UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI
FACULTATEA DE ȘTIINȚA ȘI INGINERIA MATERIALELOR
DEPARTAMENTUL DE INGINERIA MATERIALELOR ȘI SECURITATATE INDUSTRIALĂ
Concurs pentru ocuparea postului de ___Profesor___, poz. _4__
Disciplinele postului: Straturi funcționale
Simulare și experiment în analiza tensiunilor și informațiilor
Echipamente de muncă și echipamente individuale de protecție

FIŞA DE VERIFICARE

a îndeplinirii standardelor minimale naţionale de prezentare la concurs pentru postul de profesor universitar / cercetător ştiinţific I - conform Comisiei CNATDCU nr. 7.

publicat în Monitorul Oficial al României nr. 152 din data de 24.04.2023

Candidat: TOMA Ștefan Lucian **/** Data naşterii: 19.03.1968.Funcţia actuală: conferențiar universitar, Data numirii în funcţia actuală: martie 2014, Instituţia: Universitatea Tehnica "Gheorghe Asachi" din Iaşi

Nr. crt.	Domeniul de activitate	Condiții profesor	Realizat candidat	Grad de indeplinire, (%)	Conditii minimale
1	Activitatea didactică și profesională (A1)	Minimum 60 puncte	144.58	240.96	Indeplinite
2	Activitatea de cercetare (A2)	Minimum 320 puncte	763.46	238.58	Indeplinite
3	Recunoașterea impactului activității (A3)	Minimum 120 puncte	493.3	411.08	Indeplinite
Total		500 puncte	1401.34	280.03	

Anexată: Fişa de calcul şi de susţinere a îndeplinirii standardelor minimale specifice domeniului, în acord cu realizările menţionate:

Condiţii minimale obligatorii pe subcategorii [Număr]	Minim impus	Realizat
1.1.1.1. Cărţi şi capitole în cărți de specialitate, publicate ca autor, în edituri internaționale	-	2
1.1.1.2. Cărţi şi capitole în cărți de specialitate, publicate ca autor, în edituri naționale	2 (1 prim autor)	2 (1 prim autor)
1.1.2 Cărți/capitole ca editor	-	1
1.2.1. Manuale didactice / Monografii	2 (1 prim autor)	3(3 prim autor)
1.2.2. Îndrumare de laborator	-	3 (1 prim autor)
2.1. Articole ISI [Reviste + Conferenţe], *din care:*	15	38
- Reviste cotate ISI cu factor de impact, *din care:*	10	21
- Factor impact [FI] de min 1	5	13
- Autor principal [FI min 0,5]	5	12
2.2. Alte Baze de Date Internaţionale (BDI) [Reviste +Conferinţe]	-	20
2.3. Brevete de inventie	-	2
2.3.1. Nationale	-	2
2.3.2. Internationale	-	-
2.4. Granturi/Proiecte câştigate prin competiţie, *ca* Director/Responsabil, *din care*	2	3
- *Director*	1	1
3.1. Citari in reviste cotate ISI Thomson Reuters-Web of Science Core Collection si in alte baze internationale	30	100
C. Atestarea studiilor (diplome + Foi Matricole şi a altor realizări profesionale)	Diploma de Doctor in domeniul Stiinta si Ingineria Materialelor, Seria G, Nr. 0004641 /07.01.2010	
	Diploma de Inginer, in profilul Metalurgic, specializarea Teformari plastice si Tratamente termice, Seria K, Nr. 14098 /29.06.1992	

Stefan Lucian TOMA **Data: 15.05.2023**

Nr crt.	Domeniul activităților	Tipul activităților	Categorii și restricții	Subcategorii	Indicatori (kpi)	Realizari	Punc-taj
0	1	2	3	4	5	6	7
I	Activitatea didactică și profesionala (A1)	1.1 Cărți și capitole în cărți de specialitate în edituri cunoscute	1.1.1. Cărți/capitole ca autor	1.1.1.1. Internationale	nr. pagini/(2 x nr. autori)	**Toma St. L**., Haraga R.A., Chicet D., Paleu V., Bejinariu C., Hard Alloys with High Content of WC and TiC—Deposited by Arc Spraying Process- Capitol carte: Welding –- Modern Topics, Ed. Intechopen– Londra UK, **2021**, 25 pagini, 53 randuri/pag , format A4, http://dx.doi.org/10.5772/intechopen.94605	2.5
						Irimiciuc St.A., Forna N, Agop A., Agop M, **Toma St.** and Agop-Forna D, Dynamics of Transient Plasmas Generated by ns Laser Ablation of Memory Shape Alloys, Capitol carte in Practical Applications of Laser Ablation Ed. Intechopen– Londra UK, **2021**, 16 pagini, format A4, http://dx.doi.org/10.5772/intechopen.94748	1.33
				1.1.1.2 Naționale; din care: Profesor minm 2, d.c. 1 prim autor; Realizat: 3 carti	Nr. pagini/(5 x nr. autori)	**Toma, Șt.L,** Fundamente in procesele de pulverizare termica, Editura Performantica, Iasi **2021,** nr pag 144, 32 randuri/pag ISBN 978-606--685-823-6, format academic (17 x 24 cm).	28.8
						Toma St. L. Pulverizarea termică in arc electric. Editura Performantica, Iasi 2021, nr pag 186, 32 randuri/pag ISBN 978-606--685-824-3, format academic (17 x 24 cm).	37.2
						Tanase, C., **Toma, St.L,** Stefanescu, C., Streche, V. – Clasic – Modern- in tehnologia de executie a retelor subterane, Editia II, Editura PIM, Iasi **2022,** nr pag 127, 32 randuri/pag ISBN 606-520-290-8.1	6.35
			1.1.2. Cărți/capitole ca editor	1.1.2.2. Naționale	nr. pagini/(7 x nr.editori)	**Toma St.L** Mihai Adrian Bernevic M.A., Kohut LC, Moldovan Dan -Locuri de muncă sigure și sănătoase îți fac sarcina mai ușoara Editura Performantica, Iasi, **2021**, nr pag. 230, 34randuri/pag,ISBN 978-606-685-822-9	8.21
		1.2 Suport didactic	1.2.1 Manuale didactice, monografii, inclusiv electronice: pentru Profesor, minim 2 din care 1 ca prim autor Realizat: 2 manuale		nr. pagini/(10 x nr. autori)	**Toma St. L.** – Straturi Functionale - Curs, Editura Performantica. Iasi **2021,** nr pag 155, 40 rând./pag, ISBN 978-606-685-823-6 - format academic (17x24cm)	15.5
						Toma St. L - Tehnologii de prelucrare mecanica – Curs, Editura PIM. Iasi **2014,** nr pag 270, 33 randuri/pag, ISBN 978-606-13-0190-4, - format academic (17 x 24 cm).	25
			1.2.2 Indrumătoare de		nr. pagini/(20 x nr. autori)	**Toma ST. L.** Echipamente de muncă și echipamente individuale de protecție – Indrumar de seminar, vol.1, Editura Performantica, Iasi 2023, nr pagini 112, 32	5.6

