Fișa de evaluare CNATDCU

Conf. univ. dr. Octavian Mădălin Bunoiu

întreaga activitate, 2000-2025

https://www.webofscience.com/wos/author/record/504224

1. Activitatea didactică și profesională

A1 - Cărți în edituri internaționale recunoscute *Web of Science* **în calitate de autor**

Nr. crt.	**Titlul**	Autori	Editura, an, link (dacă este cazul)	Punctaj $4/n_i^{ef}$
Punctaj total indicator **A1**				**0**

Editurile recunoscute Web of Science se găsesc pe site-ul Web of Science – Master Book List- Publishers (http://wokinfo.com/mbl/publishers/)

Se acordă $4/n_i^{ef}$ *puncte pentru fiecare carte .*

Documente justificative: Copie în format hard, în format electronic sau link pe pagina web a editurii.

A2 - Capitole de cărți în edituri internaționale recunoscute *Web of Science*, **în calitate de autor/ Review-uri în reviste cotate ISI**

Nr. crt.	**Titlul capitolului - titlul cărții / titlul Review-ului**	Autori	Editura, an / revista, an, pagini, link (dacă este cazul)	Punctaj $1/n_i^{ef}$
1.	Dielectrophoresis Used for Nanoparticle Manipulation in Microfluidic Devices / Nanoparticles' Promises and Risks- Characterization, Manipulation, and Potential Hazards to Humanity and the Environment	Lungu M., Bunoiu M., Neculae A.,	*Springer International Publishing, 2014, pp. 271-301* *https://link.springer.com/chapter/10.1007/978-3-319-11728-7_14*	0.333
2.	Higher Education Institutions Towards Digital Transformation—The WUT Case	Grosseck G., Malița L., Bunoiu M.	*Springer, 2020, pp. 565-581* *https://link.springer.com/chapter/10.1007/978-3-030-56316-5_35*	0.333
Punctaj total indicator **A2**				**0.666**

Editurile recunoscute Web of Science se găsesc pe site-ul Web of Science – Master Book List- Publishers (http://wokinfo.com/mbl/publishers/)

Se acordă $1/n_i^{ef}$ *puncte pentru fiecare item.*

Documente justificative: Copie în format hard, în format electronic sau link pe pagina web a editurii / revistei.

A3 - Cărți în edituri internaționale recunoscute *Web of Science* **în calitate de editor**

Nr. crt.	**Titlul**	Editori	Editura, an, link (dacă este cazul)	Punctaj $0.5/n_i^{ef}$
1.	Nanoparticles' Promises and Risks- Characterization, Manipulation, and Potential Hazards to Humanity and the Environment	Lungu M., Neculae A., Bunoiu, M., Biris C.	*Springer International Publishing, 2014* https://link.springer.com/book/10.1007/978-3-319-11728-7	0.125
Punctaj total indicator **A3**				**0.125**

Editurile recunoscute Web of Science se găsesc pe site-ul Web of Science – Master Book List- Publishers (http://wokinfo.com/mbl/publishers/)

Se acordă $0.5/n_i^{ef}$ *puncte pentru fiecare item.*

Documente justificative: Copie în format hard, în format electronic sau link pe pagina web a editurii .

A4 - Cărți, manuale, îndrumătoare de laborator în edituri naționale sau alte edituri internaționale ca autor, note interne, prezentari sustinute pentru aprobarea analizelor de date in cadrul colaborarilor mari

Nr. crt.	**Titlul**	Autori	Editura, an, link (dacă este cazul)	Punctaj $0.5/n_i^{ef}$
1.	Fizică Moleculară și Căldură- Lucrări de laborator (ISBN: 978-973-125-320-6)	Susan-Resiga D., Isvoran A., Bunoiu M.	Editura Universității de Vest, Timișoara, 2008 https://search.worldcat.org/title/895379829	0.166
2.	Metode de obținere și caracterizare a cristalelor, Editura Universității de Vest, Timișoara, 2008 (ISBN: 978-973-125-191-2)	Bunoiu, O.M.	Editura Universității de Vest, Timișoara, 2008 https://search.worldcat.org/title/895407214	0.5
3.	Influența condițiilor termodinamice și hidrodinamice asupra prezenței și distribuției bulelor de gaz în cristalele profilate de safir (ISBN: 978-973-125-190-5)	Bunoiu, O.M.	Editura Universității de Vest, Timișoara, 2008 https://search.worldcat.org/title/895407502	0.5
4.	Elements of Materials Technology in DC Plasma (ISBN: 978-5-94836-485-8)	Bica I, Balasoiu M., Bunoiu M.	Technosphera, Moscow, 2017 https://www.technosphera.ru/lib/book/512	0.166
Punctaj total indicator **A4**				**1.332**

Se acordă $0.5/n_i^{ef}$ *puncte pentru fiecare item.*

Documente justificative: Copie în format hard, în format electronic sau link pe pagina web a editurii .

A5 - Capitole de cărți în edituri naționale sau alte edituri internaționale ca autor

Nr. crt.	**Titlul capitolului - titlul cărții**	Autori	Editura, an, link (dacă este cazul)	Punctaj $0.2/n_i^{ef}$
1.	Applications – The Fundamentals and Challanges of Oxide Materials (ISBN: 1-5275-9166-2 / ISBN: 1-0364-2327-1)	Marin C.N., Lungu M., Bunoiu M., Malaescu I.	Cambridge Scholars Publishing, 2023 https://www.cambridgescholars.com/product/978-1-5275-9166-0	0.05
Punctaj total indicator **A5**				**0.05**

Se acordă $0.2/n_i^{ef}$ *puncte pentru fiecare item.*

Documente justificative: Copie în format hard, în format electronic sau link pe pagina web a editurii .

A6 - Lucrări în extenso (cel puțin 3 pagini) publicate în Proceedings-uri cu ISBN indexate ISI

