CREANGA DORINA **ACTIVITATEA DIDACTICA SI PROFESIONALA A1**

tip activitate	categorie	sub categorie	indicatori kip
1.1. Carti si capitole in carti	**1.1.1. Carti/capitole ca autor**	**1.1.1.1 Capitole de carti in edituri internationale** 0.4	
		Application of Fuzzy logic to visual system modeling, autori: ***D. Creangă***¸ Isac, M., Isac, R.M., in Advances in intelligent systems, by F.C. Morabito, IOS Press, 1997, Amsterdam, Olanda, pag. 367-371	0.4
		Some Aspects Regarding Bacteria Sensitivity to Physical Constraints of Magnetic Nature . ***D. Creangă***, S. Dunca, A. Poiata.In Advances in Medicine and Biology, Vol. 16, Chapter 11, pp.287-302. Nova Publishers, 2011	0.4
		Subtotal 1.1.1.1 Capitole de carti in edituri internationale=0.8	**0.8**
		1.1.1.2 Carti/capitole de carti in edituri nationale 0.2	
		Bazele biomagnetismului, ***D. Creangă***, Ed. Univ. Al. I. Cuza Iasi, 125 pag., 2010	0.2
		Elemente de electrofiziologie, ***D. Creangă***, Ed. Cermi, Iaşi, recunoscută CNCSIS, 157 pag., 2003	0.2
		Proprietăţi electrice ale membranelor celulare, Neacşu, I., ***D. Creangă*** . Ed. Univ. Al. I. Cuza-Iaşi, recunoscută CNCSIS 292 pag, 2003	0.2
		Aspecte ale geneticii, ecologiei şi evoluţiei populaţiilor,Ed. Corson-Iaşi, recunoscută CNCSIS -973-8225-17-5, Creangă, I., Surugiu, I., ***D. Creangă,*** Bara, I.I. (160 pag.) 2002	0.2
		Chaos and fractal features in heart electric activity, ***D. Creangă***, in Interdisciplinary applications of fractal and chaos theory, Ed.; R. Dobrescu, C. Vasilescu, Ed. Acad. Rom., Bucureşti, 2004, pag. 274-297	0.2
		Subtotal 1.1.1.2 Carti edituri nationale=1.0	**1.0**

1.1.1.2 Proceedings cu ISBN, cel putin 4 pag./lucrare, cumulat cel putin 25 pag. 0.1	Nr.de pag.
1. Bodale, I., Oprisan, M., Stan, C., Tufescu, F., Racuciu, M., **Creanga, D**., Balasoiu, M., Nanotechnological application based on cofe2o4 nanoparticles and electromagnetic exposure on agrotechnical plant growth, IFMBE Proceedings (3rd International Conference on Nanotechnologies and Biomedical Engineering) Volume 55 of the series pp 153-156, Date: 08 January 2016, **ISBN** 978-981-287-736-9, 4 pag.	**4**
2. Vochita, G ., Oprisan, M., Racuciu, M., **Creanga, D**., Genotoxicity of nanoparticulate zinc ferrite–possible application in plant biotechnology, IFMBE Proceedings (3rd International Conference on Nanotechnologies and Biomedical Engineering) Volume 55 of the series pp 153-156, Date: 08 January 2016, 297-300, **ISBN** 978-981-287-736-9, 4 pag.	**4**
3. Oprica, L., Grigore, M., Verdes, A., **Creanga, D**., Popescu, I.A., Grigorescu, A ., Costin, D., Antioxidant properties evidenced by polyphenols content in two Romanian red grape cultivars in Iasi area, Conference: 2015 E-Health and Bioengineering, Conference (EHB), **ISBN:** 978-1-4799-5849-8, 4 pag.	**4**