			laborator/ aplicatii			randuri/pag. ISBN 978-606-685-987-5	
						Toma St. L - Tehnologii de prelucrare mecancia - Lucrări practice de laborator, Editura PIM.Iasi **2014,** nr pag 198, 40 randuri/pag, ISBN 978-606-13-0190-4.	9.9
						Bejinariu C, Malureanu I., Florescu A., Moldoveanu VV., Gheorghiu D., **Toma St. L,** Lohan M. – Tehnologia Materialelor – Lucrari practice, Editura Tehnopress Iasi **2011**, nr pag 200, 46 randuri/pag, , ISBN 978-973-702-522-7	1.66
						Bejinariu C, Rusu I, **Toma St. L.**, Lohan M.N, - Ingineria materialelor Metalice - Aplicatii practice,- Editura PIM, Iasi **2011**, nr. pag. 203, 44 rand./pag., ISBN 978-606-13-0190-4	2.53
Total A1 (min 60 puncte) - indeplinit 144.58							**144.58**
2	Activitatea de cercetare (A2)	2.1 Articole în reviste cotate ISI Thomson Reuters-Web of Science Core Collection [FI-Factor de impact] și în volume indexate ISI proceedings - Web of Science, in specificul postului scos la concurs	Minim 15 articole pentru Profesor/CS I din care min 10 in reviste cotate ISI Th.R. [din care min 5 cu FI min. 1 și min. 5 ca autor principal cu FI 0.5], [3] – Realizat: 36 articole in reviste cotate ISI , din care 16 in reviste cotate ISI cu FI (din care 11 cu FI>1 si 10 ca autor principal cu FI>0.5)		Reviste: 50·X/nr. autori (pentru reviste X=factorul de impact; pentru articole in volume X =0,1)	**38 de articole in reviste cotate ISI**	
						Nica I, Nedeff F., Nedeff V., Popa C., **Toma SL**, Agop M, Vasincu D, The Cracking Behavior of Two Dental Composite Materials Validated through Multifractal Analyzes, International Journal of Molecular Sciences, 2023, Vol 24(7), **IF 6.628, >1, autor correspondent** , Surse: http://doi.org/10.3390/ijms24076493	47.34
						Ciuntu BM., Balan G., Buna-Arvinte M., Abdulan IM., Papancea A., **Toma S.L.,** Veliceasa B., Badulescu OV., Ghiga G., Fatu AM., Vascu BM, Moldovanu A., Vintila D., Vasilescu A.M , Clostridium difficile Infections in an Emergency Surgical Unit from North-East Romania, Medicina, 2023, Vol 59 (5), , **IF 3,948, autor correspondent,** Sursa: http://doi.org/10.3390/medicina59050830	14.10
						Bulai, G.; Epure, L.; Strat, M.; **Toma, S.;** Cimpoesu, N.; Gurlui, S.; Constantinel, R.; Hurduc, N. - Azo-polysiloxanes spontaneous surface relief grating by pulsed laser irradiation , Appl. Phys., **IF2021: 2.983>=1,** 126, 616 **(2020).** https://doi.org/10.1007/s00339-020-03800-2; WOS:000552376100001; Surse: http://apps.webofknowledge.com , https://link.springer.com/article/10.1007/s00339-020-03800-2.	18.64
						Florea, C.D., Carcea, I., Cimpoesu, R., **Toma, S.L.,** Sandu, I.G., Bejinariu, C., Experimental Analysis of Resistance to Electrocorosion of a High Chromium Cast Iron with Applications in the Vehicle Industry, REV CHIM-BUCHAREST, **(2017)**,vol. 68, nr. 10, pp. 2397-2401, ISSN: 0034-7752, **FI(2017 – la data publicării): 1.412>=1,** https://doi.org/10.37358/RC.17.10.5893 Surse: http://www.revistadechimie.ro, http://apps.webofknowledge.com.	11,76
						Irimiciuc S., Agop M., Nica P., Gurlui S., Mihăileanu D, **Toma St**., Focsa C., *Dispersive effects in laser ablation plasmas,* Jpn J. of Appl Phys, **(2014), FI (2021): 1.48>=1,** Vol 53, Pag. 11602, DOI:10.7567/JJAP.53.116202; WOS:000346462200052; Surse: http://apps.webofknowledge.com ,	10.57

