






INFORMATII PERSONALE		Dorina-Emilia CREANGA
		Universitatea „Alexandru Ioan Cuza”, Facultatea de Fizică, Iași, România
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		mdor@uaic.ro , dorina.creanga@gmail.com
Sex Fem. data nașterii 05/12/1955 Nationalitatea Română		

EXPERIENȚA PROFESIONALĂ	1991-2018	Universitatea „Alexandru Ioan Cuza”, Facultatea de Fizică, Iași, România (Asistent, Lector, Conferențiar, Profesor, Profesor abilitat)
	-1988-1990	
	-1979-1991	- Institutul Politehnic Iași, România (Asistent asociat) - Întreprinderea de Antibiotice, Iași, România (fizician)

Domenii de cercetare de **Domenii principale de cercetare:**
Bioefectele radiațiilor și nanoparticulelor metalice, Biofizică - bioelectromagnetism și neurobiofizică

Teme de cercetare curente:

Proprietățile nanoparticulelor metalice magnetice multistratificate și impactul acestora asupra mediului

Sinteza, caracterizarea fizică și bioefectele nanoparticulelor metalice nemagnetice

Genotoxicitatea și citotoxicitatea radiațiilor electromagnetice

Analiza sistemelor complexe - analiza biosemnalelor

STUDII

Date (durate)	
2017	Teza de abilitare Contribuții la studiul nanoparticulelor metalice cu aplicații în științele vieții Universitatea „Alexandru Ioan Cuza”, Iași, 2017, Noiembrie.
2005	Școla de vară româno-franceză de biochimie, Ed. 10 Universitatea „Alexandru Ioan Cuza”, Iași, România Facultatea de Biologie în colaborare cu Universitatea din Lille, Franța) -1 lună
2004	Școla de vară româno-franceză de biochimie, Ed. 9 Universitatea „Alexandru Ioan Cuza”, Iași, România Facultatea de Biologie în colaborare cu Universitatea din Lille, Franța) -1 lună
2002	Curs scurt de vară asupra Fundamentelor și Aplicațiilor Imagisticii prin Rezonanță Magnetică și Spectroscopie Localizată, Neptun, România (organizată prin Fundația Culturală Română și Societatea Internațională pentru Rezonanța Magnetică în Imagistică)– 1 săptămână
1999	Curs scurt de vară TEMPERE (Training and Education for Medical Physics and Engineering Reform In Europe) La Medical School in Patras, Grecia –1 săptămână
1998	Seminar Româno-Francez de Dozimetrie Clinică (organizată de IAEA, International Atomic Energy Agency, Vienna, Austria), Iași, România-1 lună
1995-1999	Teza de doctorat, Diploma de doctor în Biofizică (<i>Cum laudae</i>), Facultatea de Fizică, Universitatea “Babeș-Bolyai”, Cluj-Napoca, România
1984 -1985	Curs intensiv de limba germană -1 an la Universitatea „Alexandru Ioan Cuza”, Iași, Facultatea de Filologie
1983-1984	Curs intensiv de limba engleză -1 an la Universitatea „Alexandru Ioan Cuza”, Iași, Facultatea de Filologie
1981	Curs de specializare profesională în Industria Chimică la Institutul Central de Chimie (ICCHIM), București, România - 1 lună
1980	Curs de Vară în Fizica Ionilor Grei, Brașov, România (organizată de Institutul de Fizică Atomică, București) – 1 lună

1977-1978	Specializare de 1 an (postuniversitar) în Optică, Spectroscopie, Fizica Plasmei, Universitatea „Alexandru Ioan Cuza”, Iași, România, Facultatea de Fizică
1977	Specializare în Fizica Plasmei la Universitatea din Greifswald, Germania -1 lună
1974-1978	Facultatea de Fizică la Universitatea „Alexandru Ioan Cuza”, Iași, România

Limba maternă(s)	Română				
Alte limbi	ÎNȚELEGERE		VORBIT		SCRIS
	Ascultare	Citire	Discuții interactive	Inițiator de discuții	
Engleză	B1	B1	B1	B1	C1
	Nivel.				
Franceză	B1	B1	B1	B1	C1
	Nivel: A1/A2: utilizator - B1/B2: utilizator independent - C1/C2 utilizator avansat				