Nr. crt.	**Titlul**	Autori	Revista, editura, an, link (dacă este cazul)	Punctaj $0.2/n_i^{ef}$
1.	Segregation coefficient of Pb2+ ions in CaF2 Crystals	Stef M., Bunoiu O., Paraschiva M., Pruna A., Nicoara I.	*AIP Conference Proceedings, Vol. 1131, 112-116, 2009* https://doi.org/10.1063/1.3153429	0.04
2.	Some considerations on the dynamics of nanometric suspensions in fluid media	Lungu M., Neculae A., Bunoiu M.	*AIP Conference Proceedings, Vol. 1131, 164-168, 2009* https://doi.org/10.1063/1.3153440	0.066
3.	Numerical simulation of bioparticle manipulation using dielectrophoresis	Neculae A., Bunoiu O.M., Lungu M.	*AIP Conference Proceedings, Vol. 1262, 144-149, 2010* https://doi.org/10.1063/1.3482222	0.066
4.	Interface shape studies in Bridgman growth of multicrystalline silicon	Bunoiu O., Stef M., Popescu A., Vizman D.	*AIP Conference Proceedings, Vol. 1387, 226-231, 2011* https://doi.org/10.1063/1.3647079	0.05
5.	Numerical study regarding the influence of electrodes' geometry on the dielectrophoretic forces	Neculae A., Lungu M., Nicolici-Schultz T., Bunoiu M.	*AIP Conference Proceedings, Vol. 1387, 270-275, 2011* https://doi.org/10.1063/1.3647086	0.05
6.	Electrohydrodynamic modeling for manipulation of micro/nano particles in microfluidic systems	Neculae A., Lungu M., Bunoiu M., Giugiulan R.	*AIP Conference Proceedings, Vol. 1472, 155-161, 2012* https://doi.org/10.1063/1.4748083	0.05
7.	Influence of growth rate on interface shape and grains structure in multicrystalline silicon growth by Bridgman method	Pupăzan V., Popescu A., Bunoiu O.M., Vizman D.	*AIP Conference Proceedings, Vol. 1472, 210-214, 2012* https://doi.org/10.1063/1.4748090	0.05
8.	Submicron particle trapping using traveling wave dielectrophoresis	Lungu M., Giugiulan R., Bunoiu M., Strambeanu M., Neculae A	*AIP Conference Proceedings, Vol. 1564, 111-116, 2013* https://doi.org/10.1063/1.4832804	0.04
9.	Study of a 3D DEP-based Microfluidic System for Selective Nanoparticle Manipulation	Lungu M., Balasiu S., Bunoiu M.O., Neculae A.	*AIP Conference Proceedings, Vol. 1634, 89-94, 2014* https://doi.org/10.1063/1.4903019	0.05
10.	Segregation coefficient of Yb3+ and Yb2+ Ions in YbF3 Doped BaF2 Crystals	Nicoara I., Buse G., Bunoiu M.	*AIP Conference Proceedings, Vol. 1634, 111-114, 2014* https://doi.org/10.1063/1.4903023	0.066
11.	Nanoparticles trapping from flue gas using dielectrophoresis	Neculae A., Strambeanu M., Lungu A., Bunoiu M., Lungu M.	*AIP Conference Proceedings, Vol. 1694, 040004, 2015* https://doi.org/10.1063/1.4937256	0.04
12.	Promoting an English and Science Summer Programme through Social Media	Craciun D., Oprescu M., Bunoiu M.	*SMART 2014 - Social Media in Academia: Research and Teaching, 119-123, 2015*	0.066
13.	Why Blended Learning Models in Romanian Science Education?	Craciun D., Bunoiu M.	*Rethinking Education by Leveraging the Elearning Pillar of the Digital Agenda for Europe! vol. III of Book*	0.1

			Series: Learning and Software for Education, 460-468, 2015 *https://doi.org/10.12753/2066-026X-15-251*	
14.	Training Teachers for the Knowledge Society: Social Media in Science Education	Craciun D., Bunoiu M.	*Brain-Broad Research in Artificial Intelligence and Neuroscience, vol. 6, 82-83, 2015* *https://brain.edusoft.ro/index.php/brain/article/view/521*	0.1
15.	Digital Storytelling as a Creative Teaching Method in Romanian Science Education	Craciun D., Craciun P., Bunoiu M.	*AIP Conference Proceedings, 1722, 310001, 2016* *https://doi.org/10.1063/1.4944311*	0.066
16.	Augmented Reality in Romanian Science Education – Pros and Cons	Craciun D., Bunoiu M.	*The International Scientific Conference eLearning and Software for Education 3: 193-199. Bucharest: "Carol I" National Defence University, 2016* *https://doi.org/10.12753/2066-026X-16-205*	0.1
17.	Hybrid Magnetorheological Elastomers: Effects of the magnetic field on some electrical properties	Bălășoiu M., Bunoiu M., Chirigiu L., Chirigiu L.M.E., Pascu G., Bica I.	AIP Conference Proceedings, 1916, 040007, 2017 *https://doi.org/10.1063/1.5017446*	0.036
18.	Boosting physics education through mobile augmented reality	Crăciun D., Bunoiu M.	AIP Conference Proceedings, 1916, 050003, 2017 *https://doi.org/10.1063/1.5017456*	0.1
19.	Silicone rubber based magnetorheological elastomer: magnetic structure tested by means of neutron depolarization and magnetic force microscopy methods	Balasoiu M., Kozhevnikov S.V., Nikitenko Yu. V., Iacobescu G.E., Bunoiu M., Bica I.	Journal of Physics: Conference Series, Vol. 848, 012016, 2017 *https://doi.org/10.1088/1742-6596/848/1/012016*	0.036
20.	A study case for the accreditation of doctoral studies. Preliminary approaches	Cojocaru D., Petrescu I., Bunoiu M., Gogu E., Stanciu S., Tanasie A.	EDULEARN Proceedings, 3146-3154, 2018 *https://doi.org/10.21125/edulearn.2018.0832*	0.036
21.	Teacher Training in the Context of Open Science and Science Education	Craciun D., Bunoiu M.	Elearning Challenges and New Horizons, Vol. 4, Book Series: eLearning and Software for Education, pp. 319-326, 2018 *https://doi.org/10.12753/2066-026X-18-259*	0.1
22.	Learning Science outside the Classroom: A Summer School Experience	Craciun D., Bunoiu M.	AIP Conference Proceedings, 2071, 050002, 2019 *https://doi.org/10.1063/1.5090086*	0.1
23.	"Digital Storytelling" in Teaching: Lessons Learned at WUT	Grosseck G., Craciun D., Bunoiu M.	New Technologies and Redesigning Learning Spaces, Vol.II, Book Series: eLearning and Software for Education, pp. 313-322, 2019 *https://doi.org/10.12753/2066-026X-19-114*	0.066

24.	Digital Comics, a Visual Method for Reinvigorating Romanian Science Education	Craciun D., Bunoiu M.	Revista Românească pentru Educație Multidimensională, Vol. 11, No. 4, pp. 321-341, 2019 https://doi.org/10.18662/rem/172	0.1
25.	Magneto-Optical Transmittance Observed in Magnetorheological Suspensions Films	Anitas E., Bica I., Bunoiu M., Malaescu I., Marin C.N., Ercuta A., Balasoiu M., Lungu M., Pascu G.	AIP Conference Proceedings, 2218, 030016, 2020 https://doi.org/10.1063/5.0002485	0.025
26.	Game-Based Storytelling in Non-Formal Romanian Science Education	Craciun D., Grosseck G., Bunoiu M.	AIP Conference Proceedings, 2218, 060009, 2020 https://doi.org/10.1063/5.0005845	0.066
Punctaj total indicator **A6**				**1.665**

Se acordă $0.2/n_i^{ef}$ *puncte pentru fiecare item.*

Documente justificative: Copie în format hard, în format electronic sau link pe pagina web a editurii .

A7 - Brevete de invenție internaționale acordate

Nr. crt.	**Titlul**	Autori	Autoritatea care a acordat brevetul link (dacă este cazul)	Punctaj $3/n_i^{ef}$
Punctaj total indicator **A7**				**0**

Se acordă $3/n_i^{ef}$ *puncte pentru fiecare item.*

Documente justificative: Copie în format hard, în format electronic sau link pe pagina autorității care a acordat brevetul .

A8 - Brevete de invenție naționale acordate

Nr. crt.	**Titlul**	Autori	Autoritatea care a acordat brevetul link (dacă este cazul)	Punctaj $0.5/n_i^{ef}$
1.	Dispozitive pasive de circuit electric pe bază de suspensii magnetoreologice hibride	Bica I., Mălăescu I., Bunoiu M., Pascu G.	*OSIM, 2021, publicat în RO-BOPI 9/2021, p.44* https://osim.ro/wp-content/uploads/Publicatii-OSIM/BOPI-Inventii/2021/bopi_inv_09_2021.pdf	0.125
Punctaj total indicator **A8**				**0.125**

Se acordă $0.5/n_i^{ef}$ *puncte pentru fiecare item.*

Documente justificative: Copie în format hard, în format electronic sau link pe pagina autorității care a acordat brevetul .

