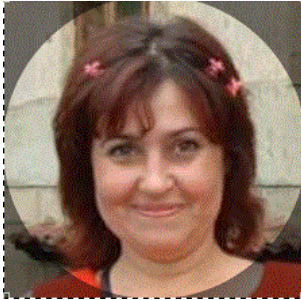


PERSONAL INFORMATION



IORDANA AȘTEFĂNOAEI

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Sex F | Date of birth 05/01/1970 | Nationality Romanian

**PRESENT
EMPLOYMENT/
POSITION**

**Associate Professor,
Alexandru Ioan Cuza University of Iași,
Faculty of Physics, Department of Physics**

WORK EXPERIENCE

2003 – 2020 Lecturer – Faculty of Physics

Alexandru Ioan Cuza University of Iasi,(www.uaic.ro),
Carol I Blvd, no 11 Iasi, 700506, Romania

2000 – 2003 Assistant – Faculty of Physics

Alexandru Ioan Cuza University of Iasi,(www.uaic.ro),
Carol I Blvd, no 11 Iasi, 700506, Romania

1993 – 1996 Scientific Researcher

National Institute of Research and Development for Technical Physics (IFT), (www.phys-iasi.ro),
prof. dr. doc. Dimitrie Mangeron Blvd, Iasi, Romania

**EDUCATION AND
TRAINING**

1996 – 2000 PHD (Physics)

Title: Global Properties of the spatio-temporal structure of the algebraic
special exact solutions of the Einstein field equations.

Coordinator: Prof. Dr. Ioan Gotlieb
Alexandru Ioan Cuza University of Iași, www.uaic.ro,
B-dul. Carol I, 11, Iași, 700506, România .

1988 – 1993 Faculty of Physics, Graduated in Physics/ Theoretical Physics

Alexandru Ioan Cuza University of Iasi,(www.uaic.ro),
Carol I Blvd, no 11 Iasi, 700506, Romania

1984 –1988 Liceul Industrial "C. Burcă" Pașcani, profil matematică - fizică

POSTDOCTORAL STUDIES

Research Stage – as visiting researcher – TRILL programme (ICTP Trieste) 10 months (march – december 2009)

At Institute E.N.E.A. ENTE PER LE NUOVE TECNOLOGIE L'ENERGIA E L'AMBIENTE, CENTRO RICERCHE CASACCIA, Istituto Nazionale di Metrologia delle Radiazioni Ionizzanti, ROMA

Research Stage – as visiting researcher – TRILL programme (ICTP Trieste) 9 months (december 2007 – August 2008)

At Institute E.N.E.A. ENTE PER LE NUOVE TECNOLOGIE L'ENERGIA E L'AMBIENTE, CENTRO RICERCHE CASACCIA, Istituto Nazionale di Metrologia delle Radiazioni Ionizzanti, ROMA

POSTDOCTORAL Programme

**POSTDOC NANOSCIENCE Programme
October 2005 – September 2007
Supervisor: Prof. Dr. Alexandru STANCU
"Alexandru. Ioan Cuza" University of Iași**

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English Language	B2	B2	B2	B2	B2
Italian Language	B1	B1	B1	B1	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- Good communication skills gained through my experience as teacher, team spirit

Organisational / managerial skills

Experience in “peer review” activities:

IEEE Transaction on Magnetism,
 Journal of Magnetism and Magnetic Materials,
 Journal of Advanced Research in Physics (JARP),
 Physica B: Condensed Matter,
 Journal of Applied Physics
 Nanoscale
 Journal of Electronic Materials (JEMS)

Organization of several events

(Faculty of Physics, Alexandru Ioan Cuza University of Iași)

- Practical work sessions for B.Sc and M.Sc students.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
- INDEPENDENT USER	- INDEPENDENT USER	- INDEPENDENT USER	- INDEPENDENT USER	- INDEPENDENT USER

Levels: Basic user - Independent user - Proficient user

[Digital competences - Self-assessment grid](#)

