Anexa 1

Fișă de autoevaluare generală, în conformitate cu standardele Universității

DESCRIPTORI ACTIVITATEA DE CERCETARE	***PUNCTAJUL ACORDAT***	Punctaj individual
1. Articole ştiinţifice publicate in extenso în reviste cotate Web of Science cu factor de impact	(60 puncte x factor de impact + 25) / număr autori	**2606.226**
2. Articole ştiinţifice publicate in extenso în reviste indexate Web of Science fără factor de impact	20 puncte / număr autori	0
3. Articole ştiinţifice publicate in extenso în reviste indexate BDI	15 puncte / număr autori	0
4. Articole ştiinţifice publicate in extenso în volumele conferinţelor	indexate ISI: 30 puncte / număr autori indexate în BDI: 15 puncte / număr autori alte categorii: 5 puncte / număr autori	0
5. Cărţi ştiinţifice publicate (doar prima ediţie)	edituri academice internaţionale: 100 puncte la 100 pagini / număr autori alte edituri internaţionale: 70 puncte la 100 pagini / număr autori edituri academice naţionale: 50 puncte la 100 pagini / număr autori alte edituri naţionale: 20	**44.99**
6. Cărţi ştiinţifice traduse şi publicate în edituri din străinătate	100 puncte la 100 pagini / număr autori	0
7. Coordonarea şi editarea de volume, traduceri şi antologii	edituri academice internaţionale: 60 puncte / număr autori alte edituri internaţionale: 40 puncte / număr autori edituri academice naţionale: 30 puncte / număr autori alte edituri naţionale:	0
8 . Articole publicate în dicţionare şi enciclopedii	edituri academice internaţionale: 30 puncte / număr autori alte edituri internaţionale: 20 puncte / număr autori edituri academice naţionale: 15 puncte / număr autori alte edituri naţionale: 5 puncte / număr autori	0
9. Contracte de cercetare ştiinţifică în instituţii academice (universităţi, institute ale Academiei Române, institute naţionale de cercetare, institute de cercetare din străinătate, alte categorii de institute academice)	contracte internaţionale – director: 100 puncte pentru fiecare 100.000 Euro contracte internaţionale – membru: 100 puncte pentru fiecare 100.000 Euro / numărul membrilor echipei de cercetare contracte naţionale – director: 50 puncte pentru fiecare 500.000 lei contracte naţionale – membru: 50 puncte pentru fiecare 500.000 lei / numărul membrilor echipei de cercetare	**134.25**
10. Contracte de cercetare în mediul de afaceri şi sectorul public	organizaţii internaţionale: 100 puncte pentru fiecare 100.000 Euro firme multinaţionale: 100 puncte pentru fiecare 100.000 Euro firme naţionale: 50 puncte pentru fiecare 500.000 Euro organizaţii administrative naţionale: 40 puncte pentru fiecare 500.000 Euro alte organizaţii publice de nivel naţional: 30 puncte pentru fiecare 500.000 Euro	0

11. Brevete	internaţionale: 100 puncte / număr de autori naţionale: 30 puncte / număr autori	0
12. Citări şi recenzii ale lucrărilor ştiinţifice	reviste de specialitate din străinătate: (10 + 20 x factor de impact) / număr autori, pentru fiecare citare reviste de specialitate din ţară: (5 + 10 x factor de impact) / număr autori, pentru fiecare citare monografii academice din străinătate: 50 puncte / număr autori, pentru fiecare citare monografii academice din ţară: 25 puncte / număr autori, pentru fiecare citare	**10097.443**
13. Lucrări susţinute în calitate de invitat la manifestări ştiinţifice (conferinţe, congrese, simpozioane, seminarii şi ateliere de lucru)	străinătate: 25 puncte pentru fiecare activitate ţară: 10 puncte pentru fiecare activitate	**20**
14. Profesor/cercetător invitat la universităţi/institute de cercetare	străinătate: 25 puncte pentru fiecare activitate ţară: 10 puncte pentru fiecare activitate	**25**
15. Editor/Membru în Editorial Board & Advisory Board	reviste cotate *Web of Science*: editor, 30 puncte pentru fiecare revistă; membru, 20 puncte pentru fiecare revistă reviste internaţionale şi alte reviste ale Universităţii: editor, 15 puncte pentru fiecare revistă; membru, 10 puncte pentru fiecare revistă	**10**
16. Premii internaţionale obţinute printr-un proces de selecţie	100 puncte / categorie / număr persoane	0
17. Premii ale Academiei Române	50 puncte / categorie / număr persoane	0
18. Alte premii naţionale ale instituţiilor culturale	20 puncte / categorie / număr persoane	0
19. Participări la manifestări ştiinţifice	internaţionale: preşedinte comitet organizare/consiliu ştiinţific, 25 puncte pentru fiecare activitate; membru comitet organizare/consiliu ştiinţific, 15 puncte pentru fiecare activitate; moderator de panel, 15 puncte pentru fiecare activitate; raportor pe secţiuni/paneluri, 10 puncte pentru fiecare activitate naţionale: preşedinte comitet organizare/consiliu ştiinţific, 15 puncte pentru fiecare activitate; membru comitet organizare/consiliu ştiinţific, 5 puncte pentru fiecare activitate; moderator de panel, 5 puncte pentru fiecare activitate; raportor pe secţiuni/paneluri, 2 puncte pentru fiecare activitate	**244.00**
TOTAL I		**13131.909**