A9 - Director/ responsabil/ coordonator pentru programe de studii, programe de formare continuă, proiecte educaționale și proiecte de infrastructură (proiectele de cercetare se exclud)

Nr. crt.	**Titlul proiectului sau programului**	Calitatea (director sau responsabil)	Autoritatea contractantă, instituția, link	Punctaj

			(după cum este cazul)	
1.	**Depozit complex de date moleculare pentru protecția mediului, HURO0901/037/2.2.2**	Manager financiar	HURO	0.5
2.	**ICAM – Institutul de Cercetări Avansate de Mediu (Institute of Advanced Environmental Research)** POSCCE- 2-2.2.1	Manager („manager adjunct proiect"), Responsabil științific	POSCCE	0.5
3.	**Noaptea Cercetătorilor în România 2013. Știința: Marea Evadare (Researchers Night in Romania 2013. Science: the Great Escape)** Proiect de tip FP7, Nr. 609771 din 08.05.2013, instituție coordonatoare: Universitatea din Iași „Alexandru Ioan Cuza"; partener: Universitatea de Vest din Timișoara	Responsabil de Proiect	FP7	0.5
4.	**Noaptea cercetătorilor în România. Vorbiți limba științei? (Researchers night in Romania. Do you speak science?)** Proiect tip Horizon 2020, instituție coordonatoare: Universitatea din Iași „Alexandru Ioan Cuza"; partener: Universitatea de Vest din Timișoara: West University of Timișoara	Responsabil de Proiect	H2020	0.5
5.	**Investigarea materialelor inteligente prin intermediul împrăștierii cu neutroni (Intelligent materials investigation by neutron scattering method - Physics school for undergraduate, MSci and PhD students from the physics faculty, West University of Timișoara)** Colaborare JINR-Romania, Proiect Nr. 49 / tema 04-4-1121-2015/2017	Responsabil de Proiect	JINR / IUCN	0.5
6.	**Școală de fizică pentru studenți de licență, master și doctorat. Investigări asupra materialelorinteligente prin metode de împrăștiere cu neutroni (Physics school for undergraduate, Msci and Phd students. Intelligent materials investigation by neutron scattering method)** Colaborare JINR-Romania, Proiect Nr. 68 / tema 04-4-1069-2009/2014	Responsabil de Proiect	JINR / IUCN	0.5
7.	**Dezvoltarea bazei de cercetare aplicativă, de cercetare și creație artistică Poiana Mărului pentru studenții UVT** MARUVT	Director de Proiect	FDI	0.5
8.	**SAPM – Studenții de azi, Profesioniștii de Mâine (Today's Students, Tomorrow's Professionals),** 2014-2015, Proiect POSDRU 160/2.1/S/137280	Manager	POSDRU	0.5
9.	**Universitaria – școală didactică universitară și cercetare științifică avasată** POSDRU/157/1.3/S/135590 Director proiect: Marian Ilie	Responsabil („responsabil eveniment sc.bune practici")	POSDRU	0.5
10.	**Începe o carieră de success!** POSDRU/157/1.3/S/135590 Director proiect: Marian Ilie	Coordonator („expert coordonator activități grup țintă")	POSDRU	0.5
11.	**Studiu privind calitatea factorilor de mediu în comuna Zăvoi (intravilan și extravilan), al cărei teritoriu administrativ are parțial inclus situl ROSCI0126 Munții Țarcu și situl ROSCI01217 Retezat suprapus cu aria de protecție specială avifaunistică ROSPA0084 Munții Retezat, ca prim pas**	Membru în echipa de management	Surse private	0.5

	înspre planificarea unei dezvoltări sustinute a comunei, care să integreze pe lângă aspectele economice și sociale, și aspectele privind protecția mediului Contract finanțare nr. 29100/29.11.2016 Director proiect: Nicoleta Ianovici			
12.	**Susținerea și Motivarea Antreprenorilor Responsabili și Talentați- SMART Start Up** POCU/82/3/7105482 Manager proiect: Vlad Petcu	Manager („asistent manager")	POCU	0.5
13.	**Împreună universități și angajatori. Un sistem integrat de programe educaționale inovative** POCU/320/6/21/121030 Manager proiect: Marian Ilie	Coordonator („coordonator formare cursanți", „coordonator formare personal didactic")	POCU	0.5
14.	**Start în carieră prin master didactic** POCU/864/6/21/140783 Director proiect: Marian Ilie	Coordonator („coordonator organizare și furnizare MD")	POCU	0.5
15.	Grant agreement 101004082 — UNITA EAC-A02-2019 / EAC-A02-2019-1	Responsabil („responsabil proces/teaching and learning")	ERASMUS	0.5
16.	Grant agreement 101124853 - UNITA - ERASMUS-EDU-2023-EUR-UNIV	Coordonator („coordonator task developing communities", „coordonator task knowledge-based growth", („responsabil proces")	ERASMUS	0.5
17.	**Centrul de Învățare pentru Tehnologie, Artă și Sport** ROSE AG296/SGU CI III Director proiect: Nicoleta Ștefu	Responsabil („responsabil activitati consiliere")	ROSE	0.5
18.	**Modernizarea și eficientizarea energetică a căminelor studențești și a sălilor de sport ale Universității de Vest din Timișoara** Contract finanțare nr. 14233/17.12.2024 Manager proiect: Laurențiu Georgescu	Responsabil („responsabil GT")	PNRR	0.5
19.	**Viitor pentru Comunitate!** Proiect cu finanțare nerambursabilă, contract finanțare nr. 6/08.10.2015 Finanțator: Consiliul Județean Timișoara	Responsabil proiect	CJT	0.5
20.	**Gala Premiilor UVT, ediția I** Proiect cu finanțare nerambursabilă, contract finanțare nr. 4/08.10.2015 Finanțator: Consiliul Județean Timișoara	Responsabil proiect	CJT	0.5
21.	**Diaspora în cercetarea științifică și învățământul superior din România** Proiect cu finanțare nerambursabilă, contract finanțare nr. 762/13.04.2016 Finanțator: Primăria Municipiului Timișoara	Responsabil proiect	PMT	0.5
22.	**Gala Premiilor UVT, ediția II** Proiect cu finanțare nerambursabilă, contract finanțare nr. 596/03.11.2016 Finanțator: Consiliul Județean Timișoara	Responsabil proiect	CJT	0.5
23.	**Gala Excelenței Bănățene, ediția III** Proiect cu finanțare nerambursabilă, contract finanțare nr. 571/20.10.2016 Finanțator: Consiliul Județean Timișoara	Responsabil proiect	CJT	0.5
24.	**Gala Premiilor UVT, ediția III** Proiect cu finanțare nerambursabilă, contract finanțare nr. 4698/02.11.2017 Finanțator: Primăria Municipiului Timișoara	Responsabil proiect	PMT	0.5
25.	**Excelență în Educație, ediția III** Proiect cu finanțare nerambursabilă, contract finanțare nr. 222/30.10.2017 Finanțator: Consiliul Județean Timișoara	Responsabil proiect	CJT	0.5
26.	**Excelență în Educație, ediția IV**	Responsabil proiect	CJT	0.5