- good command of office suite (word processor, spread sheet, presentation software)
- good command of photo editing software gained as an amateur photographer
 O.S: Windows
 Microsoft Office
- Adobe (Acrobat, Photoshop),
- Corel Paint Shop Pro, Corel Draw, Origin, LabView,
- Maple, Wolfram Mathematica,
- Matlab, Comsol Multiphysics

Driving licence Driving licence B category

Didactic Activity

Seminar:

Theoretical Mechanics (anul II) (Iași, Extensiune UAIC - Bălți)
 Quantum Mechanics (anul II), (Extensiune UAIC - Bălți)
 Electrodynamics (anul II, Fizica Medicală, Iași)
 Electrodynamics and Relativity Theory (Extensiune UAIC, Bălți)
 Mathematical Methods of Theoretical Physics (2000-2004, Fizică III)
 Theoretical Physics (Chemistry-Physics, IV, 2004-2005)

Courses

Theoretical Mechanics (anul II, Fizică) (Iași, Extensiune UAIC, Bălți)
 Quantum Mechanics, (anul II, Extensiune UAIC, Bălți)
 Electrodynamics (anul II, Fizica Medicală, Iași)

Electrodynamics and Relativity Theory (Extensiune UAIC, Bălți)
 General Physics (Anul II, Geologie, Iași, 2019)
 Fundamentals of Mathematical Physics (master FAT, 2021)

Seminar (MASTER)

Ideas Evolution in Physics (Șcience)
 The use of the computer in teaching of Science (Șcience)
 Astrophysics and Astronomy, seminar (Science, Iași)
 Statistic and Probabilities

Scientific Activity

Research Activity (modelling and simulations) in the magnetic materials, magnetic hyperthermia, gravitation, quantum dots nano-systems.

1. Research Papers published <i>in extenso</i> in ISI journals (according ISI Web of Science)	<ul style="list-style-type: none"> ➤ 45 - ISI research papers ➤ 27 prim autor ➤ P = 13.91 ; I = 6.1889 ; C = 49.42 <p>(in conformitate cu 'Ordinul nr. 6129 din 20 decembrie 2016 privind aprobarea standardelor minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare-dezvoltare')</p>
2. Research Papers published in extenso in ISI Conference Proceedings	<ul style="list-style-type: none"> ➤ 5 articole (<i>Article; Proceedings Paper</i>) ➤ 22 papers – NON ISI Conference proceedings
3. Grants	<ul style="list-style-type: none"> ➤ As Member in - 11 national and international projects
4. Citations in ISI journals	<ul style="list-style-type: none"> ➤ 200 ISI citations ➤ h-index: 9 (according to Web of Science)
5. National and International Presentations	<ul style="list-style-type: none"> ➤ 9 invited papers – international conferences ➤ 44 (oral /poster) presentations
6. International Colaborations	<ul style="list-style-type: none"> ➤ ENEA INMRI - E.N.E.A. ENTE PER LE NUOVE TECNOLOGIE L'ENERGIA E L'AMBIENTE, CENTRO RICERCHE CASACCIA, Istituto Nazionale di Metrologia delle Radiazioni Ionizzanti, ROMA, Italia ➤ Department of General Physics and Condensed Matter Physics Lomonosov Moscow State University ·
7. Books	<ul style="list-style-type: none"> ➤ MODELE SPECIALE DE UNIVERS ȘI PATOLOGII SPAȚIO-TEMPORALE, Iordana Aștefănoaei, Ciprian Dariescu, Marina-Aura Dariescu Editura Univ. Al. I. Cuza, Iași (2007),(230 pagini), ISBN 973-703-205-5 (978-973-703-205-8).