						https://iopscience.iop.org/article/10.7567/JJAP.53.116202	
						Valentin Nedeff, Emilian Moşneguţu, Mirela Panainte, Mihail Ristea, Gabriel Lazăr, Dan Scurtu, Bogdan Ciobanu, Adrian Timofte, **Ştefan Toma,** Maricel Agop - Dynamics in the boundary layer of a flat particle, Powder Technology, Vol 221 **(2012)** pag. 312 - 317, **FI (2021): 5.64>=1,** DOI:10.1016/j.powtec.2012.01.019, WOS:000303222300040, Surse: http://apps.webofknowledge.com , https://www.sciencedirect.com/journal/powder-technology	28.2
						Bejinariu C, Sandu A.V, Baciu C, Sandu I, **Toma St.L.**, Sandu I.G- Water Treatment and Detoxification of the By-Products Resulted from Lubricating Phosphatation of Iron-Based Metal Parts – REV CHIM-BUCHAREST **(2010)**, Vol 61(10), Pp 961- 964, ISSN 0034-7752. **FI(2010 -la data publicării): 0,693>=0,5**, WOS:000284244800011; Surse: http://www.revistadechimie.ro, http://apps.webofknowledge.com.	5.77
						Toma St.L., Chicet D. Cazac A.Numerical Calculation of the Arc-Sprayed Particles' Temperature in Transient Thermal Field, Coatings, **(2022),**12(7), 877, **FI(2021) 3.236,>= 1, *prim autor,*** WOS:000833785700001, https://doi.org/10.3390/coatings12070877	53.93
						Toma, S.L., Bejinariu, C., Baciu, Raluca, Radu, Steluta, The effect of frontal nozzle geometry and of gas pressure on the steel coating properties obtained by wire arc spraying, Surface and Coatings Technology **(2013**), vol. 220, pp. 266-270, ISSN: 0257-8972, **I.F.2021: 4.865 >=1, *prim autor.*** WOS:000317875800044 Surse: http://apps.webofknowledge.com, http://dx.doi.org/10.1016/j.surfcoat.2012.11.011	60.81
						Toma, St. L. The influence of jet gas temperature on the characteristics of steel coating obtained by wire arc spraying, Surface and Coatings Technology, **(2013),** vol. 220, pp. 266-270, ISSN: 0257-8972, **F.I.(2021): 4.865 >=1, *prim autor.*** WOS:000317875800043 Surse: http://apps.webofknowledge.com , http://dx.doi.org/10.1016/j.surfcoat.2012.12.006	243.25
						Irimiciuc SA., Saviuc A., Tudose-Sandu-Ville F., **Toma St.L.;** Nedeff F., Rusu MC., Agop M.;–Non-Linear Behaviors of Transient Periodic Plasma Dynamics in a Multifractal Paradigm, Symmetry, **(2020),** 12(8), 1356; **FI(2021): 2.940>=1, *autor correspondent*,** https://doi.org/10.3390/sym12081356; WOS:000564857500001; Surse: http://apps.webofknowledge.com; https://www.mdpi.com/2073-8994/12/8/1356	21
						Agop M.; Gavrilut A.,Grigoras-Ichim C., **Toma St.L.;** Petrescu T.C.; Irimiciuc SA., –Toward Interactions through Information in a Multifractal Paradigm, **(2020)** Entropy, 22(9), **FI(2021): 2.738>=1, *autor correspondent,*** WOS:000581432200001, 987; https://doi.org/10.3390/e2209098 7; Surse: http://apps.webofknowledge.com; https://www.mdpi.com/1099-4300/22/9/987 .	22.82