4. 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, Proceedings of 10th International Conference Processes in Isotopes and Molecules (PIM 2015), Cluj-Napoca, Romania, 23-25 sept., 2015, 1700 (1), 0600121-0600125, **ISBN**: 978-0-7354-1347-4, 2015, 6 pag.	**6**
5. Puscasu, E., Domocos, A., Leostean, C., Turcu, R., Brinza, F., Nadejde, C., Iacomi, F., **Creanga, D.**, Electrostatic vs steric stabilization of Fe3O4 and Co0. 5Fe2. 5O4 nanoparticles, Proceedings of 10th International Conference Processes in Isotopes and Molecules (PIM 2015), Cluj-Napoca, Romania, 23-25 sept., 2015, 1700 (1), 060013-1-0600135, **ISBN**: 978-0-7354-1347-4, 2015, 6 pag.	**6**
6. Puscasu, E., Nadejde, C., **Creanga, D.,** Fannin, P., Pirghie, C., Stable colloidal suspension of magnetic nanoparticles for applications in life sciences, Proccedings of ICPAM-10, Sept. 22-28, Cluj-Napoca, Romania, 2(6), 3813-3818, 2014, **ISBN**: 2214-7853, 2015, 6 pag.	**6**
7. Vrincianu, D., Puscasu, E., **Creanga, D.**, Stefanescu, C., Computational analysis of kidney scintigrams, Proceedings of TIM 2012,27-30 Noiembrie, 2012, Timisoara, Romania, 1564(1), 223 , 223-228, **ISBN** 978-0-7354-1192, 2013, 6 pag.	**6**
8. Astefanoaei, C., **Creanga, D.E.**, Pretegiani, E., Optican, L.M., Rufa, A., Fourier and wavelet transformation of eye movement temporal series,Proceedings of E-Health and Bioengineering Conference (EHB), 21-23 Noiembrie, 2013, Iasi, Romania, (pp. 1-4). 2013, **ISBN**:9781479940011, 4 pag.	**4**
9. Astefanoaei, C., **Creanga, D.E.**, Pretegiani, E., Optican, L.M., Rufa, A., Shuffled data in the investigation of complex dynamics of the neuromotor saccadic system, Proceedings of E-Health and Bioengineering Conference (EHB), 21-23 Noiembrie, 2013, Iasi, Romania, (pp. 1-4). 2013, 4 pag, **ISBN**:9781479940011, 4 pag.	**4**
10. Focea, R., Nadejde, C., **Creanga, D.**, Luchian, T., Low dose X–ray effects on catalase activity in animal tissue, Proceedings of 17th International School On Condensed Matter Physics – Open Problems in Condensed Matter Physics, Biomedical Physics and their Applications. VARNA, 2-7 septembrie 2012, 398, 012032, **ISBN** 9781622768646, 2012, 6 pag.	**6**
11. Focea, R., Capraru, G., Racuciu, M., **Creanga, D.**, Luchian, T., Aberrant cell divisions in root meristeme of maize following exposure to X-rays low doses compared to similar effects of 50 Hz electromagnetic exposure, Proceedings of EPJ Environmental Radioactivity - The International Conference on Environmental Radioactivity – New Frontiers and Developments, Roma, Italia, 24-28 octombrie 2010, 24, 2406004, **ISBN:** 978-0-7354-0866-1, 2012, 6 pag.	**6**
12. Foca-nici, E.,Capraru, G., **Creanga, D.**, Comparative cytogenetic study on the toxicity of magnetite and zinc ferrite nanoparticles in sunflower root cells, Proceedings of 8th International Conference on the Scientific and Clinical Applications of Magnetic Carriers, Rostock (Germany); 25-29 May 2010, 1311, 345-350, **ISBN**: 978-88-7438-069-5, 2010, 6 pag,	**6**
13. Ursache-Oprisan, M., Foca-nici, E., Cirlescu, A. Caltun, O., **Creanga, D.**, Oleate Coated Magnetic Cores Based on Magnetite, Zn Ferrite and Co Ferrite Nanoparticles—Preparation, Physical Characterization and Biological Impact on Helianhus annus photosynthesis, Proceedings of 8th International Conference on the Scientific and Clinical Applications of Magnetic Carriers, Rostock (Germany); 25-29 May 2010, 1311(1), 425-430, **ISBN** 978-0-7354 -0866-1, 2010, 6 pag.	**6**
14. Nadejde, C., Ciurlica Foca-nici, E., **Creanga, D.**, Carlescu, A., Badescu, V., Magnetite nanoparticles coated with rifampicin and chlortetracycline for drug delivery applications, Proceedings of 8th International Conference on the Scientific and Clinical Applications of Magnetic Carriers, Rostock (Germany); 25-29 May 2010, 1311(1); p. 388-394, 2010, **ISBN** 978 0 7354 0866 -1, 6 pag.	**6**
15. Ciurlica. Foca-nici, E., Nadejde, C., **Creanga, D.E.**, Carlescu, A., Badescu, V., Antibiotic coated magnetite nanoparticles for biological applications, Proceedings of NANOCON 2010, 2ND INT. CONF. 446-450, 2010, **ISBN**:978-80-87294-19-2, 5 pag.	**5**