	<ul style="list-style-type: none"> ➤ NOȚIUNI FUNDAMENTALE ȘI PROBLEME DE MECANICĂ ANALITICĂ Daniel Radu, Iordana Aștefănoaei Editura SEDCOM LIBRIS (2005), (510 pagini), ISBN 973-670-127-1 ➤ CULEGERE DE PROBLEME DE ELECTRODINAMICĂ Daniel Radu, Iordana Aștefănoaei, Ioan Mercheș Editura ȘTEF (2009), (400 pagini), ISBN 978-973-1809-49-6
8. Books Chapters	<ul style="list-style-type: none"> ➤ Modeling of the Temperature Field in the Magnetic Hyperthermia , Iordana Aștefănoaei, Alexandru Stancu in cartea: Numerical Simulations in Engineering and Science, IntechOpen,(2018), DOI: 10.5772/68125, ISBN: 978-1-78923-451-0, Print ISBN:978-1-78923-450-3. ➤ Dissipation and Thermal Time Constants in Graphite of an Ultra-Small Bead Thermistor Daniel Radu, Iordana Aștefănoaei, Cătălin Agheorghiesei, În cartea Recent Advances in Technology Research and Education Proceeding of the 16 th International Conference on Global Research and Education Inter - Academia 2017. Springer International Publishing AG (2018). ISBN: 978-3-319-67459-9 (eBook) Print ISBN:978-3-319-67458-2;

Participations – International Physics Conferences

Invited

COST ACTION CA 17115 European network for advancing Electromagnetic hyperthermic medical technologies, Sibiu, România, 2019.

IEEE Magnetics Society Chapter of the Romania Section Conference - **IEEE ROMSC 2019**, Iași, România, (2019).

The 12 International Conference on Physics of Advanced Materials, **ICPAM-12**, Heraklion, Greece,(2018).

A XLV-a Conferință Națională **FTEM 2018** – Fizica și Tehnologiile Educaționale Moderne, Iași, România (2018).

IEEE Magnetics Society Chapter of the Romania Section Conference - **IEEE ROMSC 2018**, Iași (România).

IEEE Magnetics Society Chapter of the Romania Section Conference - **IEEE ROMSC 2017**, Iași (România).

IEEE Magnetics Society Chapter of the Romania Section Conference - **IEEE ROMSC 2016**, Iași (România).

IEEE Magnetics Society Chapter of the Romania Section Conference - **IEEE ROMSC 2014**, Iași (România).

IEEE Magnetics Society Chapter of the Romania Section Conference - **IEEE ROMSC 2013**, Iași (România).

Oral/poster presentations

1) TIM 19 Physics Conference, Timișoara (România), 2019.

2) IEEE AIM 2018, La Thuile, Italy, 2018.

3) 62nd Annual Conference on Magnetism and Magnetic Materials (MMM 2017) Pittsburgh, PA, USA (2017).

4) TIM 17 Physics Conference, Timișoara, România, 2017.

5) TIM15-16 Physics Conference, Timișoara România, 2016.

6) 61st Annual Conference on Magnetism and Magnetic Materials (2016 MMM Conference), New Orleans (USA).

7) 7th International Workshop on Amorphous and Nanostructured Magnetic Materials (ANMM 2015), Iași Romania.

8) 20th International Conference on Magnetism (ICM 2015), 2015, Barcelona (Spania).

9) The 8th International Conference On Advanced Materials, ROCAM 2015, Bucuresti, 2015.

10) Conference International Symposium on Hysteresis Modeling and Micromagnetics (HMM 2015), Iasi, 2015.

11) 59th Annual Conference on Magnetism and Magnetic Materials (MMM 2014),2014, Honolulu, (Hawaii).

12) IEEE International Magnetics Conference (INTERMAG), 2014, Dresden (Germany).

13) IEEE ROMSC XI, Iasi, Romania, 2014.