						Agop M.; Irimiciuc SA., Ghenadi A.; Bibire L, **Toma St.L**.; Petrescu T.C.; Vaideanu, D., Rusu MC., Gavrilut A., Vasincu D., –The Role of Information in Managing Interactions from a Multifractal Perspective, (2021) Entropy, 23(2) 148, **FI(2021): 2.738>=1, *autor correspondent*** https://doi.org/10.3390/e23020148 ; WOS:000622542600001; Surse: http://apps.webofknowledge.com; https://www.mdpi.com/1099-4300/23/2/148;	13.69
						Burduhos-Nergis, DP; Nejneru, C; Burduhos-Nergis, DD; Savin, C, Sandu AV, **Toma, SL**; Bejinariu, C The Galvanic Corrosion Behavior of Phosphated Carbon Steel Used at Carabiners Manufacturing - REV CHIM-BUCHAREST (2019),Vol. 70 Pages: 215-219, **FI(2019 -la data publicării): 1.755 >=1 *autor corespondent***, WOS:000460428100047, https://doi.org/10.37358/RC.19.1.6885 Surse: http://www.revistadechimie.ro, http://apps.webofknowledge.com.	12.54
						Chicet D., **Toma S**., Haraga R., Bejinariu C., Comparative Rolling Contact Behavior of Two APS Coatings with Different Matrix, Arch. Metall. Mater. **(2022),** 67 , 3, 869-878, **FI (2021): *0.767>=0.5, autor corespondent*** , https://doi.org/10.24425/amm.2022.139677, Sursa: http://www.imim.pl/archives/volume-67-issue-32022	9.59
						Nanu C., Poeata I, Popoescu C., Eva L., Toma B.F., **Toma St.L,** The Influence of the Characteristics of Plastic Materials Used in the Performance of the Thoraco-Lumbar Orthoses , Mater. Plast., **(2018),** Volume 55(1), 85-90 **FI(2021): *0.782 >=0.5 autor corespondent,*** https://doi.org/10.37358/MP.18.1.4969, WOS:000444129500019, Surse: http://apps.webofknowledge.com, https://revmaterialeplastice.ro/.	6.52
						Toma B.F., Nanu C., Popoescu C, Socolov V.R., Rosu V.E., **St. L Toma,** Himiniuc L.M., Rosu T.S.–The Analysis with Finite Elements of the Elasto-plastic Behaviour of the Spinal Immobilizers - in the Case of Comminutive Fractures, Mater. Plast., **(2020**), Volume 57 (2), 253-264, ***FI(2021): 0.782, >=0.5 autor corespondent*,** https://doi.org/10.37358/MP.20.2.5371 , WOS:000579451200026; Surse: http://apps.webofknowledge.com , https://revmaterialeplastice.ro/	4.89
						Radu S., Constandache M., **Toma St.** - Research regarding the processing of organic waste resulted from food industry in the north - east region of Romania and in the county of Iasi in particular, in relation to consumer's and environmental protection -Jokull Journal, **(2013),** Vol. 63 Issue 9 Section 1, pag. 59-71,ISSN 0449-0576, **IF2021: 0.75** Sursa www.jokulljournal.com , Cautare in Search autors dupa: Stefan Toma	12.5

						Bejinariu, C., Burduhos-Nergiș, D.-P., Cimpoeșu, N., Bernevig-Sava, M.-A., **Toma,Ș.-L.,** Darabont, D.-C., Baciu, C. Study on the anticorrosive phosphated steel carabiners used at personal protective equipment. Quality - Access to Success, (2019), 20, pp. 71-76. WOS:000459686300012. ISSN: 1582-2559, Publisher: SRAC -Societatea Romana Pentru Asigurarea Calitatii. Source Type: Journal. Document Type: Article. Source: http://www.scopus.com/ , http://apps.webofknowledge.com	0.71
						Teodorescu M., Khenoussi N., Schacher L., Adolphe D. C., Agop M., **Toma St.** - Surface morphology influence in structural colours displayed by spin-coated thin film -Revista Metalurgia International,**(2013)** Vol 18, pag. 27-29, ISSN 1582-2214, Indexata **ISI, IF 0.134,** WOS:000313469500006, Surse: http://apps.webofknowledge.com.	1.11
						Calin M.A., Curteza A., **Toma St.**, Agop M. - Morphological properties of polyamide 6-CNTnanofibers obtained by electrospinning method - Revista Metalurgia International, **(2013),** Vol 18, pag. 19-22, ISSN 1582-2214, Indexata **ISI, IF 0.134,** WOS:000313469400005, Surse: http://apps.webofknowledge.com.	1.67
						Toma, St.L., Bejinariu, C. , Gheorghiu, D.A., and Baciu, C., -The improvement of the physical and mechanical properties of steel deposits obtained by thermal spraying in electric arc - Advanced Materials Research, Proceedings of ISCS13, Published in Advanced Materials Research Vol. 814 (2013) pp 173-179, Trans Tech Publications, Switzerland, WOS:000336634500025 DOI: http://10.4028/www.scientific.net/AMR.814.173 . ISSN: 1662-8985. Surse: http://www.scientific.net; http://apps.webofknowledge.com	1.25
						Toma, St.L., Gheorghiu, D.A, Radu, S., and Bejinariu, C.,- The influence of the diffusion on adherence of the 60t deposits obtained through thermal spraying in electric arc, Applied Mechanics and Materials, Proceedings of IMaNE, Vol. 371 (2013) pp 270-274, © (2013), WOS:000334556900053Trans Tech Publications, Switzerland, http://www.scientific.net; http://apps.webofknowledge.com	1.25
						Ciuntu, BM; Georgescu, S; Timofte, D.V, Azoicai, D., **Toma, St.**, *How negative is the pressure used in the surgical wound treatment with negative pressure therapy*?, Medical-Surgical Journal-Revista Medico-Chirurgicala, (2021), Vol 125(3), pp 395-400 WOS:000706115200012 , http://apps.webofknowledge.com	1