Abilități de comunicare	<ul style="list-style-type: none"> Comunicare bună cu generațiile de studenți la care am predat cursuri de Biofizică și Fizică Medicală. Comunicare eficientă cu auditoriul de la conferințe naționale și internaționale unde am susținut lecții invitate comunicări orale și poster. Comunicare bună cu partenerii Erasmus din cadrul colaborărilor Erasmus și Erasmus pe care le-am inițiat pentru mobilitățile studenților și cadrelor didactice ale universității Alexandru Ioan Cuza din Iași. Comunicare eficientă cu editori și referenți la reviste științifice precum și cu autori ale căror articole le-am recenzat. (Sensors & Actuators A., Int J Nanotech, BMC Biotechnol, J Magn Magn Mater, Colloids & Surfaces A, Int J Radiat Biol, J Ecol Natur Environ, J Med Medic Res, Asia Sci, Colloids & Surfaces B, Int J Phys Sci, Int Res J Biotechn, Afr J Biochem Res, Int J Nutr Metabol, Afr J Microbiol Res, J Clin Med Res, J Bacteriol Res, J Biophys Struct Biol, Int J Med Res, J Mol Struct și altele)
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Abilități de organizare și coordonare	<ul style="list-style-type: none"> Editor Șef și membru fondator la Revista de Fizică Medicală (editată sub auspiciile CFMR - Colegiul Fizicienilor Medicali din România) Member in Editorial Board la Romanian Journal of Biophysics Membru în comitetele de organizare la: International Conference of Physics of Advanced Materias (ICPAM): ICPAM 12, ICPAM-11, ICPAM-10, ICPAM-9, -precum și la -Conferința Națională de Biofizică: CNB 2005, 2013, 2015, - Conferința de Tehnologii Educaționale Moderne (FTEM) în Iași, România: FTEM 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015) Conferința CFMR (Colegiul Fizicienilor Medicali din România-), 2017, 2015, 2013 Director sau responsabil ale unor echipe de cercetare finanțate prin proiecte naționale și internaționale (enumerare în continuare)
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Abilități legate de practica profesională	<ul style="list-style-type: none"> Membru în Comisia 1- Științe exacte și științe ale naturii de la ARACIS (Agenția Română de Asigurare a Calității în Învățământul Superior) Membru al unei subcomisii de fizică a CNATCU (Consiliul Național de Atestare a Titlurilor, Diplomelor și Certificatelor Universitare) Membru în comisii de îndrumare de doctoranzi la Universitatea „Alexandru Ioan Cuza”, Iași (19 comisii din 2006 -2020) <p>Referent la teze de doctorat susținute public în România, la Universitatea „Alexandru Ioan Cuza”, Iași, Universitatea de Medicină și Farmacie Grigore T. Popa din Iași, Universitatea Babeș- Bolyai din Cluj-Napoca, Universitatea Tehnică Gheorghe Asachi din Iași. Membru în comisii de concurs pentru ocuparea unor poziții academice -lectori, conferențieri, profesori, fizicieni medicali la- at Universitatea „Alexandru Ioan Cuza”, Iași, Universitatea Babeș-Bolyai Cluj-Napoca, Universitatea de Agronomie și Medicină Veterinară din Iași, Institutul de Sănătate Publică Iași, Institutul Național de Cercetare și Dezvoltare pentru Fizică Tehnică, Iași, Universitatea Apollonia Iași, Spitalul Sf. Maria Iași</p>
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Competență în IT	Procesarea informației	Comunicare	Generare de conținut	Rezolvare de probleme
	Utilizator	Utilizator	Utilizator	Utilizator