- 14) International Conference on Physics of Advanced Materials (ICPAM-10), Iasi, Romania, 2014.
- 15) 58th Annual Conference on Magnetism and Magnetic Materials (MMM), 2013, Denver, Colorado (USA).
- 16) *IEEE e-Health and Bioengineering, 21-23 noiembrie 2013, Iași (România).*
- 17) COST MPO904 & IEEE ROMSC 2012, Iasi, (România).
- 18) INTERMAG 2011, Taipei.
- 19) ROMSC 2010, Iași, România. 20) The 6th IEEE ROMSC 2009 and 21) IEEE ROMSC 2008.
- 22) 10th Joint Magnetism and Magnetic Materials (MMM)/ InterMag Conference, 2007, Baltimore, Maryland (SUA).
- 23) 7th International Balkan Workshop on Applied Physics (IBWAP 2007, 2007, Constanta).
- 24) The fourth edition IEEE ROMSC, Iasi, 26-30 may 2007.
- 25) Soft Magnetic Materials Conference (SMM 18), Cardiff, 2-5 September 2007.
- 26) Joint European Magnetic Symposia (JEMS 06), San Sebastian, SPAIN 2006.
- 27) 6th European Magnetic Sensors & Actuators Conference, Bilbao (Spain, July 2006).
- 28) Al XV-lea Simpoziom Annual al Aroend, 14 - 16 iunie, Mamaia, Romania 2006.
- 29) 3rd International Workshop on Amorphous and Nanocomposite Magnetic Materials (ANMM 2005), S, Iasi, Romania.
- 30) One-day Seminar „Magnetic Nanomaterials Preparation, Characterization & Applications”, Iasi, Romania, 2004.

Member International Research Projects

Proiect MetrExtRT ca parte a unui program de cercetare pe metrologie (EMRP)- EURAMET - Establishment of a new absorbed dose to water standard for medium - energy x - rays at the ENEA-INMR (Cassacia Rome) (2013-2016).

Member – National Research Projects

- 1) CEEEX - MASTRICH C73-2006 - Materiale magnetice cu coeficienti de magnetostrictiune ridicati (2006-2008);
- 2) CEEEX - SINERMAT, Dezvoltarea de noi concepte, tehnici si abilitati bazate pe metode sinergice de evaluare neinvaziva a materialelor noi si avansate, a materialelor micro si nanostructurate, estimari de ciclu de viata a structurilor realizate de acestea (2005-2008);
- 3) Proiect CEEEX – MAGSAT, Materiale magnetostrictive multifuncționale pentru sisteme hibride inteligente de senzori, actuatori și traductor (2005-2008);
- 4) Proiect CEEEX – QUANET Simulator cuantic pentru dispozitive semiconductoare nanometrice - 2005-2008;
- 5) Proiect CERES - MANOPERM Procese de magnetizare in noi materiale nanostructurate cu permeabilitate magnetica ridicata - 2004-2006;
- 6) Proiect CEEEX – MATHYS Dezvoltarea unor modele experimentale si numerice de caracterizare a materialelor magnetice cu histerezis - 2006-2008;
- 7) Proiect CEEEX – SMMA Procese fizice in fire magnetice amorfe utilizate in functionarea senzorilor magnetici - 2006-2008;
- 8) Proiect HIFI- (2008) Sisteme nanostructurate cu aplicatii in dispozitive de inalta frecventa – HIFI
- 9) Proiect PN-IIRU- TE-2012-3-0449, UEFISCDI, 26/26.04.2013 Studiul comportarii in microunde a sistemelor de nanofire magnetic nesaturate
- 10) Proiect Hyperthermia (148/2012) – Particule magnetice cu temperatură Curie coborâtă pentru aplicații în hipertermie

Member:

Member of IEEE Magnetics Society din 2005
Member of Romanian Physical Society
Member of Centre for Applied Research in Physics and Advanced Technologies (CARPATH)