						Baciu, M.A., Nanu, C., Sandu, G.I., Toma, B.F., Bejinariu, C., Cazac, A., **Toma, St.L**. Influence of by Flame Thermal Spray. (2017) IOP Conference Series: Materials Science and the Process Parameters on the Properties of Diamax Deposits Obtained by Flame Thermal Spray. (2017) IOP Conference Series: Materials Science and Engineering, 209 (1), art. no. 012072. DOI: http://10.1088/1757-899X/209/1/012072. WOS:000423732100072 Conference: International Conference on Innovative Research (ICIR Euroinvent). Location: Iasi, ROMANIA. Date: MAY 25-26, 2017. Publisher: IOP PUBLISHING LTD, DIRAC HOUSE, TEMPLE BACK, BRISTOL BS1 6BE, ENGLAND Document Information: Document Type: Proceedings Paper Sursa: http://apps.webofknowledge.com	0.71
						Toma, S.L., Baciu, C., Bejinariu, C., Gheorghiu, D.A., Munteanu, C., Cimpoesu, N., Studies on the Corrosion Behavior of Deposits Carried out by Thermal Spraying in Electric ARC – Thermal Activated. Edited by: Slatineanu, L; Merticaru, V; Nagit, G Coteata, M; Axinte, E; Dusa, P; Ghenghea, L; Negoescu, F; Lupescu, O; Tita, I; Dodun, O; Musca, G, ENGINEERING SOLUTIONS AND TECHNOLOGIES IN MANUFACTURING, Book Series: Applied Mechanics and Materials, Volume: 657, Pages: 261-265, DOI: http://10.4028/www.scientific.net/AMM.657.261, Published: 2014, Conference: Innovative Manufacturing Engineering Conference (IManE), Location: Chisinau, MOLDOVA, Date: MAY 29-30, 2014, Publisher: TRANS TECH PUBLICATIONS LTD, SWITZERLAND, WOS: 000348898000051, Document Type: Proceedings Paper, English, ISBN: 978-3-03835-275-4, ISSN: 1660-9336. Surse: http://www.scientific.net; http://apps.webofknowledge.com	0.83
						Georgescu, I.S., Cazac, A.M., Baciu, E.R., Bejinariu, C., Baciu, C., **Toma, S.L.**, Experimental Studies on Adherence Resistance of Thermally Sprayed Metallic Coatings. Edited by: Slatineanu, L; Merticaru, V; Nagit, G; Coteata, M; Axinte, E; Dusa, P; Ghenghea, L; Negoescu, F; Lupescu, O; Tita, I; Dodun, O; Musca, G, ENGINEERING SOLUTIONS AND TECHNOLOGIES IN MANUFACTURING Book Series: Applied Mechanics and Materials, Volume: 657, Pages: 271-275, DOI: 10.4028/www.scientific.net/AMM.657.271, Published: 2014, Conference: Innovative Manufacturing Engineering Conference (IManE), Location: Chisinau, MOLDOVADate: MAY 29-30, 2014, Publisher: TRANS TECH PUBLICATIONS LTD, SWITZERLAND,WOSȘ 000348898000053 DocumentType: Proceedings Paper, ISBN: 978-3-03835-275-4, ISSN: 1660-9336. Surse: http://www.scientific.net; http://apps.webofknowledge.com	0.83

						Toma, B.F., Baciu, R.E., Bejinariu, C., Cimpoieşu, N., Ciuntu, B.M., **Toma, S.L.,** Burduhos-Nergis, D.P., Timofte, D. Researches on the Improvement of the Bioactivity of TiO2Deposits, Obtained by Magnetron Sputtering – DC. (2018) IOP ConferenceSeries: Materials Science and Engineering, 374 (1), art. no. 012017, DOI: 10.1088/1757-899X/374/1/012017, WOS:000446775900017, eISSN 1757-899X, Document Type: Conference Paper. Access Type: Open Access. Source: http://www.scopus.com/ ; http://apps.webofknowledge.com.	0.63
						Bejinariu C., Susan M., Dumitras P.G., **Toma S.L.,** Determining the force and pressure at the extrusion of union nuts from cylindrical semiproducts, Surf. Engin. Appl. Electrochem.(2007), 43, 222–225 https://doi.org/10.3103/S1068375507030155	1.25
						D.A. Gheorghiu, **St.L.Toma,** T. Mihordea - Peculiarities in Partial Melted Zone in Cast Alloys - Advanced Materials Research, Proceedings of ISCS13, Vol. 814 (2013) pp 180-186, (2013) Trans Tech Publications, Switzerland WOS: 000336634500026 Source: http://www.scopus.com/ ; http://apps.webofknowledge.com.	1.67
						Cazac, A. M.; Alexandru, A.; Bernevig-Sava, M-A; **Toma, S. L.;** Goanta, V.; Bejinariu, Influence of nanostructuration on the sound velocity in copper Cu-99.75. (2018) IOP Conference Series: Materials Science and Engineering, 400 (7), art.no. 072002. DOI: 10.1088/1757-899X/400/7/072002, WOS:000461147400176, eISSN 1757-899X. Document Type: Proceedings Paper. WOS: 000461147400176., Source: http://www.scopus.com/ ; http://apps.webofknowledge.com	0.83
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		2.3 Brevete de inventie acordate, neindexate /indexate ISI Thomson, Reuters -Web of Science -Derwent Innovations Index		2.3.2 Naționale	25/Nr. autori	**1.** Florescu A, Bejinariu C, Galusca D, Comaneci R, Toma St - Robinet cu ventil, Brevet de invenţie Nr. 110282, B1, Publicat in Buletinul Oficial al Proprietăţii Industriale, nr. 11/1995. Surse: http://apps.webofknowledge.com, http://bd.osim.ro/cgi-bin/invsearch8	5
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						Responsabil de proiect **P2.** Contract de finanţare pentru executie proiecte cu nr. 185CI/2019 „Transferul tehnologiei de obtinere a depunerilor de Ni-Cr - rezistente la coroziune si temperatura la SC Rezistoterm SRL.” Autoritatea contractanta: Guvernul Romaniei, prin UEFISCDI, Beneficiar contract: SC Rezistoterm SRL, **Durata 1 an,** Valoare proiect: UTI 50000. Sursa: http://www.dart.sim.tuiasi.ro/ , Adeverinta UTI Nr 56418/19.07.2022	5
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			2.4.2 Membru in echipă	2.4.2.2 Nationale	2 x ani desfăsurare„	**P4.** Responsabil CDI la contractul de finanţare nr. 72-227/2008- PN II-CNMP, cu tema: „Straturi compozite avansate utilizate in terotehnica, obtinute prin pulverizare termica in arc electric activat” - www.actes.tuiasi.ro. Perioada de finantare: 2008-2011. Val. totala UTI 276.600lei. **Durata 3 ani.** Director de proiect: Baciu Constantin.Sursa: Adeverinta UTI Nr 56418/19.07.2022.	6
						P5. Responsabil CDI la contractul de finanţare nr. 173 /2006 - Programul CeEx, Modul: 1; Denumirea proiectului: „Echipament de metalizare prevăzut cu sistem inteligent Fuzzy Logic pentru comanda şi controlul procesului de pulverizare termică” - www.ecmsi.tuiasi.ro Contractor: Universitatea Tehnică „Gheorghe Asachi” din Iaşi. Val. totala UTI 760000lei. **Durata 3 ani.** Director de proiect: Baciu Constantin.Sursa: Adeverinta UTI Nr 56418/19.07.2022.	4
						P6. Responsabl CDI la contractul de finanţare nr. 293 /2006 Programul CeEx 2006 cu tema: „Sistem tehnologic performant pentru tragerea ţevilor din oţeluri inoxidabile cu vibraţii ultrasonice” www.tragus.tuiasi.ro, Contractor: Universitatea Tehnică „Gheorghe Asachi” din Iaşi. Val. totala UTI 558879lei. **Durata 2 ani.** Director de proiect: Susan Mihai. Sursa: Adeverinta UTI Nr 56418/19.07.2022.	4

