

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
FACULTATEA DE ȘTIINȚA ȘI INGINERIA MATERIALELOR
DEPARTAMENTUL DE INGINERIA MATERIALELOR ȘI SECURITATE INDUSTRIALĂ

Concurs pentru ocuparea postului de **Conferențiar**, poz. 7

Disciplinele postului: Tehnici avansate de analiză termică 1,
Tehnici avansate de analiză termică 2,
Tehnici de analiză și caracterizare a materialelor

FIȘA DE VERIFICARE
a îndeplinirii standardelor minime naționale de prezentare la concurs pentru postul de
conferențiar universitar

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Candidat: LOHAN D.L. NICOLETA-MONICA / Data nașterii: 22.05.1980, Funcția actuală: Șef de lucrări, Data numirii în funcția actuală: 01.10.2014, Instituția:
UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

Data: 08.01.2024
Candidat Lohan Nicoleta Monica

Condiții minimale (Ai)					
Nr. Crt.	Categoria			Criteriu de îndeplinire	
	Domeniul de activitate	Condiții conferențiar	Punctaj obținut candidat		
1.	Activitatea didactică /profesională (A1)	Minim 30 puncte	74,96	250 %	Îndeplinit
2	Activitatea de cercetare (A2)	Minim 160 puncte	1142,49	710 %	Îndeplinit
3.	Recunoașterea impactului activității (A3)	Minim 60 puncte	502.35	830 %	Îndeplinit
Total		250 puncte	1720.8	680 %	Îndeplinit

Condiții minimale obligatorii pe subcategorii		Necesar	Realizat
A1	1.1. Cărți și capitole în cărți de specialitate în edituri recunoscute 1.1.1. Cărți/ capitole ca autor 1.1.1.2. Naționale: pentru conferențiar minim 1	1	1
	1.2. Suport didactic 1.2.1. Manuale didactice, monografii, inclusiv electronice: pentru conferențiar minim 1	1	2
A2	2.1. Articole în reviste cotate ISI Thomson Reuters-Web of Science Core Collection [FI – Factor de impact] și în volume indexate în specificul postului scos la concurs [2] 2.1.2. Minim 10 articole pentru Conferențiar din care minim 5 în reviste cotoate ISI din care în minim 3 cu FI de min. 1 și min. 2 ca autor principal cu FI min. 0,5 [3]	10	54 9 în zona roșie – Q1, 6 în zona galbenă – Q2, 2 articole cu FI>10, 5 articole cu FI>5, 7 articole 5<FI≤3, 5 articole cu 3<FI≤2, 6 articole prim autor (2 cu FI>4, 2 cu FI>2, 2 cu FI>0.5)
	2.4. Granturi/proiecte de cercetare câștigate prin competiție/ Contracte cu agenți economici minim 10.000 echivalent Euro, încasați 2.4.1. Director/responsabil partener: minim 1 pentru conferențiar	1	1
A3	3.1. Citări în reviste cotate ISI Thomson Reuters-Web of Science Core Collection [FI – Factor de impact] și în alte BDI Minim 15 citări pentru Conferențiar, în ISI Thomson Reuters-Web of Science Core Collection și SCOPUS	15	253