Anexa

Lucrări published – ISI journals

1. Horia CHIRIAC, Iordana AȘTEFĂNOAEI, "A Model of the DC Joule Heating in Amorphous Wires" **Phys. Stat. Sol. A**, 153(1), pp. 183-189, (1996).
2. Iordana AȘTEFĂNOAEI, D. RADU, H. CHIRIAC, "On DC Joule-Heating Effects in the Amorphous Glass-Covered $Fe_{77.5}Si_{7.5}B_{15}$ Microwires", **Journal of Physics D: Applied Physics**, 38(2), pp 235-248, (2005).
3. Iordana AȘTEFĂNOAEI, D. RADU, H. CHIRIAC, "Temperature Distributions in DC Joule-Heated Amorphous Magnetic Materials", **Journal of Optoelectronics and Advanced Materials**, 7(2), pp.933-950, (2005).
4. Iordana AȘTEFĂNOAEI, D. RADU, H. CHIRIAC „Temperature Distributions in DC Joule-Heated Amorphous Ribbons”, **Phys. Stat. Sol. A**, 202(13), pp. 2419-2435, (2005).
5. Iordana AȘTEFĂNOAEI, D. RADU, H. CHIRIAC, "Internal stress distribution in DC joule-heated amorphous glass-covered microwires", **J. Phys: Condens. Matter**, 18(9), pp. 2689-2716, (2006).
6. Iordana AȘTEFĂNOAEI, D. RADU, H. CHIRIAC „The supplementary compression stresses in Fe-B-Si wires”, **Journal of Optoelectronics and Advanced Materials**, 8(5), pp. 1736-1741, (2006).
7. Iordana AȘTEFĂNOAEI, D. RADU, H. CHIRIAC, „Induced residual stresses in the preparation process of the glass-covered amorphous magnetic microwires”, **Journal of Optoelectronics and Advanced Materials**, 8(3), pp. 978-983, (2006).
8. Iordana AȘTEFĂNOAEI, D. RADU, "Distribution of the Internal Stresses in DC Joule Heated $Fe_{77.5}B_{15}Si_{7.5}$ Conventional Amorphous Microwires", **Journal of Physics D: Applied Physics**, 39(18), pp. 3921–3931, (2006).