DESCRIPTORI ACTIVITATEA DIDACTICA	*PUNCTAJUL ACORDAT*	Punctaj individual
1. Tratate şi manuale universitare	30 puncte la 100 pagini / număr de autori	0
2. Proiecte didactice (înfiinţare/dotare laboratoare licenţă, master, săli workshop, biblioteci proprii facultăţilor, departamentelor, laboratoarelor şi grupurilor de cercetare)	40 puncte pentru fiecare activitate .	**40**
3. Materiale suport curs, seminar, lucrări practice şi programe analitice detaliate	10 puncte pentru fiecare activitate	**40**
4. Organizare de aplicaţii şi practică de specialitate	5 puncte pentru fiecare activitate	0
TOTAL II		**80**

Detalierea punctajelor criteriilor 1.1 și 1.12

[1] He, WQ; Wang, W; Luo, XB; Stoleriu, L; Stancu, A, Lorentz magneto-resonator model and colossal magnetodielectric effect of magnetoelectric heterostructures, SENSOR ACTUAT A-PHYS, vol. 281, pp. 150-155, (2018) 10.1016/J.SNA.2018.08.040

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[3] Stoleriu, L; Nishino, M; Miyashita, S; Stancu, A; Hauser, A; Enachescu, C, Cluster evolution in molecular three-dimensional spin-crossover systems, PHYS REV B, vol. 96(6), art.no. 064115, (2017) 10.1103/PHYSREVB.96.064115

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[3.2] Oubouchou, H; Singh, Y; Boukheddaden, K, Magnetoelastic modeling of core-shell spin-crossover nanocomposites, PHYS REV B, vol. 98(1), art.no. 014106, (2018) 10.1103/PHYSREVB.98.014106

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[3.3] Delgado, T; Enachescu, C; Tissot, A; Guenee, L; Hauser, A; Besnard, C, The influence of the sample dispersion on a solid surface in the thermal spin transition of [Fe(pz)Pt(CN)(4)] nanoparticles, PHYS CHEM CHEM PHYS, vol. 20(18), pp. 12493-12502, , (2018) 10.1039/C8CP00775F

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[3.4] Ridier, K; Molnaar, G; Salmon, L; Nicolazzi, W; Bousseksou, A, Hysteresis, nucleation and growth phenomena in spin-crossover solids, SOLID STATE SCI, vol. 74, pp. A1-A22, , (2017) 10.1016/J.SOLIDSTATESCIENCES.2017.10.014

IF CITARE: 1.861

autori=6 IF=3.813 UAIC I.1(ISI)=42.297 nr.citari=4 UAIC I.12 (Citari)=86.457

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[4] Enachescu, C; Stoleriu, L; Nishino, M; Miyashita, S; Stancu, A; Lorenc, M; Bertoni, R; Cailleau, H; Collet, E, Theoretical approach for elastically driven cooperative switching of spin-crossover compounds impacted by an ultrashort laser pulse, PHYS REV B, vol. 95(22), art.no. 224107, (2017) 10.1103/PHYSREVB.95.224107