Nr. crt	Dom. Activ.	Tipul activităților Categorii și restricții Subcategorii	Indicatori (kpi)
1	Activitatea didactică și profesională (A1)	<p>1.1. Cărți și capitole în cărți de specialitate în edituri recunoscute</p> <p>1.1.1. Cărți/ capitole ca autor</p> <p>1.1.1.1. Internaționale</p> <p>1.1.1.1.1. L. G. Bujoreanu, B. Pricop, N.-M. Lohan, M. G. Suru, B. Istrate, Capitol de carte: Structural and Chemical Variations Induced by Thermomechanical Cycling in Shape Memory Actuators, în: Marimuthu M. et al. (Eds) Frontiers in Materials Processing, Applications, Research and Technology, Springer, Singapore. https://doi.org/10.1007/978-981-10-4819-7_7, Print ISBN 978-981-10-4818-0, Published 14 November 2017</p> <p style="text-align: center;">$12/(2*5)=1,2$</p> <p>1.1.1.1.2. N.-M. LOHAN, L.-G. BUJOREANU, Capitol de carte: Development of experimental CuZnAl-based shape memory actuators, Research and Innovation in Advanced Engineering Materials, M. Naito, A. Buchacz, A. Baier, P. Topala, D. Nedelcu (Eds.) ModTech Publishing House, Iași, 2019, pp. 78-92, ISBN 978-606-93704-5-2</p> <p style="text-align: center;">$15/(2*2)=3,75$</p>	Nr.pagini/ (2 * nr.aut.)
		<p>1.1.1.2. Naționale; din care [1] conferențiar minim 1</p> <p>1.1.1.2.1. V.V. Moldoveanu, N.M. Lohan – <i>Ingineria calității produselor metalurgice.</i>, Editura Tehnopress, 17x24cm, 187 pg., 2010, ISBN 978-973-702-758-0</p> <p style="text-align: center;">$187/(5*2)=18,7$</p>	Nr.pagini/ (5 * nr.aut.)

Nr. crt	Dom. Activ.	Tipul activităților Categorii și restricții Subcategorii	Indicatori (kpi)
		<p>1.2. Suport didactic</p> <p>1.2.1. Manuale didactice, monografii, inclusiv electronice: pentru conferențiar minim 1</p> <p>1.2.1.1. M.-N. Lohan, Curs <i>Știința și ingineria materialelor metalice II</i>, publicat online în cadrul "Proiectului de finalizare a programului de formare – DidaTec", 94 pagini, 2014, http://www.didatec.ro/sites/uti/stiintasiingineriamaterialelormetaliceii635078492697805105</p> <p style="text-align: center;">$94/10=9.4$</p> <p>1.2.1.2. C. Baci, M.-N. Lohan, E. Matcovschi, D.-P. Burduhos-Nergiş, Mihai Popa, <i>Știința și ingineria materialelor. Noțiuni generale-parte I</i>, Editura Performantica, Iași, 2022, 18x26cm, 120 pag. ISBN 978-606-685-911-0</p> <p style="text-align: center;">$120/(5*5)=4.8$</p> <p>1.2.1.3. M.N. Lohan, Tehnici de analiză și caracterizare a materialelor, 2022, format electronic, https://sim.tuiasi.ro/wp-content/uploads/2023/12/Curs-TACM_2022.pdf</p> <p style="text-align: center;">$346/(10*1)=34.6$</p> <p>1.2..2. Îndrumătoare de laborator. Aplicații</p> <p>1.2.1.2.1. C. BEJENARIU, I. MĂLUREANU, A. FLORESCU, V.V. MOLDOVEANU, D. GHEORGHIU, ȘT. L. TOMA, M. LOHAN, Tehnologia Materialelor – Lucrări practice, Editura Tehnopress, 17x24cm, 200 pg., 2008, ISBN 973-702-522-9</p> <p style="text-align: center;">$200/(20*7)=1,42$</p> <p>1.2.1.2.2. C. BEJINARIU, I RUSU, S L. TOMA, M. N. LOHAN, <i>Ingineria materialelor metalice. Aplicatii practice</i>, 17x24cm, Editura PIM, 203 pg., 2011, ISB 978-606-13-0190-4</p> <p style="text-align: center;">$203/(20*4)=2,53$</p> <p>1.2.1.2.3. I. RUSU, N.-M. LOHAN– <i>Termodinamica sistemelor de aliaje. Aplicații</i>, Editura PIM, 17x24cm, 124. Pag., 2014, ISBN 978-606-13-1910-7</p> <p style="text-align: center;">$124/(20*2)=3,1$</p>	Nr.pagini/ (10 * nr.aut.)