	Proiect cu finanțare nerambursabilă, contract finanțare nr. 143/05.07.2018 Finanțator: Consiliul Județean Timișoara			
27.	**Gala Premiilor UVT, ediția IV** Proiect cu finanțare nerambursabilă, contract finanțare nr. 2683/26.07.2018 Finanțator: Primăria Municipiului Timișoara	Responsabil proiect	PMT	0.5
28.	**Excelență în Educație, ediția V** Proiect cu finanțare nerambursabilă, contract finanțare nr. 15252/23.07.2019 Finanțator: Consiliul Județean Timișoara	Responsabil proiect	CJT	0.5
29.	**Creative Youth Elite** Proiect cu finanțare nerambursabilă, contract finanțare nr. 2728/12.08.2019 Finanțator: Primăria Municipiului Timișoara	Responsabil proiect	PMT	0.5
30.	**Gala Premiilor UVT, ediția V** Proiect cu finanțare nerambursabilă, contract finanțare nr. 2697/12.08.2019 Finanțator: Primăria Municipiului Timișoara	Responsabil proiect	PMT	0.5
31.	**Gala Premiilor UVT, ediția VI** Proiect cu finanțare nerambursabilă, contract finanțare nr. 2435/04.09.2020 Finanțator: Primăria Municipiului Timișoara	Responsabil proiect	PMT	0.5
32.	**Gala Premiilor UVT, ediția VII** Proiect cu finanțare nerambursabilă, contract finanțare nr. 18309/09.08.2015 Finanțator: Consiliul Județean Timișoara	Responsabil proiect	CJT	0.5
33.	**Fizică Medicală, licență (perioada: 2011-2016)**	Responsabil Program de Studii	UVT	0.5
34.	**Fizică Aplicată în Medicină, master (perioada: 2019-prezent)**	Responsabil Program de Studii	UVT	0.5
Punctaj total indicator **A9**				**17**

Documente justificative: Copie în format hard sau în format electronic a documentelor de contractare sau link pe pagina autorității contractante sau a instituției unde s-a desfășurat programul.

A10 – Director /responsabil pentru proiecte de cercetare câștigate prin competiție națională sau internațională; proiectele de la punctul A9 se exclud).

Nr. crt.	Titlul proiectului	Calitatea (director sau responsabil)	Autoritatea contractantă, link (dacă este cazul)	Punctaj $V/100.000$
1.	**Nanocontrol și multifuncționalitate în materiale, microstructuri și arhitecturi cu memorie a formei** Grant CEEX, „Cercetare de Excelență”, Program Nr. C14/2005, Finanțare ANCS, Contract nr. 7/2005 Valoare: 92.500 RON (2008) = 25.715 EUR (curs referință 3 ian. 2008, 1 EUR = 3.5971 RON: https://www.cursbnr.ro/arhiva-curs-bnr-2008-01-03)	Director de Proiect (din 2008)	ANCS	0.257
2.	**Microstructure investigation of new highly elastic elastomers by means of combined methods (SANS, SAXS, XRD, Raman Spectroscopy)** Colaborare JINR-Romania, Proiect Nr. 90 / tema 04-4-1121-2015/2020 Responsabil JINR: Bălășoiu M. (FNLP)	Responsabil de Proiect	JINR / IUCN	0.036

	Valoare: 3.800 USD (2017) = 3.651 EUR (curs referință 3 ian. 2017, 1 EUR = 4.5175 RON: 1 USD = 4.3408 RON https://www.cursbnr.ro/arhiva-curs-bnr-2017-01-03)			
3.	**Investigații de microstructură pentru noi elastomeri foarte elastici folosind metode combinate (Microstructure investigation of new highly elastic elastomers by means of combined methods)** Colaborare JINR-Romania, Proiect Nr. 65 / tema 04-4-1121-2015/2017 Responsabil JINR: Bălășoiu M. (FNLP) Valoare: 2.300 USD (2018) = 2.079 EUR (curs referință 3 ian. 2018, 1 EUR = 4.6412 RON: 1 USD = 3.8603 RON https://www.cursbnr.ro/arhiva-curs-bnr-2018-01-03)	Responsabil de Proiect	JINR / IUCN	0.019
4	**Investigation of thermal properties of magnetic elastomers by means of differential scanning calorimetry (DSC)** Colaborare JINR-Romania, Proiect Nr. 91 / tema 04-4-1121-2015/2020 Responsabil JINR: Pawlukojc A. (FNLP) Valoare: 2.500 USD (2018) = 2.079 EUR (curs referință 3 ian. 2018, 1 EUR = 4.6412 RON: 1 USD = 3.8603 RON https://www.cursbnr.ro/arhiva-curs-bnr-2018-01-03)	Responsabil de Proiect	JINR / IUCN	0.020
5.	**Development of microstructure investigation of magnetic elastomers with CoFe2O4 nanoparticles by means of combined structural and magnetodielectric methods** Nr. / tema 04-4-1121-2015/2020 Responsabil JINR: Bălășoiu M. (FNLP) Valoare: 4.000 USD (2019) = 3.516 EUR (curs referință 3 ian. 2019, 1 EUR = 4.6656 RON: 1 USD = 4.1016 RON https://www.cursbnr.ro/arhiva-curs-bnr-2018-01-03)	Director de proiect	JINR / IUCN	0.035
6.	**Investigation of the local magnetic field distribution in the magnetic elastomers by means of positive muon spectroscopy** Nr. / tema 02-2-1124-2015/2020 Responsabil JINR: Duginov D.N. (DLNP) Valoare: 3.100 USD (2019) = 2.725 EUR (curs referință 3 ian. 2019, 1 EUR = 4.6656 RON: 1 USD = 4.1016 RON https://www.cursbnr.ro/arhiva-curs-bnr-2018-01-03)	Director de proiect	JINR / IUCN	0.027

7.	**Cercetare de Excelență în UVT prin Susținerea și Dexvoltarea Centrelor de Cercetare în Universități** Valoare: 372.000 RON (2018) = 80.151 EUR (curs referință 3 ian. 2018, 1 EUR = 4.6412 RON: https://www.cursbnr.ro/arhiva-curs-bnr-2018-01-03)	Director de proiect	Ministerul Educației, prin CNFIS	0.801
8.	**„Research For UNITA – Re-UNITA"** Grant amount (EU contribution): 38.250 EUR (pentru WP2)	Responsabil WP2	H2020	0.382
9.	**INNOUNITA - INNOvation capacity building in UNITA** Grant amount (first phase): 67.375 EUR + (second phase): 143.625 EUR	Manager proiect	HEI Capacity Building Initiative / EIT Food GA	2.110
10.	**U InnoVaTe 2024** Valoare: 237.750 RON (2024) = 47.807 EUR (curs referință 3 ian. 2024, 1 EUR = 4.9731 RON: https://www.cursbnr.ro/arhiva-curs-bnr-2024-01-03	Coordnator	Ministerul Educației, prin Fondul pentru Situații Speciale	0.478
Punctaj total indicator **A_{10}**				**4.165**

Se acordă $V/100.000$ puncte pentru fiecare item, unde V este valoarea contractului în euro. Sumele în lei sau în alte valute se convertesc în euro la cursul mediu din anul respectiv conform www.bnr.ro pentru perioada de după 1999 și la cursul din 1999 pentru perioada anterioară. Responsabilii de proiect sunt cei care conduc o echipă de cercetare, fiind menționați ca atare în proiectul depus; în cazul lor se consideră doar suma aferentă echipei conduse.
Documente justificative: Copie în format hard sau în format electronic dupa devizul postcalcul.