Alte informații

Member in Physics Organizations	Reprezentant al CFMR (Colegiul Fizicienilor Medicali din România) la EOMP (Eur Org Med Phys) 2016-2018 Membru al Societății Române de Fizică Membru al Societății Europene de Fizică Membru al CFMR (Colegiul Fizicienilor Medicali din România) Membru al Societății române de Biofizică Pură și Aplicată (președinte al filialei Iasi 2015-2020)
Publicații în reviste de specialitate și citări	143 publicații in reviste de specialitate vizibile pe (ISI Web of Science -Thomas Reuter) a) Hirsch -index h=16 - Thomas Reuter h index-16 - Scopus; h index=21 - Google Scholar
Cărți și capitole de carte	<p><u>D. Creangă</u>, S. Dunca, A. Poiată. Some aspects regarding bacteria sensitivity to physical constraints of magnetic nature. In <i>Advances in Medicine and Biology</i>, Volumul 16, Capitolul 11, pp. 287-302. Nova Publishers, 2011.</p> <p>Bazele biomagnetismului, <u>Creangă, D.</u>, Ed. Universității „Alexandru Ioan Cuza -Iași, 2010, 125 pag.</p> <p>Elemente de radiobiofizică, <u>Creangă, D.</u> 2005, Ed.CERMI,199 pag.</p> <p>Proprietăți electrice ale membranelor celulare, Neacșu, I., <u>Creangă, D.</u>, 2003, Editura Universității „Alexandru Ioan Cuza -Iași , 292 pag.</p> <p>Chaos and fractal features in heart electric activity, autor <u>D. Creangă</u>, in <i>Interdisciplinary applications of fractal and chaos theory</i>, Ed.; R. Dobrescu, C. Vasilescu, Editura Academiei Rom.âne București, 2004, pag. 274-297</p> <p>Lucrări de laborator de Radiobiologie, <u>Creangă, D.E.</u>, Editura Universității „Alexandru Ioan Cuza -Iași, 2002, 185 pag.</p> <p>Experimente de fizică generală și biofizică, Editura Universității „Alexandru Ioan Cuza -Iași, 2000, <i>Alexandroaie, D., Creangă, D., Delibas, M., Dorohoi, D., ș.a.</i>(24 pag. <u>D. Creangă</u>)</p> <p>Lucrări de Laborator de Biofizică, <u>Creangă, D.E.</u>, Edit. Universității „Alexandru Ioan Cuza -Iași, 2003, 235 pag</p> <p>Introducere în biofizica moleculară și citotisulară, Edit. Apollonia-Iași, 2002, Isac, R.M., Topoliceanu, F., <u>Creangă, D.</u> 350 pag</p> <p>Elemente de electrofiziologie, <u>D. Creangă</u>, Ed. Cermi, 157 pag., 2003</p> <p>Aspecte ale geneticii, ecologiei și evoluției populațiilor, Creangă, I., Surugiu, C.I., <u>Creangă, D.</u>, Băra, I.I., Ed. Corson, Iași, 2002, (Capitolul 5, Teoria haosului deterministic metode de studiu semi – cantitative în studiul sistemelor naturale)– 20 pag</p> <p>Application of fuzzy logic to visual system modeling, autori: <u>Creangă, D.</u>, Isac, M., Isac, R.M., in <i>Advances in intelligent systems</i>, Ed. F.C. Morabito, IOS Press, 1997, Amsterdam, Olanda, pag. 367-371</p>