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						P10. Membru specialist contract de finanţare nr. 72-217/2008 PNII -CNMP,cu tema Sisteme expert aplicate sistemelor criogenice destinate otelurilor, Valoare UTI 347784lei. **Durata 3 ani.** Director de proiect: Prof dr. ing. Bulancea Valentin, Sursa: Adeverinta UTI Nr 56418/19.07.2022	6
						P11. Membru specialist contract de finanţare nr. 71-086 /2007, PN I- CNMPcu tema: „Tehnologie modernă de obţinere a straturilor fosfatate de înaltă porozitate pentru prelucrarea plastică volumică a pieselor din industria de automobile”, Valoare UTI 379455lei . **Durata 3 ani.** Director de proiect: Prof dr. ing. Bejinariu Costică, Sursa: Adeverinta UTI Nr 56418/19.07.2022.	6
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						P15. Membru specialist contract de finantare nr. 264/2008, proogram Inovare, cu tema Tehnologie de prelucrare in camp inductiv a pieselor auto usoare- valoare UTI 104000 lei. **Durata 2 ani**. Responsabil proiect Prof dr. ing. C. Baciu Sursa: Adeverinta UTI Nr 56418/19.07.2022.	4
						P16. Membru specialist proiect nr. 275 PN2-Inovare AMCSIT/2008 cu tema Tehnologia de realizare a pieselor auto metalice cu straturi superficiale modificate zonal, valoare UTI 20000 lei. **Durata 2 ani.** Director proiect Prof. dr.ing.: Baciu C, Sursa: Adeverinta UTI Nr 56418/19.07.2022.	4
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						P19. Membru specialist contract de finanţare nr. 191/2006 Program CeEx Modul 1; Denumirea proiectului: „Sistem automat pentru obţinerea piuliţelor olandeze din oţel prin extrudare indirectă la rece”. Valoare UTI 410000lei. **Durata 2 ani**. Director de proiect: prof. dr. ing Bejinariu Costică, Sursa: Adeverinta UTI Nr 56418/19.07.2022.	4
						P20. Membru specialist contract de finanţare nr. 179/2006, Program CeEx, Denumire proiect: ”Tehnologia de fabricaţie a membranelor arc-disc pentru ambreiaje auto prin tratamente termomecanice controlate pe linii tehnologice automatizate de călire cambrată” Valoare UTI 240000lei. **Durata 2 ani.** Responsabil proiect Prof dr. ing. C. Baciu, Sursa: Adeverinta UTI Nr 56418/19.07.2022.	4
						P21. Membru specialist contract de finantare nr.171/2006 proogram CeEx, cu tema Sistem expert pentru comanda sistemelor termice- valoare UTI 267000 lei. **Durata 2 ani.** Director Proiect .Prof. dr. ing.P. Vizureanu	4