Precizări:

- *n_i^{ef} reprezintă numărul efectiv de autori ai itemului i și ia următoarele valori:*

n_i dacă $n_i \le 5$, $(n_i+5)/2$ dacă $5 < n_i \le 15$, $(n_i+15)/3$ dacă $15 < n_i \le 75$ și $(n_i+45)/4$ dacă $n_i > 75$, unde n_i reprezintă numărul de autori ai articolului i. În cazul publicațiilor HEPP (High Energy Particle Physics) cu număr mare de autori, dacă articolul are la bază o notă internă a experimentului la care candidatul este coautor, atunci $\mathbf{n_i^{ef}}$ poate fi dat de numărul de autori din nota internă.

- *Lucrările de tip "Article. Proceedings paper" pot fi considerate la activitatea de cercetare sau la cea didactică și profesională, o singură dată, la alegerea candidatului.*

Punctaj total obținut pentru activitatea didactică și profesională:

$$A = \sum_{i=1}^{10} A_i = \mathbf{25.128}$$

2. Activitatea de cercetare

2.1 – Articole științifice originale, în extenso, ca autor

Nr. crt.	**Referința bibliografică** (Autori, Titlul, Revista, Vol., anul,	AIS_i	n_i	n_i^{ef}	AIS_i / n_i^{ef}

	pag. încep. – pag.sf.				
1.	Bunoiu O., Duffar T., Theodore F., Santailler J.L., Nicoară I., Numerical simulation of the flow field in shaped crystal growth process, Journal of Optoelectronics and Advanced Materials, Vol. 2, No. 5, 474-480, 2000 https://old.joam.inoe.ro/arhiva/pdf2_5/Bunoiu.pdf	*0.03*	*5*	*5*	*0.006*
2.	Bunoiu O., Duffar T., Theodore F., Santailler J.L., Nicoară I., Numerical simulation of the flow field and solute segregation in Edge-defined Film-fed Growth, Crystal Research and Technology, Vol. 36, No. 7, 707-717, 2001 https://doi.org/10.1002/1521-4079%28200108%2936%3A7%3C707%3A%3AAID-CRAT707%3E3.0.CO%3B2-J	*0.3*	*5*	*5*	*0.060*
3.	Barvinschi F., Bunoiu O., Nicoară I., Nicoară D., Santailler J.L., Duffar T., Factors affecting the isotherm shape of semi-transparent BaF2 crystals grown by Bridgman method, Journal of Crystal Growth, Vol. 237-239, Part 3, 1762-1768, 2002 https://doi.org/10.1016/S0022-0248(01)02328-4	*0.7*	*6*	*5.5*	*0.127*
4.	Bunoiu O., Nicoară I., Santailler J.L., Duffar T., Fluid flow and solute segregation in EFG crystal growth process, Journal of Crystal Growth, Vol. 275, 799-805, 2005 https://doi.org/10.1016/j.jcrysgro.2004.11.052	*0.6*	*4*	*4*	*0.150*
5.	Bunoiu O., Defoort F., Santailler J.L., Duffar T., Nicoară I., Thermodynamic analyses of gases formed during the EFG sapphire growth process, Journal of Crystal Growth, Vol. 275, e1707-e1713, 2005 https://doi.org/10.1016/j.jcrysgro.2004.11.249	*0.6*	*5*	*5*	*0.120*
6.	Bunoiu O., Nicoară I., Duffar T., Solute distribution in shaped sapphire crystals obtained by EFG method, Journal of Optoelectronics and Advanced Materials, Vol. 7, Nr. 2, 615-618, 2005 https://old.joam.inoe.ro/arhiva/pdf7_2/Bunoiu.pdf	*0.1*	*3*	*3*	*0.033*
7.	Bunoiu O., Nicoară I., Santailler J.L., Theodore F., Duffar T., On the void distribution and size in shaped sapphire crystals, Crystal Research and Technology, Vol 40, No. 9, 952-859, 2005 https://doi.org/10.1002/crat.200410445	*0.3*	*5*	*5*	*0.060*
8.	Nicoară I., Bunoiu O., Vizman D., Voids engulfment in shaped sapphire crystals, Journal of Crystal Growth, Vol. 287, Nr. 2, 291-295, 2006 https://doi.org/10.1016/j.jcrysgro.2005.11.032	*0.6*	*3*	*3*	*0.200*
9.	Nicoară I., Pecingina-Gârjoaba N., Bunoiu O., Concentration distribution of Yb2+ and Yb3+ ions in YbF3:CaF2 crystals, Journal of Crystal Growth, Vol. 310, No. 7-9, 1476-1481, 2008 https://doi.org/10.1016/j.jcrysgro.2007.11.024	*0.582*	*3*	*3*	*0.194*
10.	Stef M., Bunoiu O., Paraschiva M., Pruna A., Nicoara I., Segregation coefficient of Pb2+ ions in CaF2 Crystals, AIP Conference Proceedings, Vol. 1131, 112-116, 2009 https://doi.org/10.1063/1.3153429	*considerat la criteriul A6, nr.1*			
11.	Lungu M., Neculae A., Bunoiu M., Some considerations on the dynamics of nanometric suspensions in fluid media, AIP Conference Proceedings, Vol. 1131, 164-168, 2009 https://doi.org/10.1063/1.3153440	*considerat la criteriul A6, nr.2*			
12.	Bunoiu O.M., Duffar T., Nicoară I., Gas bubbles in shaped sapphire, Progress in Crystal Growth and Charact. of Materials, Vol. 56, No. 3-4, 123-145, 2010 https://doi.org/10.1016/j.pcrysgrow.2010.09.001	*1.442*	*3*	*3*	*0.480*
13.	Neculae A., Bunoiu O.M., Lungu M., Numerical simulation of bioparticle manipulation using dielectrophoresis, AIP Conference Proceedings, Vol. 1262, 144-149, 2010 https://doi.org/10.1063/1.3482222	*considerat la criteriul A6, nr.3*			
14.	Paraschiva M., Nicoară I., Ștef M., Bunoiu O. M., Distribution of Pb2+ Ions in PbF2-Doped CaF2 Crystals, Acta Physica Polonica A, Vol. 117, Issue: 3, 466-470, 2010 https://doi.org/10.12693/APhysPolA.117.466	*0.117*	*4*	*4*	*0.029*
15.	Munteanu M., Ștef M., Bunoiu O., Nicoară I., Effective segregation coefficient of Er3+ ions in ErF3-doped CaF2 crystals, Physica Scripta, Vol. 81, Issue: 3, Article Number: 035602, 2010 https://doi.org/10.1088/0031-8949/81/03/035602	*0.335*	*4*	*4*	*0.083*
16.	Lungu M., Neculae A., Bunoiu M., Some considerations on the dielectrophoretic manipulation of nanoparticles in fluid media, Journal of Optoelectronics and Advanced Materials, Vol. 12, No. 12, 2423-2426, 2010	*0.113*	*3*	*3*	*0.037*