16. Matei, G., **Creanga, DE.,** Mocanasu, RC., Atomic force microscopy in the study of ferrofluids, Proceedings of SPIE 6036, BioMEMS and Nanotechnology II, 60361U (January 19, 2006); doi:10.1117/12.648967; http://dx.doi.org/10.1117/12.648967 , 60361U-1 - 60361U-7 , **ISBN-**13: 978-0819460677 , 7 pag	**7**
17. Poiata, A., Vlahovici, A**., Creanga, D. E**., Mocanasu, R. C. (2005, December). Fluorescent bacteria for colloidal iron biosensors. In *Micro*, Proc. of SPIE 6036, BioMEMS and Nanotechnology II, 60361V (Jan 19, 2006); 60361V-1-60361V-7, **ISBN**-13: 978-0819460677 , 7 pag.	**7**
18. **Creanga, DE.,** Tupu, P., Electroretinographic signal in insect eye after electromagnetic exposure, Proceedings of the 3rd International Symposium on Image and Signal Processing and Analysis, 2003. ISPA 2003. Print **ISBN:** 953-184-061-X, Vol. 2, pp. 1142-1146). 5 pag.	**5**
19. **Creanga, D.E**., Preliminary study on the temporal parameters in some electroretinographic recordings Print **ISBN**: 0-7803-7503-3, Digital Signal Processing, 2002. DSP 2002. 14th International Conference on.,1153-1156, 2002, 4 pag.	**4**
20. Goiceanu, C., Artenie, A., Avadanei, OG., Artenie, V., **Creanga, DE**., Some evidence of biological effects of ultra high frequency fields in Triticum aestivum, MEDICON 2001: PROC. INT. FED. MED. & BIOL. ENG.,PTS 1& 2: 781-784, 2001, **ISBN**:953-184-023-7, 4 pag.	**4**
21.Axinte, C., Nadejde, Ursache, M., Airinei, A., Cirlescu, A., Racuciu, M., **Creanga, D**., Magnetic Submicron Powder Preparation and Characterization, Materials Science Forum (Volume 672) Researches in Powder Metallurgy Trans Tech Publications, 2011, **ISBN** 978-3-03785-010-7, p. 281-285. DOI 10.4028/www.scientific.net/MSF.672.281, 5 pag.	**5**
22. Motrescu., I., Poiata, A., Nastuta, A., **Creanga, D**., Popa, G. , Pathogen bacteria sterilization in low temperature helium plasma, Proceedings of 7th Int Conf Global Res Ed, Interacademia, 2008, sept, Pecs, Hungary, **ISBN** 978 963428 9638p 202-207, 6 pag	**6**
23. Poiata, A., Focea, R., **Creanga, D.**, Pathogen germs response to low-dose radiation—medical approach, Proceedings of EPJ Environmental Radioactivity - The International Conference on Environmental Radioactivity – New Frontiers and Developments, Roma, Italia, 24-28 octombrie 2010, 24, 06005, **ISBN**: 978-88-7438-069-5, 2012, 7 pag.	**7**
24. Creangă, D. E., Culea, M., Nădejde, C., Oancea, S., Curecheriu, L., Racuciu, M., Magnetic nanoparticle effects on the red blood cells, 2009, Proceedings of NANOSAFE, Int Conf Safe Prod Use Nanomater, 3–7 November 2008, Minatec, Grenoble, France, 170(1), 012019 **ISBN** 17426596, 17426588, 2009, 4 pag.	**4**
25. D.E. Creangă , Gh. Iacob C. Nădejde, Experimental investigation on blood magnetic contamination in the presence of drug molecules, Proceedings of NANOSAFE, Int Conf Safe Prod Use Nanomater, 3–7 Nov 2008, Minatec, Grenoble, France **ISSN** 17426596, 17426588, 6 pag.	**6**
26. Puscasu, E., Andries, M., Nadejde, C., **Creanga, D**., Synthesis of magnetic nanoparticles in stable suspension for biomedical application, Proc. of FTEM (Fizica si tehnologiile Educationale Moderne) 2014 in Revista Stiintifica „V. Adamachi" (ed. de Facultatea de Fizica, Univ. „Alexandru Ioan Cuza" din Iasi), XXIII (1-4), 23-26, 2014, I**SSN** 1221-9363, 6 pag.	**6**
27. Popescu, L., Peptine, B., **Creanga, D**, Mathematical modeling of electronic transitions of drug compounds able to influence central neural system – practical applicative lesson for master students, Proc. of FTEM (Fizica si tehnologiile Educationale Moderne) 2015, Revista Stiintifica „V. Adamachi" (ed. de Facultatea de Fizica, Univ. „Alexandru Ioan Cuza" din Iasi), XXIV (1-4), 24-27, 2015, **ISSN** 1221-9363, 4 pag.	**4**
28. **Creanga, D.E**., Oprisan, M., Nadejde, C., Nica, V., M. Racuciu, Soft magnetic materials in the form of nanosized metal oxides in stable suspension Proc. of Int. Conf. Nanotechnol. Biomed. Eng., IFMBE, 2013, 290-293, **ISBN** 978 9975 62 343 8, 4 pag.	**4**
29. C.T. Mihai, E. Puscasu, L. Sacarescu, C. Nadejde, D. Gherghel**, D. Creanga,** G. Vochita, Colloidal magnetite nanoparticles – cytotoxicity study on V79 lung fibroblast cells, Proc. of TechConnect World 2015 in Tech Connect Briefs, Baltimore, Maryland, USA, 2015, 310-313, **ISBN** 978 -1-4987-4727-1, 4 pag.	**4**