						P22. Membru specialist proiect nr. 8/2005, program CeEx cu tema Cercetari privind realizarea de noi tehnologii de obtinere a sculelor de deformare plastica la rece tip stante,matrite, poansoane, dornuri de tragere, scule de laminare la rece, extrudare si a organelor de masini supuse la uzare - valoare UTI 337500 lei. **Durata 3 ani.** Coordonator proiect Prof dr. ing. C. Baciu, Sursa: Adeverinta UTI Nr 56418/19.07.2022.	6
						P23. Membru specialist contract de finanţare nr. 2136/13.10.2004 Program Relansin, Denumirea proiectului: "Tehnnologie moderna pentru obtinerea piulitelor olandeze din otel prin extrudare indirecta la rece" Valoare UTI 60000, **Durata 2 ani**. Director de proiect: Prof. dr. ing.C.Bejinariu, Sursa: Adeverinta UTI Nr 56418/19.07.2022.	4
						P24. Membru specialist proiect nr. 92/2006, program CeEx cu tema Dispozitiv de termostatare cu acuator pe baza de aliajcu memoria formei - valoare UTI 135000 lei. **Durata 2 ani.** Responsabil proiect Prof dr. ing. C. Baciu, Sursa: Adeverinta UTI Nr 56418/19.07.2022.	4
						P25. Membru specialist proiect nr. 180/2006, program CeEx cu tema Tehnologie de fabricatie a componentelor auto usoare (lagare, cuzineti, ax, bucsa, etc) din semifabricate bimetalice obtinute din faza lichida- valoare UTI 200000 lei. **Durata 2 ani**. Responsabil proiect Conf. dr. ing. A. Alexandru, Sursa: Adeverinta UTI Nr 56418/19.07.2022.	4
Total A2 (minimum 320) - Indeplinit 762.34							**763.46**
3	Recunoașterea și impactul activității (A3)	3.1 Citări in reviste cotate in ISI Thoson Reuters- Web of Science Core Colection (FI-factor de impact) si BDI (FI se refera la revista in care a fost publicat articolul care citeaza)	Se exclud autocitările tuturor co-autorilor; Lucrările citate: articol de revista, conferinţa, carte, teza, brevet inventie; Minimum 30 citari pentru Profesor/CSI in ISI Thomson Reuters-Web of science Core	3.1.1 ISI	5/nr. autori ptr. FI < 0,5; 10/nr. autori ptr. 0,5<=FI<1; 15/nr. autori ptr. 1<=FI<2; 20/nr. autori ptr. FI > 2; 30/nr. autori ptr FI>5	**Toma, S.L.,** Bejinariu, C., Baciu, R., Radu, S., The effect of frontal nozzle geometry and of gas pressure on the steel coating properties obtained by wire arc spraying, Surface and Coatings Technology (SURF COAT TECH), vol. 220, pp. 266-270, ISSN: 0257-8972, **I.F(2021): 4.865 >=1, prim autor**. WOS:000317875800044 Surse: http://apps.webofknowledge.com, http://dx.doi.org/10.1016/j.surfcoat.2012.11.011	
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		3.2. Prezentari invitate in plenul unor manifestari stiintifice nationale si internationale si Profesor invitat (exclusiv ERASMUS)			3.2.3 Profesor invitat	Invited Speaker la Congresul National de Neuroexcelență Iasi 2020. Document justificativ: https://2020.neuroexcelenta.ro/speakeri/	8
		3.3 Membru în colectivele de redacţie sau comitete ştiinţifice al revistelor şi manifestărilor ştiinţifice, organizator de manifestări ştiinţifice/ Recenzor pentru reviste şi manifestări ştiinţifice naţionale şi internaţionale indexate ISI		3.3.1 ISI	Editor/chair man -12	Guest Editor of Special Issue "Advances in Novel Coatings" - Coatings, MDPI journal, FI: 2.881	12
					Membru - 8	Topical Advisory Panel Member of Materials – Materials, MDPI journal, FI: 3.748	8
					Recenzor - 5	Recenzor revista Surface & Coatings Technology, Revista indexata ISI, IF(2021) = 4.865	5
						Recenzor revista Journal of Thermal Spray, Revista indexata ISI, IF(2021) = 2.757	5
						Recenzor revista Materials -MDPI, FI(2021)= 3.748	5
						Recenzor revista Coatings – MDPI, FI(2021)= 3.236	5
Criterii opționale							
		3.5 Premii		3.5.3 premii internaţionale	10	**1.Toma Stefan Lucian**, Savin Gabi, Toma Bogdan Florin, Bejinariu Costica, Ionita Iulian, Vizureanu Petrica, Badarau Gheorghe, Sandu Andrei Victor, Cazac Alin, Burduhos-Nergis Diana Petronela, - „Sistem de duze utilizat la metalizarea prin pulverizare termica in arc electric"– **Diploma de excelenta si medalii Pro Invent, *Salonul International al Cercetarii Stiintifice Inovarii si Inventicii Pro Invent -*** *Editia XVIII /22 Martie 2019*	10

						2.Toma Stefan Lucian, Savin Gabi, Toma Bogdan Florin, Bejinariu Costica, Ionita Iulian, Vizureanu Petrica, Badarau Gheorghe, Sandu Andrei Victor, Cazac Alin, Burduhos-Nergis Diana Petronela, - Nozzle system used for thermal spraying in electric arc - **Euroinvent Iasi, Romania /**Martie 2019 - ***Diploma and Gold Medal***	10
						3.Toma Stefan Lucian, Savin Gabi, Toma Bogdan Florin, Bejinariu Costica, Ionita Iulian, Vizureanu Petrica, Badarau Gheorghe, Sandu Andrei Victor, Cazac Alin, Burduhos-Nergis Diana Petronela - **Awards a Special Prize** as a sign of honor recognition and appreciation of scientific creativity and originality for Nozzle system used for thermal spraying in electric arc. Romanian Association for Alternative Technologies ARTA Sibiu	10
						4.Toma Stefan Lucian, Savin Gabi, Toma Bogdan Florin, Bejinariu Costica, Ionita Iulian, Vizureanu Petrica, Badarau Gheorghe, Sandu Andrei Victor, Cazac Alin, Burduhos-Nergis Diana Petronela. – **Great Prize** awarded by the Technical University of Cluj-Napoca for Nozzle system used for thermal spraying in electric arc – The 3rd edition of International Fair of Innovation and Creative Education ICE-US Cluj Napoca /2019	10
						5.Toma Stefan Lucian, Savin Gabi, Toma Bogdan Florin, Bejinariu Costica, Ionita Iulian, Vizureanu Petrica, Badarau Gheorghe, Sandu Andrei Victor, Cazac Alin, Burduhos-Nergis Diana Petronela - **The Best Leading Innovation Award** - for Nozzle system used for thermal spraying in electric arc – International Invention and Innovation Show INTARG2019, Katowice, Poland/8Jully2019	10
						6.Toma Stefan Lucian, Savin Gabi, Toma Bogdan Florin, Bejinariu Costica, Ionita Iulian, Vizureanu Petrica, Badarau Gheorghe, Sandu Andrei Victor, Cazac Alin, Burduhos-Nergis Diana Petronela. – **Silver Medal and Diploma** at International Invention and Innovation Show INTARG POLAND for pattent Nozzle system used for thermal spraying in electric arc **–** International Invention and Innovation Show INTARG POLAND/ 5Jully2019	10
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						8.Bogdan Mihnea CIUNTU, Dan Vasile TIMOFTE, Ion SANDU, Stefan Octavian GEORGESCU, Andrei GEORGESCU, Ciprian VASILUȚĂ Andrei Victor SANDU, Bogdan Florin TOMA, Stefan Lucian TOMA, Ioan Gabriel SANDU, Device and procedure for the treatment of perforation and rupture of the esophague, **Internationa Salon Euroinvent Iasi, Romania /**Mai 2020 - ***Diploma and Silver Medal*** ,	10