Director de proiecte de cercetare - naționale și internaționale	<ol style="list-style-type: none"> 1. Proiect CEEEX (Cercetare Exploratorie Complexă) – Cercetarea interacțiunilor bioelectromagnetice și impactului biologic al expunerii umane la câmpuri electromagnetice de radiofrecvență și microunde, 2005-2007, 115000 lei director partener Universitatea „Alexandru Ioan Cuza”, Iași, Creangă D. 2. PN II no. 71046 BIOMAG, - Noi metode și tehnici de înaltă rezoluție pentru investigarea și diagnostic medical, 2008-2010, 30000 lei, director partener Universitatea „Alexandru Ioan Cuza”, Iași, Creangă D. 3. PN II, IDEI 2021/474 – Studierea mecanismelor moleculare și celulare <i>declanșate de impactul contaminării magnetice și expunerii electromagnetice asupra organismelor vii</i> 2009-76681 lei, 2010-100000 lei, 2011-179121 lei director Creangă D., 2009-2011 4. CNCSIS tip A –Nr. 1379,2007-2008, Studiul unor efecte niologice ale fluidelor magnetice biocompatibile, 2007- 40000 lei, 2008-60000 lei, director Creanga D., 5. Proiect B.EN.A – Balkan Environmetal Association-(Greece), Study on the biological effects induced in the living bodies by the electromagnetic fields; assessment of the risk on the environment for the identification of the areas where pollution combat is required or ecological reconstruction, 2008, 1220 euro, directpr Creangă, D., 6. Proiect FP7 - People IRSES, CERVISO „Cerebellum in visual spatial orientation”, Nr. 269263, 2009-2015, responsabil România, Creanga, D., 32500 euro 7. Proiect IUCN JINR - DUBNA, 04-4-1121, “Investigations of Condensed Matter by Modern Neutron Scattering Methods”, item 57: <i>Metal based nanoparticles and some bioeffects</i>, responsabil Universitatea „Alexandru Ioan Cuza”, Iași Romania, director Creangă, D. 2015 8. Proiect IUCN JINR - DUBNA, 04-4-1121, item 79: <i>Yielding of magnetic nanoparticles with various chemical composition and study of their bioeffects</i>, responsabil Universitatea „Alexandru Ioan Cuza”, Iași Romania, director Creangă, D., 2016 9. Proiect IUCN JINR - DUBNA, 04-4-1121, item 80: <i>Gold nanoparticles in aqueous suspension for applications in environment sciences</i>, responsabil Universitatea „Alexandru Ioan Cuza”, Iași Romania, director Creangă, D., 2016 10. Proiect IUCN JINR - DUBNA, 04-4-1121, <i>Multilayered nanoparticles with organic/inorganic composition and biological impact</i>, item 62, responsabil Universitatea „Alexandru Ioan Cuza”, Iași Romania, director Creangă, D., 2017 11. Proiect IUCN JINR - DUBNA, 04-4-1121, item 68, <i>Silanized magnetic nanoparticles with potential utilization in environmental applications</i>, responsabil Universitatea „Alexandru Ioan Cuza”, Iași Romania, director Creangă, D., 2018 12. Proiect IUCN JINR - DUBNA, 04-4-1121, item 85, New nanocomposite layers and thin films based on graphene and polymers for hybrid solar cell and medical applications, responsabil Universitatea „Alexandru Ioan Cuza”, Iași Romania, director Creangă, D. 2018 13. Proiect JINR-Ro theme 04-4-1121/2019, item 45, Structural investigation of surface modified magnetic nanosystems synthesized by conventional or eco-friendly methods and their impact on the environment, coordonator Universitatea Lucian Blaga Sibiu, România, ULBS-UAIC partener, responsabil UAIC, D. Creangă 14. JINR-Ro Project Theme code: 04-2-1132-2017/2019, item 21: Experimental investigation of the behavior of eukaryotic environmental organisms exposed to radiation (coordonator Universitatea Alexandru Ioan Cuza – Iași, România în parteneriat cu Institutul de Cercetări
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	<p>Biologice din Iași) director D. Creanga</p> <p>15.JINR-Ro Project Theme code: 04-2-1132-2017/2020, item 21, Proton beam exposure of plant seeds and the induced bioeffects-Laboratory study, (coordonator Universitatea Alexandru Ioan Cuza – Iași, România în parteneriat cu Institutul de Cercetări Biologice din Iași) director D. Creangă)</p> <p>16. JINR-Ro project, theme no 04-4-1121/2020 item 34, title Combined study of the structure and properties of molecules for optimal interaction with magnetic nanocore surface for various applications of resulted nanoparticles: structural characterization and theoretical quantum mechanical analysis coordonator Universitatea Lucian Blaga Sibiu, România, ULBS-UAIC partener, responsabil UAIC, D. Creangă</p> <p>17. JINR-Ro project, theme no 04-4-1121/2020 item 32, Structural investigation of new functionalized nanoparticles for normal and neoplastic cell reactivity modulation (coordonator Institutul de cercetări Biologice din Iași în parteneriat cu Universitatea Alexandru Ioan Cuza - Iasi, Romania) responsabil UAIC, D. Creanga</p>
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Brevet național	Tufescu, F., Creanga, D., Metoda și instalație pentru expunerea controlată la radiații de microunde a probelor biologice în ghid de undă, 2012
Articole și brevete premiate (prin UEFISCDI- PRECISI, România)	<p>Poiata, A., Motrescu, I., Nastuta, A., Creanga, D., Popa, Gh., Microorganism response to atmospheric pressure plasma helium DBD treatment, J. Electrostat., 68(2), 128-131, 2010</p> <p>Vochita, G., Creanga, D., Focanici-Ciurlica, E., Magnetic nanoparticle genetic impact on root tip cells of sunflower seedlings, Water Air Soil Poll., 223(5), 2541-2549, 2012</p> <p>Poiata, A., Creanga, D., Nadejde, C., Fifere, N., Airinei, A. Chemically modified nanoparticles surface for sensing bacterial loading—experimental study based on fluorescence stimulation by iron ions. Bioelectrochemistry, 93, 51-58, 2013</p> <p>Stan, C., Astefanoaei, C., Pretegiani, E., Optican, L., Creanga, D., Rufa, A., Cristescu, C.P., Nonlinear analysis of saccade speed fluctuations during combined action and perception tasks., J. Neurosci. Meth., 323, 102-109, 2014</p> <p>Pretegiani, E., Astefanoaei, C., Daye, P. M., FitzGibbon, E. J., Creanga, D. E., Rufa, A., Optican, L. M. Action and perception are temporally coupled by a common mechanism that leads to a timing misperception, J. Neurosci. 35(4), 1493-1504, 2015</p> <p>E. Puscasu, L. Sacarescu, N. Lupu, M. Grigoras, G. Oanca, M. Balasoiu, D. Creanga, Iron oxide-silica nanocomposites yielded by chemical route and sol-gel method, J. Sol-Gel Sci. Technol., 79(3), 457-465, 2016</p> <p>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</p> <p>M. Răuciu, D. Creangă, Magnetite/Tartaric Acid Nanosystems for Experimental Study of Bioeffects on <i>Zea Mays</i> Growth, Rom. J. Phys. 62, 804, 2017</p> <p>Tufescu, F., Creanga, D., Metoda și instalație pentru expunerea controlată la radiații de microunde a probelor biologice în ghid de undă, (Method and installation for controlled exposure of biological samples in wave guide) Patent OSIM, 2018</p> <p>Morosanu, A. C., Todirascu, A. G., Creanga, D. E., Dorohoi, D. O., Computational and solvatochromic study of pyridinium-acetyl-benzoyl-methylid (PABM). Spectrochim. Acta A, 189, 307-315, 2018</p> <p>Verdes-Teodor, A., Vochita, G., Creanga D., On some genotoxic effects of UV-C radiation in root meristemes in <i>Cucurbita pepo</i> L., Rom. Rep. Phys., 71,707, 2019</p> <p>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.</p>