[4.1] Ridier, K; Molnaar, G; Salmon, L; Nicolazzi, W; Bousseksou, A, Hysteresis, nucleation and growth phenomena in spin-crossover solids, SOLID STATE SCI, vol. 74, pp. A1-A22, , (2017) 10.1016/J.SOLIDSTATESCIENCES.2017.10.014

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[4.2] Parpiiev, T; Servol, M; Lorenc, M; Chaban, I; Lefort, R; Collet, E; Cailleau, H; Ruello, P; Daro, N; Chastanet, G; Pezeril, T, Ultrafast non-thermal laser excitation of gigahertz longitudinal and shear acoustic waves in spin-crossover molecular crystals [Fe(PM-AzA)(2)(NCS)(2)], APPL PHYS LETT, vol. 111(15), art.no. 151901, (2017) 10.1063/1.4996538

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autori=9 IF=3.813 UAIC I.1(ISI)=28.198 nr.citari=2 UAIC I.12 (Citari)=14.124

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[5.1] Collet, E; Cammarata, M, Disentangling Ultrafast Electronic and Structural Dynamics with X-Ray Lasers, CHEM-EUR J, vol. 24(59), pp. 15696-15705, , (2018) 10.1002/CHEM.201802105

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[5.2] Nishino, M; Rikvold, PA; Omand, C; Miyashita, S, Multistability in an unusual phase diagram induced by the competition between antiferromagnetic-like short-range and ferromagnetic-like long-range interactions, PHYS REV B, vol. 98(14), art.no. 144402, (2018) 10.1103/PHYSREVB.98.144402

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[5.3] Djemel, A; Stefanczyk, O; Marchivie, M; Trzop, E; Collet, E; Desplanches, C; Delimi, R; Chastanet, G, Solvatomorphism-Induced 45 K Hysteresis Width in a Spin-Crossover Mononuclear Compound, CHEM-EUR J, vol. 24(55), pp. 14760-14767, , (2018) 10.1002/CHEM.201802572

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[5.5] Li, JJ; Sun, K; Li, J; Meng, QP; Fu, XW; Yin, WG; Lu, DY; Li, Y; Babzien, M; Fedurin, M; Swinson, C; Malone, R; Palmer, M; Mathurin, L; Mason, R; Chen, JY; Konik, RM; Cava, RJ; Zhu, YM; Tao, J, Probing the pathway of an ultrafast structural phase transition to illuminate the transition mechanism in Cu2S, APPL PHYS LETT, vol. 113(4), art.no. 041904, (2018) 10.1063/1.5032132

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[5.6] Laisney, J; Shepherd, HJ; Rechignat, L; Molnar, G; Riviere, E; Boillot, ML, Pressure-induced switching properties of the iron(III) spin-transition complex [Fe-III(3-OMeSalEen)(2)]PF6, PHYS CHEM CHEM PHYS, vol. 20(23), pp. 15951-15959, , (2018) 10.1039/C8CP02376J

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[5.8] Zerdane, S; Collet, E; Dong, X; Matar, SF; Wang, HF; Desplanches, C; Chastanet, G; Chollet, M; Glownia, JM; Lemke, HT; Lorenc, M; Cammarata, M, Electronic and Structural Dynamics During the Switching of the Photomagnetic Complex [Fe(L222N5)(CN)(2)], CHEM-EUR J, vol. 24(20), pp. 5064-5069, , (2018) 10.1002/CHEM.201704746

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[5.14] Feist, A; da Silva, NR; Liang, WX; Ropers, C; Schafer, S, Nanoscale diffractive probing of strain dynamics in ultrafast transmission electron microscopy, STRUCT DYNAM-US, vol. 5(1), art.no. 014302, (2018) 10.1063/1.5009822

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[5.15] Ridier, K; Molnaar, G; Salmon, L; Nicolazzi, W; Bousseksou, A, Hysteresis, nucleation and growth phenomena in spin-crossover solids, SOLID STATE SCI, vol. 74, pp. A1-A22, , (2017) 10.1016/J.SOLIDSTATESCIENCES.2017.10.014