30. L. Oprica, M. Andries, C. Nadejde, **D. Creanga**, Co0.5Fe2.5O4 nanoparticle biological impact – comparative study on environmental cellulolytic fungi, Proc. of TechConnect World 2015 in Tech Connect Briefs, Baltimore, Maryland, USA, 2015, 310-313, **ISBN** 978 -1-4987-4727-1, 4 pag	**4**
31. Creanga, D., Morariu, V.V., White eyed fruitfly electroretinogram is modified by magnetic treatment, Proceedings of the 2nd Int Workshop "Biological Effects of Electromagnetic Fields", Rhodes, Greece, pp. 754-759, 7-11 October, 2002 I**SBN** 960-86733-3-X, 6 pag.	**6**
32. Racuciu M., Miclaus S.,**Creanga D.E**., Non-thermal, continuous and modulated RF field effects on vegetal tissue developed from exposed seeds, Studies in Applied Electromagnetics and Mechanics, vol.29: Electromagnetic Fields, Health and Environment, pp.142-149, **ISBN** 978-1-58603-860-1 , 2008, 7 pag.	**7**
33. M. Tudorie, **D.E.Creanga**, Fractal dimension in metabolic disease, IAFA 2003 – The First South-East European Symposium on Interdisciplinary Approaches in Fractal Analysis , Bucharest, Romania, May 7-10, 2003, pag. 129-133, **ISBN** 973 652 778 6, 5 pag.	**5**
34. Fl.`M. Tufescu, **D.E. Creanga,** Microwave effects upon vegetal cell cultures, Recent Advances in Multidisciplinary Applied Physics, Proceedings of the First International Meeting on Applied Physics **(APHYS-2003) October 13-18th 2003, Badajoz, Spain,** 931-941, **ISBN**: 978-0-08-044648-6, 11 pag.	**11**
35.N.Victor, S. Oancea, E. Guguianu**, D.Creanga**, M. Magdici, On the treatment of honey bees against Paenibacillus larvae var larvae using UV radiation, European Medical and Bioengineering Conference, (EMBEC) Viena, 2002 Proceedings of Second Eur Med & Biol Eng Conf, EMBEC'2002, 4-8 December, 2002, Vienna, Austria, 670-673, **ISBN** 3-901351-62-0, 4 pag.	**4**
36. Oancea, S., Creanga, D., Grosu, I., Fractal Analysis of the natural and induced echinocitosis for two species of mammals, Proc. of Adv Med Bioeng Informat, 17-18 sept., 2009, Constanta, Romania, **ISSN** 2066-7590, pp. 170-173, 4 pag.	**4**
37. Creanga, I., **Creanga, D**., Stan, C., Grosu, I.Bara, I.I., Evidence of non-linear dynamics in forestry ecosystems, Proceedings of **Large Scale Systems; Theory and Applications.** IFAC/IFORS/IMACS/IFIP Symposium, Bucharest, July 18-20, 2001, Informatics and Control Publications, **ISBN** 973-98407-8-7, 351-358 ,8 pag.	**8**
38. D.E.Creanga, Electromagnetic wave influence on fruitfly vision**,** Proceedings of ICCVG'2002, Int Conf Comput Vis Graph 25-29 September, 2002, Zakopane, Poland, pp. 198-203, 2002 **ISBN**: 839176830-9, 6 pag.	**6**
39. Creanga, D., Sprott, J., Creanga, I., Bara, I.I., Smoothing influence on the answers of a simple grassy ecosystem to chaos detection tests, Proceedings of Int Conf Intell Technol Human-Relat Sci –ITHURS ˝96, vol. II, Universidad de Leon (**ISBN** 84-7719-560-9), Spania, 1996, vol.II, 311-315. 1996, 5 pag.	**5**
Subtotal 1.1.1.2. Proceedings 0.844	**211/25=0.844**
Subtotal 1.1.1.2. Carti edituri nationale si Proceedings = 1.0+0.844=1.844	
Subtotal 1.1.=1.1.1.1+1.1.1.2=0.8+1.844=2.644	