Activitate de predare -cursuri nou introduse la facultatea de fizică	Biofizică moleculară și celulară - (Curs și laborator)- Biotehnologii (Curs și laborator)- Metode fizice în biologie și medicină - (Curs și laborator)- Interacțiunea radiației cu materia vie (Curs, laborator)- Radiobiologie - (Curs și laborator)- Biofizica sistemelor (Curs și laborator)- Bioelectromagnetism (Curs și laborator)- Electrofiziologie moleculară și celulară - (Curs și laborator)- Capitole speciale de bioelectromagnetism - (Curs și laborator)- Poluarea electromagnetică - (Curs și laborator)- Bioelectricitate – Principii fundamentale și aplicații clinice - (Curs și laborator)- Biotoxicologia mediului - (Curs și laborator)- Acțiunea câmpului electromagnetic asupra sistemelor complexe - (Curs și laborator), Neurobiophysics (Curs și laborator)
Titular de disciplină la momentul prezent	RADIOBIOLOGIE- (studii de licență) - Curs și laborator BIOELECTRICITATE- Principii fundamentale și aplicații clinice (masterat profesional) -curs NEUROBIOPHYSICS (masterat de cercetare în limba engleză)-curs

ANEXE

Creanga Dorina _Selecții de articole publicate în reviste de specialitate indexate în sistemul ISI Web of Science

