 41 theses were defended (http://www.phys.uaic.ro/index.php/scoala-doctorala/sustineri-teze-doctorat/)
10%x41=4 teze:

Out of the total of 41 theses defended in the last 5 years, 9 theses (> 4) were written and / or presented in a language of international circulation or were co-supervised (Annex 38) - CRITERION FULFILLED!

5. APPENDIX ANNEXES

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Annex 2 Equipment - COMPLETION
Annex 3 Questionnaire for doctoral students
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This file contains 162 (one hundred and sixty-three) pages.

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Doctoral School Director,
MARDARE DIANA MIHAELA