9. Iordana AȘTEFĂNOAEI, D. RADU, H. CHIRIAC, "The residual stresses of FeBSi – type in an ingot mould", **Journal of Optoelectronics and Advanced Materials**, 8(5), pp. 1731-1736, (2006).
10. Iordana AȘTEFĂNOAEI, Ioan DUMITRU, Raimond GRIMBERG, Alexandru STANCU, "The energetic states of quantum dots in the presence of a metallic layer", **Journal of Magnetism and Magnetic Materials**, 316(2) pp. e273-e275, (2007).
11. Iordana AȘTEFĂNOAEI, Alexandru STANCU, Horia CHIRIAC, "The effect of dc Joule-heating structure of conventional amorphous wires", **Journal of Magnetism and Magnetic Materials**, 316(2), pp. e276 – e279, (2007).
12. Iordana AȘTEFĂNOAEI, Alexandru STANCU, Horia CHIRIAC, "Magnetic domains structure of dc Joule-heated conventional amorphous", **Sensor Letters**, 5(1), pp.19-22, (2007).
13. Iordana AȘTEFĂNOAEI, Ioan DUMITRU, Raimond GRIMBERG, Alexandru STANCU, "The effect of a metallic layer on energetic states of quantum dots", **Sensor Letters**, 5(1), pp. 185-188, (2007).
14. Iordana AȘTEFĂNOAEI, H. CHIRIAC, A. STANCU, "The internal thermal stresses during the cooling process of a nanowire from alumina membrane", **Journal of optoelectronics and advances materials**, 10(7), pp.1763 – 1766, (2008).
15. Ioan DUMITRU, Iordana AȘTEFĂNOAEI, Raimond GRIMBERG, Alexandru STANCU, "The energy states of cylindrical quantum dot systems", **Journal of optoelectronics and advances materials**, 10(2), pp. 327 - 330, (2008).
16. Iordana AȘTEFĂNOAEI, Horia CHIRIAC, Alexandru STANCU, "Magnetic domains structure in DC Joule-heated amorphous glass-covered magnetic wires", **Journal of optoelectronics and advances materials**, 10(2), pp. 260 - 263, (2008).
17. Iordana AȘTEFĂNOAEI, Ioan DUMITRU, Andrei DIACONU, Leonard SPINU, Alexandru STANCU, "The temperature dependence of hysteretic processes in Co nanowires arrays", **Journal of Applied Physics**, 103(7), pp.07D930, (2008).
18. Ioan DUMITRU, Iordana AȘTEFĂNOAEI, Alexandru STANCU, "The energy eigenstates of two quantum dots systems placed at the air-semiconductor interface", **Journal of optoelectronics and advances materials**, 11(5), pp. 542-546, (2009).
19. Veronica GOIAN, Ioan DUMITRU, Iordana AȘTEFĂNOAEI, "The effect of temperature on magnetostatic interactions in nanowire systems", **Journal of optoelectronics and advances materials**, 11(5), pp. 542-546, (2009).
20. Daniel RADU, Antonio Stefano GUERRA, Cristina IONITĂ, Iordana AȘTEFĂNOAEI, "Heat loss through connecting thermistor wires in a three-body graphite calorimeter", **Metrologia** , 47(3), pp.179, (2010).
21. Cristina IONITĂ, Daniel RADU, Iordana AȘTEFĂNOAEI, "Radiative Heat Loss Correction for 3-Body Graphite Calorimeters", **Acta Physica Polonica A**, 118(4), (2010).
22. Marina-Aura DARIESCU, Ovidiu BUHUCIANU, Iordana AȘTEFĂNOAEI, "Chiral electrons in static fields at finite temperature", **Romanian Journal in Physics**, 56(9-10), pp1043-1052, (2011).
23. Iordana AȘTEFĂNOAEI, Ioan DUMITRU, Alexandru STANCU, "Induced Thermal Stresses in Core Shell Magnetic Particles", **IEEE Trans. Magnetism**, 47(10), pp 3829 - 3832, (2011).
24. A. S. GUERRA, S LORETI, M PIMPINELLA, M QUINI, M D'ARIENZO, I. AȘTEFĂNOAEI, C CAPORALI, C BOLZAN, M PAGLIARI , "A standard graphite calorimeter for dosimetry in brachytherapy with high dose rate ¹⁹²Ir sources", **Metrologia** , 49(5), pp. S179, (2012).
25. Iordana AȘTEFĂNOAEI, Ioan DUMITRU, Alexandru STANCU, "Size-dependent thermal stresses in the core-shell nanoparticles", **Chinese Physics B**, 22(12), pp. 128102, (2013).
26. Ioan DUMITRU, Iordana AȘTEFĂNOAEI, Alexandru STANCU, "Thermal stress dependence of magnetic hysteretic processes in core-shell nanoparticles", **Materials Science and Engineering B**, 178(19), pp. 1323-1328, (2013).
27. Cristina IONITĂ, Daniel RADU, Iordana AȘTEFĂNOAEI, "3D- modeling of temperature gradients induced by electrical power dissipation in a 3-body Domen-type calorimeter for absorbed dose measurements", **Materials Science and Engineering B** 178(19), pp.1275-1284, (2013).
28. Iordana AȘTEFĂNOAEI, Ioan DUMITRU, Alexandru STANCU, Horia CHIRIAC, "A thermo-fluid analysis in magnetic hyperthermia", **Chinese Physics B**, 23(4), pp.044401, (2014).
29. Iordana AȘTEFĂNOAEI, Ioan DUMITRU, Alexandru STANCU , Horia CHIRIAC, "Controlling Temperature in Magnetic Hyperthermia with low Curie Temperature Particles", **Journal of Applied Physics**, 115(17), pp. 17B531, (2014).
30. Iordana AȘTEFĂNOAEI, Ioan DUMITRU, Alexandru STANCU , Horia CHIRIAC, "Use of the Fe–Cr–Nb–B systems with low curie temperature as mediators in magnetic hyperthermia", **IEEE Transactions on Magnetism**, 50(11), pp.1-4, (2014).
31. Ioan DUMITRU, Iordana AȘTEFĂNOAEI, Dorin CIMPOEȘU, Alexandru STANCU, "Magnetic behavior of Joule-heated magnetic core–shell nanowires with positive magnetostrictive core material", **Applied Surface Science**, 352(54-59), (2015).