	https://joam.inoe.ro/articles/some-considerations-on-the-dielectrophoretic-manipulation-of-nanoparticles-in-fluid-media/				
17.	Lungu M., Neculae A., Bunoiu M., Strambeanu N., Some Considerations on the Nanoparticles Manipulation in Fluid Media Using Dielectrophoresis, Romanian Journal of Physics, Vol. 56, No. 5-6, 749-756, 2011 https://rjp.nipne.ro/2011_56_5-6/0749_0756.pdf	*0.095*	*4*	*4*	*0.023*
18.	Bunoiu O., Stef M., Popescu A., Vizman D., Interface shape studies in Bridgman growth of multicrystalline silicon, AIP Conference Proceedings, Vol. 1387, 226-231, 2011 https://doi.org/10.1063/1.3647079	*considerat la criteriul A6, nr.4*			
19.	Neculae A., Lungu M., Nicolici-Schultz T., Bunoiu M., Numerical study regarding the influence of electrodes' geometry on the dielectrophoretic forces, AIP Conference Proceedings, Vol. 1387, 270-275, 2011 https://doi.org/ 10.1063/1.3647086	*considerat la criteriul A6, nr.5*			
20.	Neculae A., Lungu M., Bunoiu M., Giugiulan R., Electrohydrodynamic modeling for manipulation of micro/nano particles in microfluidic systems, AIP Conference Proceedings, Vol. 1472, 155-161, 2012 https://doi.org/10.1063/1.4748083	*considerat la criteriul A6, nr.6*			
21.	Pupăzan V., Popescu A., Bunoiu O.M., Vizman D., Influence of growth rate on interface shape and grains structure in multicrystalline silicon growth by Bridgman method, AIP Conference Proceedings, Vol. 1472, 210-214, 2012 https://doi.org/10.1063/1.4748090	*considerat la criteriul A6, nr.7*			
22.	Neculae A., Biriș C.G., Bunoiu M., Lungu, M., Numerical analysis of nanoparticle behavior in a microfluidic channel under dielectrophoresis, Journal of Nanoparticle Research, Vol. 14, No. 10, 1154, 2012 https://doi.org/10.1007/s11051-012-1154-4	*0.676*	*4*	*4*	*0.169*
23.	Lungu M., Giugiulan R., Bunoiu M., Strambeanu M., Neculae A., Submicron particle trapping using traveling wave dielectrophoresis, AIP Conference Proceedings, Vol. 1564, 111-116, 2013 https://doi.org/10.1063/1.4832804	*considerat la criteriul A6, nr.8*			
24.	Neculae A., Giugiulan R., Bunoiu M., Lungu M., Effects of fluid flow velocity upon nanoparticle distribution in microfluidic devices under dielectrophoresis, Romanian Reports in Physics, Vol. 66, No. 3, 754-764, 2014 https://rrp.nipne.ro/2014_66_3/A16.pdf	*0.210*	*4*	*4*	*0.052*
25.	Lungu M., Balasiu S., Bunoiu M.O., Neculae A., Study of a 3D DEP-based Microfluidic System for Selective Nanoparticle Manipulation, AIP Conference Proceedings, Vol. 1634, 89-94, 2014 https://doi.org/10.1063/1.4903019	*considerat la criteriul A6, nr.9*			
26.	Nicoara I., Buse G., Bunoiu M., Segregation coefficient of Yb3+ and Yb2+ Ions in YbF3 Doped BaF2 Crystals, AIP Conference Proceedings, Vol. 1634, 111-114, 2014 https://doi.org/10.1063/1.4903023	*considerat la criteriul A6, nr.10*			
27.	Pupazan V., Negrila R., Bunoiu O., Nicoară I., Vizman D., Effects of crucible coating on the quality of multicrystalline silicon grown by a Bridgman technique, Journal of Crystal Growth, Vol. 401, 720-726, 2014 https://doi.org/10.1016/j.jcrysgro.2014.02.038	*0.401*	*5*	*5*	*0.080*
28.	Bica I., Anitas E.M., Bunoiu M., Vatzulik B., Juganaru I., Hybrid magnetorheological elastomer: Influence of magnetic field and compression pressure on its electrical conductivity, Journal of Industrial and Engineering Chemistry, Vol. 20, No. 6, 3994-3999, 2014 https://doi.org/10.1016/j.jiec.2013.12.102	*0.492*	*5*	*5*	*0.098*
29.	Anitas E.M., Bica I., Erhan R.V., Bunoiu M., Kuklin A.I., Structural Properties of Composite Elastomeric Membranes Using Small-Angle Neutron Scattering, Romanian Journal of Physics, Vol. 60, 653-657, 2015 https://rjp.nipne.ro/2015_60_5-6/RomJPhys.60.p653.pdf	*0.173*	*5*	*5*	*0.034*
30.	Neculae A., Strambeanu M., Lungu A., Bunoiu M., Lungu M., Nanoparticles trapping from flue gas using dielectrophoresis, AIP Conference Proceedings, Vol. 1694, 040004, 2015 https://doi.org/10.1063/1.4937256	*considerat la criteriul A6, nr.11*			
31.	Craciun D., Oprescu M., Bunoiu M., Promoting an English and Science Summer Programme through Social Media, SMART 2014 - Social Media in Academia: Research and Teaching, 119-123, 2015	*considerat la criteriul A6, nr.12*			
32.	Craciun D, Bunoiu M., Why Blended Learning Models in Romanian Science Education?, Rethinking Education by Leveraging the Elearning Pillar of the	*considerat la criteriul A6, nr.13*			