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[5.16] Lasco, O; Boillot, ML; Bellec, A; Guillot, R; Riviere, E; Mazerat, S; Nowak, S; Morineau, D; Brosseau, A; Miserque, F; Repain, V; Mallah, T, The disentangling of hysteretic spin transition, polymorphism and metastability in bistable thin films formed by sublimation of bis(scorpionate) Fe(II) molecules, J MATER CHEM C, vol. 5(42), pp. 11067-11075, , (2017) 10.1039/C7TC03276E

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[5.17] Mortel, M; Witt, A; Heinemann, FW; Bochmann, S; Bachmann, J; Khusniyarov, MM, Synthesis, Characterization, and Properties of Iron(II) Spin-Crossover Molecular Photoswitches Functioning at Room Temperature, INORG CHEM, vol. 56(21), pp. 13174-13186, , (2017) 10.1021/ACS.INORGCHEM.7B01952

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[5.18] Nishino, M; Miyashita, S; Rikvold, PA, Nontrivial phase diagram for an elastic interaction model of spin crossover materials with antiferromagnetic-like short-range interactions, PHYS REV B, vol. 96(14), art.no. 144425, (2017) 10.1103/PHYSREVB.96.144425

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[5.19] Magott, M; Stefanczyk, O; Sieklucka, B; Pinkowicz, D, Octacyanidotungstate(IV) Coordination Chains Demonstrate a Light-Induced Excited Spin State Trapping Behavior and Magnetic Exchange Photoswitching, ANGEW CHEM INT EDIT, vol. 56(43), pp. 13283-13287, , (2017) 10.1002/ANIE.201703934

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[5.22] Tumanov, SV; Veber, SL; Tolstikov, SE; Artiukhova, NA; Romanenko, GV; Ovcharenko, VI; Fedin, MV, Light-Induced Spin State Switching and Relaxation in Spin Pairs of Copper(II)-Nitroxide Based Molecular Magnets, INORG CHEM, vol. 56(19), pp. 11729-11737, , (2017) 10.1021/ACS.INORGCHEM.7B01689

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[5.25] Chergui, M; Collet, E, Photoinduced Structural Dynamics of Molecular Systems Mapped by Time-Resolved X-ray Methods, CHEM REV, vol. 117(16), pp. 11025-11065, , (2017) 10.1021/ACS.CHEMREV.6B00831

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[5.26] Mariette, C; Trzop, E; Zerdane, S; Fertey, P; Zhang, DP; Valverde-Munoz, FJ; Real, JA; Collet, E, Formation of local spin-state concentration waves during the relaxation from a photoinduced state in a spin-crossover polymer, ACTA CRYSTALLOGR B, vol. 73, pp. 660-668, , (2017) 10.1107/S2052520617007685

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[5.29] Zerdane, S; Wilbraham, L; Cammarata, M; Iasco, O; Riviere, E; Boillot, ML; Ciofini, I; Collet, E, Comparison of structural dynamics and coherence of d-d and MLCT light-induced spin state trapping, CHEM SCI, vol. 8(7), pp. 4978-4986, , (2017) 10.1039/C6SC05624E

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autori=3 IF=0.000 UAIC I.1(ISI)=8.333 nr.citari=0 UAIC I.12 (Citari)=0.000

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T O T A L

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UAIC I.1 (ISI) = 2606.226 UAIC I.12 (Citari) = 10097.443

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IMPACT FACTOR TOTAL (TOTI ANII) = 34.892

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1.5

- A. Stancu, L. Stoleriu, M. Cerchez, D. Cimpoesu, P. Postolache, R. Tanasa, 2005, ”The Preisach Model for Patterned Media” in Preisach memorial book, pp. 143-153, Editura Academiei Ungare, Budapesta, ISBN: 963-05-8264-3 **11/6 = 1.83**

- A. Stancu, L. Stoleriu, 2007, ”Preisach modeling and FORC characterization for hysteretic phenomena in ferroics” in New Developments in Advanced Functional Ceramics, pp. 267-292, Editura Transworld Research Network, India, ISBN: 81-7895-248-3 **25/2 = 12.5**

- L. Stoleriu, Al. Stancu, „Modelarea şi simularea proceselor fizice”, 174 pag., Ed. TEHNOPRESS, Iaşi, 2007 **20*1.74/2 = 17.4**