32. M. PINTO, M. PIMPINELLA, M. QUINI, M D"ARIENZO, I. AȘTEFĂNOAEI, S. LORETI, A.S. GUERRA, "A graphite calorimeter for absolute measurements of absorbed dose to water: application in medium-energy x-ray filtered beams", **Physics in medicine and biology**, 61(4), pp. 1738, (2016).
33. Iordana AȘTEFĂNOAEI, Horia CHIRIAC, Alexandru STANCU, "Investigation of the temperature field in the magnetic hyperthermia using FeCrNbB magnetic particles", **The European Physical Journal Plus**, 131(9), pp.322, (2016).
34. Iordana AȘTEFĂNOAEI, Ioan DUMITRU, Horia CHIRIAC, Alexandru STANCU, "Use of the Fe–Cr–Nb–B systems with low Curie temperature as mediators in magnetic hyperthermia", **IEEE Transactions on Magnetics**, 52(7), pp.1-4, (2016).
35. Iordana AȘTEFĂNOAEI, Alexandru STANCU, Horia CHIRIAC, "Thermal performance of Fe-Cr-Nb-B systems in magnetic hyperthermia", **Journal of Applied Physics**, 121(10), pp. 104701, (2017).
36. Iordana AȘTEFĂNOAEI, Alexandru STANCU, Horia CHIRIAC, "Numerical simulation of the temperature field in magnetic hyperthermia with Fe-Cr-Nb-B magnetic particles", **The European Physical Journal Plus**, 132(2), pp. 89, (2017).
37. Iordana AȘTEFĂNOAEI, Alexandru STANCU, "Advanced thermo-mechanical analysis in the magnetic hyperthermia", **Journal of Applied Physics**, 122(16), 164701 (2017).
38. Iordana AȘTEFĂNOAEI, Alexandru STANCU, "A computational study of the bioheat transfer in magnetic hyperthermia cancer therapy", **Journal of Applied Physics**, 125(19), pp. 194701, (2019).

ISI – Conference Proceeding

1. Iordana Astefanoaei, Alexandru Stancu, Horia Chiriac, Ioan Dumitru, Monitoring the thermal effects in the magnetic hyperthermia, **IEEE-2013 E-HEALTH AND BIOENGINEERING CONFERENCE (EHB)**, 2013 - Isi Proceeding.
2. M. PINTO, M. PIMPINELLA, A.S. GUERRA, I. AȘTEFĂNOAEI, M.QUINI, M.P. TONI, "Development of a new in-water-phantom graphite calorimeter for the measurement of absorbed dose to water in medium energy x-ray beams", **16th International Congress of Metrology, 05009, (2013) – Isi Conference Proceedings**.
3. Iordana Astefanoaei, Alexandru Stancu, A temperature analysis in magnetic hyperthermia, **AIP CONF PROC - TIM17 Physics Conference**, 1916 (1), 040009, (2017)- **ISI Proceeding**.
4. Iordana Astefanoaei, Alexandru Stancu, Horia Chiriac, Magnetic hyperthermia with Fe-Cr-Nb-B magnetic particles, **AIP CONF PROC - TIM15-16 Physics Conference**, 1796 (1), 040006 - **ISI Proceeding**.
5. Iordana Astefanoaei, Alexandru Stancu, **Titlul lucrării, AIP CONF PROC - TIM19 Physics Conference, 2019 - Isi Proceeding**.

Data:
01 martie 2022

Signature:

Conf. univ. dr. Iordana Aștefănoaei