	Digital Agenda for Europe! vol. III of Book Series: eLearning and Software for Education, 460-468, 2015 https://doi.org/ 10.12753/2066-026X-15-251				
33.	Bica I., Anitas E.M., Averis L.M.E., Bunoiu M., Magnetodielectric effects in composite materials based on paraffin, carbonyl iron and graphene, Journal of Industrial and Engineering Chemistry, Vol. 21, 1323-1327, 2015 https://doi.org/10.1016/j.jiec.2014.05.048	*0.568*	*4*	*4*	*0.142*
34.	Bica I., Anitas E.M., Chirigiu I., Bunoiu M., Juganaru I., Tatu R.F., Magnetodielectric effects in hybrid magnetorheological suspensions, Journal of Industrial and Engineering Chemistry, Vol. 22, 53-62, 2015 https://doi.org/10.1016/j.jiec.2014.06.024	*0.568*	*6*	*5.5*	*0.103*
35.	Bica I., Bălăşoiu M., Bunoiu M., Iordaconiu L., Cirtina G., Influence of the longitudinal magnetic field on the turning angle of a cylindrical bar-shaped magnetorheological elastomer, Journal of Optoelectronics and Advanced Materials, Vol. 17, 1379-1384, 2015 https://joam.inoe.ro/articles/influence-of-the-longitudinal-magnetic-field-on-the-turning-angle-of-a-cylindrical-bar-shaped-magnetorheological-elastomer/	*0.078*	*5*	*5*	*0.015*
36.	Craciun D, Bunoiu M., Training Teachers for the Knowledge Society: Social Media in Science Education, BRAIN-BROAD RESEARCH IN ARTIFICIAL INTELLIGENCE AND NEUROSCIENCE, vol. 6, 82-83, 2015 https://brain.edusoft.ro/index.php/brain/article/view/521	*considerat la criteriul A6, nr.14*			
37.	Craciun D., Craciun P., Bunoiu M., Digital Storytelling as a Creative Teaching Method in Romanian Science Education, AIP Conference Proceedings, vol. 1722, 310001, 2016 https://doi.org/10.1063/1.4944311	*considerat la criteriul A6, nr.15*			
38.	Bica I., Anitas E.M., Bunoiu M., Iordaconiu L., Bortun C.M., Averis L.M.E., Mechanisms of micropore formation in silicone rubber based membranes, Romanian Journal of Physics, Vol. 61, 464-472, 2016 https://rjp.nipne.ro/2016_61_3-4/RomJPhys.61.p464.pdf	*0.243*	*6*	*5.5*	*0.044*
39.	Bica I., Balasoiu M., Bunoiu M., Iordaconiu L., Microparticles and Electroconductive Magnetorheological Suspensions, Romanian Journal of Physics, Vol. 61, 926-945, 2016 https://rjp.nipne.ro/2016_61_5-6/RomJPhys.61.p926.pdf	*0.243*	*4*	*4*	*0.060*
40.	Neculae A., Bunoiu M., Lungu A., Lungu M., Filtration of flue gas in microfluidic devices using dielectrophoresis, Romanian Journal of Physics, Vol. 61, No. 5-6, 957-969, 2016 https://rjp.nipne.ro/2016_61_5-6/RomJPhys.61.p957.pdf	*0.243*	*4*	*4*	*0.060*
41.	Neculae A., Bunoiu M., Lungu A., Lungu M., Filtration of flue gas by retaining of nanoparticles in microfluidic devices using dielectrophoresis, Romanian Reports in Physics, Vol. 68, No. 3, 2016 https://rrp.nipne.ro/2016_68_3/A15.pdf	*0.242*	*4*	*4*	*0.060*
42.	D. Craciun, M. Bunoiu , Augmented Reality in Romanian Science Education – Pros and Cons, The International Scientific Conference eLearning and Software for Education 3: 193-199. Bucharest: "Carol I" National Defence University, 2016 https://doi.org/10.12753/2066-026X-16-205	*considerat la criteriul A6, nr.16*			
43.	Craciunescu E., Sinescu C., Negrutiu M.L., Popa D.M., Lauer H.C., Rominu M., Hutiu G., Bunoiu M., Duma V.F., Antoniac I., Shear bond strength tests of zirconia veneering ceramics after chipping repair, Journal of Adhesion Science and Technology, Vol. 30, 666-676, 2016 https://doi.org/10.1080/01694243.2015.1117304	*0.252*	*10*	*7.5*	*0.033*
44.	Bunoiu M., Bica I., Magnetorheological elastomer based on silicone rubber, carbonyl iron and Rochelle salt: Effects of alternating electric and static magnetic fields intensities, Journal of Industrial and Engineering Chemistry, Vol. 37, 312–318, 2016 https://doi.org/10.1016/j.jiec.2016.03.047	*0.606*	*2*	*2*	*0.303*
45.	Stoia M., Barvinschi P., Barbu-Tudoran L., Bunoiu M., Influence of polyols on the formation of nanocrystalline nickel ferrite inside silica matrices, Journal of Crystal Growth, Vol.: 457, Special Issue, 294-301, 2017 https://doi.org/10.1016/j.jcrysgro.2016.05.034	*0.358*	*4*	*4*	*0.089*
46.	Barvinschi P., Bunoiu O.M., A finite element method model to simulate the termal response of vascularized tissue to laser irradiation, Romanian Reports in Physics, Vol. 69, No. 3, 610, 2017 https://rrp.nipne.ro/2017/AN610.pdf	*0.255*	*2*	*2*	*0.127*

47.	Bălășoiu M., Bunoiu M., Chirigiu L., Chirigiu L.M.E., Pascu G., Bica I., Magnetodielectric Membranes: Effects of the Magnetic Field on the Dielectric Loss Tangent, AIP Conference Proceedings, 1916, 040007, 2017 https://doi.org/10.1063/1.5017446	*considerat la criteriul A6, nr.17*			
48.	Crăciun D., Bunoiu M., Boosting physics education through mobile augmented reality, AIP Conference Proceedings, 1916, 050003, 2017 https://doi.org/10.1063/1.5017456	*considerat la criteriul A6, nr.18*			
49.	Balasoiu M., Kozhevnikov S.V., Nikitenko Yu. V., Iacobescu G.E., Bunoiu M., Bica I., Silicone rubber based magnetorheological elastomer: magnetic structure tested by means of neutron depolarization and magnetic force microscopy methods, Journal of Physics: Conference Series, Vol. 848, 012016, 2017 https://doi.org/10.1088/1742-6596/848/1/012016	*considerat la criteriul A6, nr.19*			
50.	Bălășoiu M., Lebedev V.T., Raikher Yu.L., Bica I., Bunoiu M., The implicit effect of texturizing field on the elastic properties of magnetic elastomers revealed by SANS, Journal of Magnetism and Magnetic Materials, Vol.: 431, 126-129, 2017 https://doi.org/10.1016/j.jmmm.2016.09.109	*0.466*	*5*	*5*	*0.093*
51.	M. Bunoiu, E.M. Anitas, J. Neamtu, I. Bica, L. Chirigiu, L.M.E. Chirigiu, Generation of Iron Nano-microparticles for Bio-medical Applications Using Plasma Processes, Revista de Chimie, Vol. 68, No. 6, 1204-1209, 2017 https://doi.org/10.37358/RC.17.6.5642	*0.047*	*6*	*5.5*	*0.008*
52.	Bunoiu M., Neamțu J., Chirigiu L., Bălășoiu M., Pascu G., Bica I., Chirigiu L.M.E., Hybrid Magnetorheological Elastomers: Effects of the magnetic field on some electrical properties, Applied Surface Science, Vol. 424, Part 3, Special Issue, 282-289, 2017 https://doi.org/10.1016/j.apsusc.2017.04.087	*0.627*	*7*	*6*	*0.104*
53.	Cojocaru D., Petrescu I., Bunoiu M., Gogu E., Stanciu S., Tanasie A., A study case for the accreditation of doctoral studies. Preliminary approaches, EDULEARN Proceedings, 3146-3154, 2018 https://doi.org/10.21125/edulearn.2018.0832	*considerat la criteriul A6, nr.20*			
54.	Scarlatescu I., Spunei M., Chis A., Negru S., Bunoiu M., Avram N., Experimental dosimetric checkup under positioning errors according to gamma criterion, UPB Scientific Bulletin, Series A: Applied Mathematics and Physics, Vol. 80, No. 1, 271-280, 2018 https://www.scientificbulletin.upb.ro/rev_docs_arhiva/fulld4e_861144.pdf	*0.094*	*6*	*5.5*	*0.017*
55.	Craciun D., Bunoiu M., Teacher Training in the Context of Open Science and Science Education, Elearning Challenges and New Horizons, Vol. 4, Book Series: eLearning and Software for Education, pp. 319-326, 2018 https://doi.org/10.12753/2066-026X-18-259	*considerat la criteriul A6, nr.21*			
56.	Craciun D., Bunoiu M., Learning Science outside the Classroom: A Summer School Experience, AIP Conference Proceedings, 2071, 050002, 2019 https://doi.org/10.1063/1.5090086	*considerat la criteriul A6, nr.22*			
57.	Grosseck G., Craciun D., Bunoiu M., "Digital Storytelling" in Teaching: Lessons Learned at WUT, New Technologies and Redesigning Learning Spaces, Vol.II, Book Series: eLearning and Software for Education, pp. 313-322, 2019 https://doi.org/10.12753/2066-026X-19-114	*considerat la criteriul A6, nr.23*			
58.	Bica I., Bunoiu O.M., Magnetorheological Hybrid Elastomers Based on Silicone Rubber and Magnetorheological Suspensions with Graphene Nanoparticles: Effects of the Magnetic Field on the Relative Dielectric Permittivity and Electric Conductivity, International Journal of Molecular Sciences, Vol. 20, No. 17, Art. no. 4201, pp. 1-9, 2019 https://doi.org/10.3390/ijms20174201	*0.932*	*2*	*2*	*0.466*
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67.	Bunoiu M., Anitas E.M., Pascu G., Chirigiu L.M.E., Bica I., Electrical and Magnetodielectric Properties of Magneto-Active Fabrics for Electromagnetic Shielding and Health Monitoring, International Journal of Molecular Sciences, Vol. 21, No. 13, 4785, 2020 https://doi.org/10.3390/ijms21134785	*0.943*	*5*	*5*	*0.188*
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80.	Bunoiu O.M., Bica I., Anitas E.M., Chirigiu L.M.E., Magnetodielectric and Rheological Effects in Magnetorheological Suspensions Based on Lard, Gelatin and Carbonyl Iron Microparticles, Materials, Vol. 17, No. 16, 3941, 2024 https://doi.org/10.3390/ma17163941	*0.523*	*4*	*4*	*0.130*
81.	Malaescu I., Sfirloaga P., Bunoiu O.M., Marin C.N., A Comparative Analysis of the Electrical Properties of Silicone Rubber Composites with Graphene and Unwashed Magnetite, Materials, Vol. 17, No. 23, Art. No. 6006, 2024 https://doi.org/10.3390/ma17236006	*0.523*	*4*	*4*	*0.130*
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83.	Codrean A.F., Bunoiu O.M., Paulescu M., Identifying the Signature of the Solar UV Radiation Spectrum, Atmosphere, Vol. 16, No. 4, Art. No. 427, 2025 https://doi.org/10.3390/atmos16040427	*0.534*	*3*	*3*	*0.178*
Punctaj total indicator 2.1					**I = 5.947**