- 1) L. Oprică, M.Andrieș, L. Săcărescu, L. Popescu, D. Pricop, **D. Creangă**, M.Bălășoiu, *Citrate-silver nanoparticles and their impact on some environmental beneficial fungi*, **Saudi J.Biol. Sci.**, 27, 12, 3365-3375, 2020
- 2) Gritco-Todirascu A., **Creanga D.**, Ivan L.M., Dorohoi D.O., Ciubara, A., New Qsar and solvatochromic estimation of molecular parameters of chlortetracycline, **Rev. Chim.**, 71,2, 121-127, 2020.
- 3) 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.
- 4) Babusca, D., Popescu, L., Sacarescu, L., Dorohoi, D.O., **Creanga, D.**, Oprica, L.A., Two phase photochemical synthesis of silver nanoparticles and their impact on the chlorophylls. **Molecular Crystals and Liquid Crystals**, 698, 1, 56-64. 2020.
- 5) Morosanu C., Popescu L., Sacarescu L., Dorohoi D. O., Oprica L.O., **Creanga D.**, Quantum-chemical simulation and experimental study of some magnetic nanoparticles stabilized in fluid suspensions by using organic coating, **Molecular Crystals and Liquid Crystals**, 698, 1, 38-45, 2020.
- 6) Verdes-Teodor, A., Vochita, G., **Creanga D.**, On some genotoxic effects of UV-C radiation in root meristemes in *Cucurbita pepo* L., **Rom. Rep. Phys.**, 71,707, 2019.
- 7) Popescu, L., **Creanga, D.**, Sacarescu, L., Grigoras, M., Lupu, N., Magnetic nanoparticles for methylene blue dye removal from wastewater. **U. Polit. Bucharest Sci. Bull. A**, 81(3), 241-252. 2019.
- 8) L., Oprica, Verdes A., Poroch V., Creanga D., Grigore M.-N.. Effect of different drying techniques on antioxidant capacity of two romanian red grape cultivars. **Iranian Journal of Public Health** 48, 7 1377-1378. 2019.
- 9) Morosanu, A. C., Todirascu, A. G., **Creanga, D. E.**, Dorohoi, D. O., Computational and solvatochromic study of pyridinium-acetyl-benzoyl-methylid (PABM). **Spectrochim. Acta Part A**, 189, 307-315, 2018
- 10)L. Popescu, D. Buzatu, M. Balasoiu C. Stan, B. S. Vasile, L. Sacarescu, D. Creanga, O. Ivankov, D. Soloviov, A.-M. Balasoiu-Gaina, Study on ageing of cobalt ferrite nanoparticles and their fate in the environment, Rom. J. Phys., 64, 9-10, 818, 2019
- 11)Răcuciu, M., **Creangă, D.**, Magnetite/tartaric acid nanosystems for experimental study of bioeffects on zea mays growth, **Rom. J. Phys.** 62, 804, 2017
- 12)Tiriba, G., Balasoiu, M., Puscasu, E., Sacarescu, L., Stan, C., **Creanga, D.E.**, Microstructural characterization of co-doped iron oxide nanoparticles, **U. Polit. Bucharest Sci. Bull. A**, 79(4), 327-336. 2017
- 13)Gritco Todirascu, A., Morosanu, C., Partenie, D., Dorohoi, D., **Creanga, D.**, Quantum mechanical and spectral comparative study of 1-p-nitro-benzoyl-benzoquinolinium methylid and 1-p-nitrobenzoyl-2,3-dicarbomethoxy-pyrrolo-<1,2a>-benzoquinoline, **Rev.Chim.**(Bucharest) 69, 9, 2331-2337, 2018

- 14) **Creanga, D.**, Balasoiu, M., Soloviov, D., Balasoiu-Gaina, A. M., Puscasu, E., Lupu, N., Stan, C. Small-angle neutron scattering investigations of Co-doped iron oxide nanoparticles. Preliminary results. In **J. Phys.: Conference Series**, 994 (1), 012009. IOP Publishing. 2018
- 15) Gritco-Todirascu A., **Creanga D.**, Ivan L., Dorohoi D., Ciubara A. New QSAR and solvatochromic estimation of molecular parameters of chlortetracycline, **Revista de Chimie, Bucharest**, 2018.
- 16) Balasoiu-Gaina, A. M., Balasoiu, M., Ivankov, O., Soloviov, D., Kuklin, A., Lysenko, S., **Creanga, D.**, Structural analysis of aqueous ferrofluids with cobalt ferrite particles stabilized with lauric acid and sodium n-dodecyl sulphate. In **J. Phys. Conference Series** (Vol. 848, No. 1, p. 012026). IOP Publishing. 2017
- 17) 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
- 18) 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
- 19) Cirtoaje, C., Petrescu, E., Stan, C., **Creanga D.**, Ferromagnetic nanoparticles suspensions in twisted nematic, **Physica E**, 79, 38-43, 2016
- 20) Lupusoru, R-V., Pricop, D.A., Andries, M., **Creanga, D.**, Light wavelength influence on surface plasmon resonance in citrate-gold nanosystems, **J. Mol. Struct.**, 1126, 192-199, 2016
- 21) Oanca, G., Stare, J., Gritco Todirascu, A., **Creanga, D.**, Dorohoi D.O., Substituent influence on the spectra of some benzo[f]quinoline derivatives, **J. Mol. Struct.**, 1126, 158-164, 2016
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December 2020