1.2 Material	**1.2.1 manuale** 0.2	
didactic/	Introducere in biofizica moleculară şi citotisulară, Isac, M., Topoliceanu, F., ***D. Creangă,*** Edit. Apollonia; Iaşi, 2002; 350 pag.	0.2
	Elemente de radiobiofizică, ***D. Creangă***.; Ed. CERMI; Iasi, 2005; 199 pag.	0.2
	Subtotal 1.2.1.=0.4	**0.4**
	1.2.2.Indrumatoare de laborator 0.2	
	Lucrări de laborator de Radiobiologie, ***D. Creangă,*** Edit. Univ. Al.I.Cuza; Iaşi, 2002; 12 lucrari, 185 pag.	12X0.2=**2.4**
	Lucrări de laborator de Biofizică, ***D. Creangă***.; Edit. Univ. Al.I.Cuza; Iaşi, 2003, 12 lucrari, 235 pag.	12X0.2=**2.4**
	Experimente de fizică generală şi biofizică, Alexandroaie, D., ***D. Creangă***., Delibas, M., Dorohoi, D.O et al.; Edit. Univ. Al.I.Cuza; Iaşi, 2000; 4 lucrari, 24 pag.	4x0.2=**0.8**
	Subtotal 1.2.2.=2.4+2.4+0.8=5.6	**5.6**
	Subtotal 1.2.=1.2.1.+1.2.2.=0.4+5.6=6.0	

1.4. granturi /proiecte	**1.4 Coordonare de programe de studii organizare şi coordonare programe de formare continuă şi proiecte educaționale. Granturi/Proiecte de cercetare în valoare cumulată de peste 100000**	Director. responsabil		0.4
	1. CEEX -*Cercetări cu privire la interacția bio-electromagnetică şi impactul biologic al expunerii umane în câmpuri electromagnetice de radiofrecvență şi microunde*, 2005-2007, 115000 lei	responsabil	Curs mediu 2005 € 3.6234 lei Curs mediu 2006 € :3,5245 lei Curs mediu 2007 €:3,3373 lei **Media 2005-2007** €: **3.4950 lei**	115000/3.5= **32857.14** €
	2. PN II nr. 71046 BIOMAG, *Noi metode şi tehnici biomagnetometrice de înaltă rezoluție pentru investigare şi diagnosticare biomedicală,* 2008-2010 **2008-30000 lei,** 2009-0 lei, 2010-0 lei	responsabil	**Curs mediu 2008** €3,6827 lei	30000/3.687= **8146.197** €
	3.PN II, IDEI 2021/474 *Studierea mecanismelor moleculare şi celulare declanşate prin impactul contaminării magnetice şi expunerii electromagnetice asupra organismelor vii,* 2009- 76681 lei, 2010-100000 lei, 2011-179121 lei	director	Cursul mediu 2009 €: 4,2373 lei Cursul mediu 2010 €: 4.2099 lei Curs mediu 2011 €: 4.2379 lei	76681/4.2373=18097.946 € 100000/4.2099=23758.612 € 179121/4.2379=42266.4527 € Total **84123.01** €