- A. Stancu, L. Stoleriu, M. Cerchez, ”Tehnologia Învățământului la Distanță” (vol.1), Editura Universității Alexandru Ioan Cuza din Iași, 130 pag, ISSN: 1221-9363 **20*1.3/3=8.66**

- T. Mateescu, A. Stancu, N. Cerchez, L. Stoleriu, M. Cerchez, ”Tehnologia Învățământului la Distanță” (vol.2), Editura Universității Alexandru Ioan Cuza din Iași, 115 pag, ISSN: 1221-9363 **20*1.15/5 = 4.6**

Total 1.3 = 62.39 puncte

1.9

CONTRACTE NATIONALE CA DIRECTOR			
	Contractul	SUMA LEI	punctaj
1	ANCS-CEEX-ET 2005-2007	130000	**13.00**
2	CNCSIS-AT 162/2007	100000	**10.00**
3	CNCS-TE 2012-2014	750000	**75.00**

CONTRACTE INTERNATIONALE CA MEMBRU ECHIPA				
	Contractul	NUMAR MEMBRI ECHIPA	SUMA euro	punctaj
1	Molecular Approach to Nanomagnets and Multifunctional Materials MAGMANet (2005-2009). Network of Excellence – FP6 Valoarea totala: 145.000 EURO Responsabil proiect: prof.dr. Alexandru Stancu	4	145000	**145/4 = 36.25**

Total criteriu 1.9: 134.25 puncte

1.13

Lucrari invitate			
Lucrare	Conferinta	An	oral
Laurentiu Stoleriu, Alexandru Stancu and Cristian Enachescu *Modeling spin crossover compounds – from quasistatic hysteresis to femtosecond elastic response*	TIM 15-16 Physics Conference	2016	**10**
Laurentiu Stoleriu, Alexandru Stancu and Cristian Enachescu *Modeling Spin Crossover Compounds – from Quasistatic Hysteresis to Femtosecond Elastic Response*	CNFA 2016	2016	**10**

Total criteriu 1.13: 20 puncte

1.14

Profesor invitat la Washington and Lee University, Lexington Virginia, SUA (o saptamana, 2018): **25**

Total criteriu 1.14: 25 puncte

1.15

Membru al Editorial Board – Journal of Advanced Research in Physics: **10**

Total criteriu 1.15: 10 puncte

1.19

Lucrări prezentate la conferințe științifice (dovedite cu ordin de deplasare/ program/ certificat de participare)			
Conferinta	An	moderator/oganizare	oral/poster
ADSPEC Pro, Romania	2012		**10**
MOLMAT, Spania	2012		**10**
MurPhys, Romania	2012		**2**
COST-ROMSC, Romania	2012	**5**	**2**
INTERMAG, Canada	2012	**15**	**10**
HMM, Italia	2013		**10**
LAW3M, Argentina	2013		**10**
Joint MMM-Intermag, SUA	2013		**10**
MMM, SUA	2013	**15**	**10**
MMM, SUA	2014		**10**
COST Meeting, Spania	2014		**10**
FORC Workshop, SUA	2015		**10**
HMM, Romania	2015	**15**	**10**

COST Meeting, Serbia	2015		**10**
AIM, Italia	2016		**10**
COST Meeting, Cehia	2016		**10**
COST Meeting, Polonia	2016		**10**
MMM, SUA	2016		**10**
COST Meeting, Portugalia	2017		**10**
AIM, Italia	2018		**10**
Ultrafast Control of Materials, Franta	2018		**10**

Total criteriu 1.19: 244 de puncte

2.2

Coordonarea proiectului didactic PHI – Concurs și Tabără de Vară, anual, 2005-2018: **40**

Total criteriu 2.2: 40 de puncte

2.3

Materiale suport curs *Limbaje de Programare* (online la adresa stoner.phys.uaic.ro/moodle): **10**
Materiale suport laborator *Limbaje de Programare* (online la adresa stoner.phys.uaic.ro/moodle): **10**
Materiale suport curs *Modeling of Physical Processes* (online la adresa stoner.phys.uaic.ro/moodle): **10**
Materiale suport laborator *Modeling of Physical Processes* (online la adresa stoner.phys.uaic.ro/moodle): **10**

Total criteriu 2.3: 40 de puncte