						9.Bogdan Mihnea CIUNTU, Dan Vasile TIMOFTE, Ion SANDU, Stefan Octavian GEORGESCU, Andrei GEORGESCU, Ciprian VASILUȚĂ Andrei Victor SANDU, Bogdan Florin TOMA, Stefan Lucian TOMA, Ioan Gabriel SANDU, Device and procedure for the treatment of perforation and rupture of the esophague, International Inventation Show ***Zagreb, Croatia– Inova 2020 ,– Gold Medal and Diploma.***	10
						10. Sandu I., Bejinariu C, Sandu I. G., Bejinariu A.G, Baciu C., Sandu A.V, Bejinariu M, **Toma St. L**, - Procedure for cleaning treatment of water and sub-products resulted from crystalline phosphatation – ***European exhibition* of creativity and innovation** – Iasi , Romania , Mai 2010 - ***Gold Medal.***	10
						11. Bejinariu C, Sandu I. G., Bejinariu A.G, Baciu C., Sandu A.V, Bejinariu M, **Toma St. L**, - Procedure for cleaning treatment of water and sub-products resulted from crystalline phosphatation – V- Mijnarodnii salon vinahodiv tehnologhi"novaie ceas" - "Stalii rozvimok nib ceas zmin" - **Sevastopol 2009** Ukraina - ***Diplom and Gold Medal.***	10
						12. Sandu I., Bejinariu C, Sandu I. G., Bejinariu A.G, Baciu C., Sandu A.V, Bejinariu M, **Toma St. L**, - Procedure for cleaning treatment of water and sub-products resulted from crystalline phosphatation – ***The XIV-th International Exhibition*** of research, innovation and technological transfer " Inventica 2010" , Iasi Romania – iunie 2010 ***- Diplom and Gold Medal***	10
						13. Sandu I., Bejinariu C, Sandu I. G., Bejinariu A.G, Baciu C., Sandu A.V, Bejinariu M, **Toma St. L**. – Procedeu de epurare a apelor uzate si a slamurilor rezultate la fosfatarea cristalina apieselor din fier – ***A 13 expozitie international de inventi***, cercetare siintifica si tehnologii noi – Inventika 2009 – Bucurest, Romania ***– Medalie de argint***	10
						14. Sandu I., Bejinariu C, Sandu I. G., Bejinariu A.G, Baciu C., Sandu A.V, Bejinariu M, **Toma St. L**. - Pastupako Obrade Cisecenja vode i nusproizvoda nastalhi kristalnom fosfatacijom – Croatia Inventation Show With International Participation – ***Inova 2009 , Zagreb, Croatia – Bronze Medal***	10
						15. Sandu I., Bejinariu C, Sandu I. G., Bejinariu A.G, Baciu C., Sandu A.V, Bejinariu M, **Toma St. L**. – Procedeu de denocivizare a apelor uzate si a subproduselor rezultate de la fosfatarea cristalina a pieselor metalice -***Salonul International al cercetarii, Inovarii si Inventicii –*** ed. VII, 2009 Cluj - Napoca ***– Diploma de Excelenta si Medalia de argint***	10
						16. Sandu I., Bejinariu C, Sandu I. G., Bejinariu A.G, Baciu C., Sandu A.V, Bejinariu M, **Toma St. L**. – Procedure for cleaning treatment of water and sub-products resulted from crystalline phosphatation - British Invention Award	10
		3.6 Membru în academii, organizaţii, asociaţii	3.6.4 Asociaţii profesionale	3.6.4.1 internaţionale	5	Membru European Thermal Spray Asociationa (ETSA)	5

		profesionale de prestigiu, naţionale şi internaţionale, apartenenţă la organizaţii din domeniul educaţiei şi cercetării		3.6.4.2 naţionale	2	Membru Asociația de Sudură din România ((legitimatie nr 1423))	2
						Asociatia Specialistilor si Expertilor pentru Securitate si Sanatate in Munca Iasi, Romania (ASESSM)	2
Total A3 (minim um 120) Indeplinit 493.3							**493.3**

Data:15.05.2023

Candidat Ștefan Lucian TOMA