	4. CNCSIS tip A –nr. 1379,2007-2008, *Studiul unor efecte biologice ale fluidelor magnetice biocompatibile,* 2007-40000 lei, 2008-60000 lei	director	Curs mediu 2007 €: 3.3373 lei Curs mediu 2008 €: 3.6827 lei	40000/3.3373 =11985.736 € 60000/ 3.6827=16292.394 € Total **28278.13** €
	5. **FP7 - People IRSES** 269263, CERVISO-Cerebellum in visualspatial orientation, 2009-2015	responsabil	32500 €	**32500 €**
	6.**JINR** (Federatia Rusa-Romania), 2015 tema 57 proiect 04-4-1121-2016 -Metal based nanoparticles and some bioeffects	director	Curs mediu 2015 1$=0.9 € 1500 $	**1350 €**
	7.**JINR** (Federatia Rusa-Romania), 2016 - proiect 04-4-1121, Investigations of Condensed Matter by Modern Neutron Scattering Methods, tema 79-Yielding of magnetic nanoparticles with various chemical composition and study of their bioeffects	director	Curs mediu 2015 1$=0.9 € 1200$	**1170 €**
	8. **JINR** (Federatia Rusa-Romania), 2016 - tema 80 proiect 04-4-1121-2016 Gold nanoparticles in aqueous suspension for applications in environment sciences	director	Curs mediu 2015 $=0.9 €	**1080 €**
	9. Project **B.EN.A** – Balkan Environmetal Association-(Grecia), 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	director	1220 €	**1220 €**
	SUBTOTAL 1.4=0.7629 = (**32857.14+8146.197** **+84123.01+28278.13+32500+1340+1170+1080+1220)x0.4/100000=** **190724 x0.4/100000= *0.7629***		**0.7629**	

ACTIVITATEA DIDACTICA/PROFESIONALA

TOTAL A1=1.1.+1.2+1.4=2.644+6.0+0.76=9.40 puncte conditii minimale 2 puncte

ACTIVITATEA DE CERCETARE A2=I/2+P/1.5

Punctaj realizat **A2=I/2+P/1.5= 6.38/2+9.36/1.5=3.19+6.24 =9.43 puncte**

2.1 Articole in reviste cotate ISI Thomson Reuter si in volume indexate ISI proceedings

$I=\sum a_i/n_i^{ef}$ **Punctaj realizat I=6.38**

Minim I=4.0 pentru Profesor / CS I, indicator kpi I/2

2.2 Articole in reviste cotate ISI Thomson Reuters i n volume indexate ISI proceedings pentru care candidatul este prim-autor sau autor corespondent.

$P=\sum a_i$ **Punctaj realizat P=9.36**

Minim P=3.0 pentru profesor/CS I, indicator kpi P/1.5

2.1. Articole in reviste cotate ISI Thomson Reuter	**a_i**	**n_i**	**n_i^{ef}**	**I**	**P**
1, 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	0.8	5	5.00	0.16	0.00
2, 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	**0.3**	**7**	**5.67**	0.05	**0.30**
3, Cirtoaje, C., Petrescu, E., Stan, C., **Creanga, D**., Ferromagnetic nanoparticles suspensions in twisted nematic, **Physica E,** 79, 38–43, 2016	0.5	4	4.00	0.13	0.00
4, Lupusoru, R.V., Pricop, D. A., Andries, A., **Creanga, D.**, Light wavelength influence on surface plasmon resonance in citrate–gold nanosystems, **J. Mol. Struct.,** 1126, 192-199, 2016	0.3	4	4.00	0.08	0.00
5, Oanca, G., Stare, J., Gritco Todirascu, A., **Creanga, D**., DorohoI, D., Substituent influence on the spectra of some benzo [f] quinoline derivatives, **J. Mol. Struct.,** 1126, 158-164, 2016	**0.3**	**5**	**5.00**	0.06	**0.30**
6, Oanca, G., Nadejde, C., Fifere, N., Gritco Todirascu,A., **Creanga**, D., Dorohoi, D. Stare,J., Solvatochromic study on chlortetracycline in binary and ternary solutions, **J. Mol. Struct.,** 1126, 177-185, 2016	**0.3**	**7**	**5.67**	0.05	**0.30**
7, 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	0.17	7	5.67	0.03	0.00
8, Oanca, G. **Creanga, D**., Nadejde, C., Dorohoi D.O., Universal and specific interactions in caffeine diluted solutions, **Rev. Roum. Chim.,** 60(11-12), 1073-1077, 2015	**0.08**	**4**	**4.00**	0.02	**0.08**
9, Muresan E., Piroi C, **Creanga D**., Stelea L., Oprica L., Sandu I., Glycidyl Esters Used for Multifunctional Finishing of Textile Materials, **Rev. Chim.,** 67(5), 871-875, 2016	0.06	6	5.33	0.01	0.00
10, Popescu, C.M., Hritcu, L., Pricop, D.A, **Creanga, D.**, Morphological changes in gold core–chitosan shell nanostructures at the interface with physiological media. In vitro and in vivo approach, **Appl. Surf. Sci. A,** 352, 103-108, 2015	0.5	4	4.00	0.13	0.00
11, Almásy, L., **Creanga**, D., Nadejde, C., Rosta, L., Pomjakushina,E., Ursache-Oprisan, M., Wet milling versus co-precipitation in magnetite ferrofluid preparation, **J. Serb. Chem. Soc.,** 80(3) , 367–376, 2015	**0.21**	**6**	**5.33**	0.04	**0.21**