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Nr.	**Referinţa bibliografică** (Autori, Titlul, Revista, Vol., anul, pag.$_{\text{inceput}}$-pag.$_{\text{sfârşit}}$)	AIS_i
1.	Bunoiu O., Duffar T., Theodore F., Santailler J.L., Nicoară I., Numerical simulation of the flow field in shaped crystal growth process, Journal of Optoelectronics and Advanced Materials, Vol. 2, No. 5, 474-480, 2000 https://old.joam.inoe.ro/arhiva/pdf2_5/Bunoiu.pdf	*0.03*
2.	Bunoiu O., Duffar T., Theodore F., Santailler J.L., Nicoară I., Numerical simulation of the flow field and solute segregation in Edge-defined Film-fed Growth, Crystal Research and Technology, Vol. 36, No. 7, 707-717, 2001 https://doi.org/10.1002/1521-4079%28200108%2936%3A7%3C707%3A%3AAID-CRAT707%3E3.0.CO%3B2-J	*0.3*
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6.	Bunoiu O., Nicoară I., Santailler J.L., Theodore F., Duffar T., On the voids distribution and size in shaped sapphire crystals, Crystal Research and Technology, Vol 40, No. 9, 952-859, 2005 https://old.joam.inoe.ro/arhiva/pdf7_2/Bunoiu.pdf	*0.3*
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11.	Bunoiu M., Neamțu J., Chirigiu L., Bălășoiu M., Pascu G., Bica I., Chirigiu L.M.E., Hybrid Magnetorheological Elastomers: Effects of the magnetic field on some electrical properties, Applied Surface Science, Vol. 424, Part 3, Special Issue, 282-289, 2017 https://doi.org/10.1016/j.apsusc.2017.04.087	*0.588*
12.	Bica I., Bunoiu O.M., Magnetorheological Hybrid Elastomers Based on Silicone Rubber and Magnetorheological Suspensions with Graphene Nanoparticles: Effects of the Magnetic Field on the Relative Dielectric Permittivity and Electric Conductivity, International Journal of Molecular Sciences, Vol. 20, No. 17, Art. no. 4201, pp. 1-9, 2019 https://doi.org/10.3390/ijms20174201	*0.932*
13.	Bunoiu O.M., Matu G., Marin C.N., Malaescu I., Investigation of some thermal parameters of ferrofluids in the presence of a static magnetic field, Journal of Magnetism and Magnetic Materials, Vol. 498, Art. No. 166132, 2020 https://doi.org/10.1016/j.jmmm.2019.166132	*0.429*
14.	Bunoiu M., Anitas E.M., Pascu G., Chirigiu L.M.E., Bica I., Electrical and Magnetodielectric Properties of Magneto-Active Fabrics for Electromagnetic Shielding and Health Monitoring, International Journal of Molecular Sciences, Vol. 21, No. 13, 4785, 2020 https://doi.org/10.3390/ijms21134785	*0.943*
15.	Bunoiu M., Vlase G., Bica I., Balasoiu M., Pascu G., Vlase T., Study of Thermal Stability of Some Magnetorheological Elastomers, Romanian Reports in Physics, Romanian Reports in Physics, Vol. 73, 503, 2021 https://rrp.nipne.ro/2021/AN73503.pdf	*0.202*
16.	Pascu G., Bunoiu O.M., Bica I., Magnetic Field Effects Induced in Electrical Devices Based on Cotton Fiber Composites, Carbonyl Iron Microparticles and Barium Titanate Nanoparticles, Nanomaterials, Vol. 12, Art. No. 888, 2022 https://doi.org/10.3390/nano12050888	*0.738*
17.	Bunoiu M., Iacobescu G.E., Pascu G., Chirigiu L., Bica I., Magnetically Active Composites with Relatively Giant Dielectric Permittivity, Romanian Reports in Physics, Vol. 75, 503, 2023 https://doi.org/10.59277/RomRepPhys.2023.75.503	*0.184*
18.	Bunoiu O.M., Bica I., Anitas E.M., Chirigiu L.M.E., Magnetodielectric and Rheological Effects in Magnetorheological Suspensions Based on Lard, Gelatin and Carbonyl Iron Microparticles, Materials, Vol. 17, No. 16, 3941, 2024 https://doi.org/10.3390/ma17163941	*0.509*
Punctaj total indicator 2.2		**P = 8.802**

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Nr. publ. citată	Nr. publ. care citează	Referința bibliografică a publicației care citează (Autori, Titlul, Revista, Vol., anul, pag.$_{\text{inceput}}$ -pag.$_{\text{sfârșit}}$)	c_i al publ. citate	n_i^{ef} al publ. citate	Punctaj $\frac{c_i}{n_i^{ef}}$
1.		Bunoiu O., Duffar T., Theodore F., Santailler J.L., Nicoară I., Numerical simulation of the flow field in shaped crystal growth process, Journal of Optoelectronics and Advanced Materials, vol. 2, no. 5, pp. 474-480, 2000 https://www.webofscience.com/wos/woscc/full-record/WOS:000165225700008	1	5	*0.2*
	autocit.	Bunoiu O., Duffar T., Theodore F., Santailler J.L., Nicoară I., Numerical simulation of the flow field and solute segregation in Edge-defined Film-fed Growth, Crystal Research and Technology, vol. 36, no. 7, pp. 707-717, 2001			
	fără IF	Srinivasan M., Ramasamy, P., Study of the Flow Properties using Simulation Modeling for the Melt Growth by Bridgman - Stockbarger Method, AIP Conference Proceedings, vol. 1512, pp. 900-901, 2013			
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