12, Racuciu, M., **Creanga D**., Miclaus, S., On the thermal effect induced in tissue samples exposed to extremely low-frequency electromagnetic field, **J. Environ.Health Sci.Technol.,** 12, 85-97, 2015	**0.07**	**3**	**3.00**	0.02	**0.07**
13, Oprica, L., Nadejde, C., Andries, M., Puscasu, E., **Creanga, D**., Balasoiu, M., Magnetic contamination of environment–laboratory simulation of mixed iron oxides impact on microorganism cells, **Environ. Eng. Manag. J.,** 14(3), 581-586, 2015	**0.07**	**6**	**5.33**	0.01	**0.07**
14, Plamadeala, C., Woijeck, A., **Creanga D.,** Micronuclei versus Chromosomal Aberrations Induced by X-Ray in Radiosensitive Mammalian Cells, **Iran. J. Public Health,** 44(3), 325-31, 2015	**0.13**	**3**	**3.00**	0.04	0.00
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Racuciu, M., Creanga, D., Magnetite/tartaric acid nanosystems for experimental study of bioeffects on Zea mays growth, **Rom. J. Phys.,** 62(3-4), 804, 2017	**0.17**	**2**	**2**	**0.09**	**0.00**
I minim 4 pentru profesor **P minim 3 pentru profesor**				**I= 6.38**	**P= 9.36**

ACTIVITATEA DE CERCETARE

A2=I/2+P/1.5= 6.38/2+9.36/1.5=3.19+6.24 =9.43 puncte **conditii minimale 4 puncte**

A3 RECUNOASTEREA SI IMPACTUL ACTIVITATII (citari in publiatii cotate in sistemul ISI) C minim 35, C/17.5 min 2 Realizat:154/17.5=8.8

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65. **PLAMADEALA, C, APARASCHIVEI, A., BARA, I, FOCEA, R., CREANGA, D.,** Comparative cytogenetic analysis of radioprotector effect of two vegetal extracts, **J APPL RES PHYS,** 4(1), 11306, 2013	**$\sum C_i/n_i^{ef}$ =3/5=**	**0.6**
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73. **Răcuciu, M., Miclăuş, S. Creangă, D. E.,** Non-thermal, continuous and modulated rf field effects on vegetal tissue developed from exposed seeds,**Electromagnetic Field, Health and Environment**, IOS Press, Amsterdam, The Netherlands, 29, 142–148, 2008		$\sum C_i/n_i^{ef}$**=1/3=**	**0.33**
	TOTAL C		**154.01**

154.0= C=$\sum C_i/n_i^{ef}$ conditii minimale **35** puncte

A3=C/17.5=154.0/17.5=8.8 puncte conditii minimale **2** puncte

Formula de calcul a indicatorului de merit : A=A1+A2+A3=9.40 +9.43+ 8.91= 27.63 puncte

DOMENIUL DE ACTIVITATE	PUNCTAJ REALIZAT	CONDITII MINIMALE PROFESOR/CS I
ACTIVITATEA DIDACTICA/PROFESIONALA **A1**	**9.40**	**2**
ACTIVITATEA DE CERCETARE **A2**	**9.43**	**4**
RECUNOASTERE SI IMPACTUL ACTIVITATII **A3**	**8.8**	**2**
TOTAL	**27.63**	**8**