Nr. crt	Dom. Activ.	Tipul activităților Categorii și restricții Subcategorii	Indicatori (kpi)
		<p>1.2.1.2.4. N.-M. LOHAN, B. PRICOP, L. G. BUJOREANU, <i>Tehnici avansate de analiză termică. Îndrumar de laborator</i>. Ed. Performantica, 18x26cm, 138 pag., 2020, ISBN 978-606-685-736-9</p> <p style="text-align: center;">$138/(20*3)=2,3$</p> <p>1.2.1.2.5. D. A. GHEORGHIU, M.A. BERNEVIG, E. MATCOVSCHI, M. N. LOHAN, A. M. CAZAC, M. POPA, <i>Lucrări practice de sudură. Îndrumar pentru laborator</i>, Editura PIM, 2021, 17x24cm, 199 pag. ISBN 978-606-13-6103-8</p> <p style="text-align: center;">$199/(20*6)=1,65$</p> <p>1.2.1.2.6. C. BEJENARIU, I. MĂLUREANU, V.V. MOLDOVEANU, ȘT. L. TOMA, D. A. GHEORGHIU, N.M. LOHAN, A. CORĂBIERU, A.M. CAZAC, D.P. BURDUHOS NERGIȘ, <i>Tehnologia Materialelor. Știința și Ingineria materialelor – Lucrări practice</i>, 344 pag, 17x24cm, Ed. Tehnopress, 2022, ISBN 978-606-687-500-4</p> <p style="text-align: center;">$344/(20*9)=1,91$</p> <p>2.1. Articole în reviste cotate ISI Thomson Reuters-Web of Science Core Collection [FI – Factor de impact] și în volume indexate în specificul postului scos la concurs [2]</p> <p>2.1.2. Minim 10 articole pentru Conferențiar din care minim 5 în reviste cotoate ISI din care în minim 3 cu FI de min. 1 și min. 2 ca autor principal cu FI min. 0,5 [3]</p> <p>2.1.2.1. L. G. Bujoreanu, N. M. Lohan, B. Pricop; N. Cimpoeșu, <i>Thermal memory degradation in a Cu-Zn-Al shape memory alloy during thermal cycling with free air cooling</i>, Journal of Materials Engineering and Performance (Q3), Volume 20, Issue 3, Page 468-475, DOI10.1007/s11665-010-9702-5, Published APR 2011, Indexed 2011-04-01, Document Type: Article, Language English, Accession Number WOS:000288458500021, ISSN 1059-9495, impact factor 2022: 2,3</p> <p style="text-align: center;">$(50*2,3)/4=28,75$</p>	Nr.pagini/ (20 * nr.aut.)

Nr. crt	Dom. Activ.	Tipul activităților Categorii și restricții Subcategorii	Indicatori (kpi)
2	Activitatea de cercetare (A2)	<p>2.1.2.2. B. Pricop, U. Söyler, N. M. Lohan, B.Özkal, D. Chicet, A. David, L.-G. Bujoreanu, <i>Mechanical alloying effects on the thermal behaviour of a Fe-Mn-Si-Cr-Ni shape memory alloy under powder form</i>, Optoelectronics and Advanced Materials - Rapid Communication, Volume 5, Issue: 5-6, Page 555-561, Published May 2011, Indexed 2011-05-01, Document Type: Article, Language English, Accession Number WOS: 000292891400018, ISSN 1842-6573, impact factor 2022: 0.5</p> <p>$(50 \cdot 0,5)/7=3,57$</p> <p>2.1.2.3. N. M. Lohan, B. Pricop, L.-G. Bujoreanu, N. Cimpoeșu <i>Heating rate effects on reverse martensitic transformation in a Cu-Zn-Al shape memory alloy</i>, International Journal of Materials Research – Volume 1026, Issue: 11, Page 1345-1351, DOI10.3139/146.110595, Published Nov 2011, Indexed 2011-11-01, Document Type: Article, Language English, Accession Number WOS: 000297955000005, ISSN 1862-5282, impact factor 2022: 0.8</p> <p>$(50 \cdot 0,8)/4=10$</p> <p>2.1.2.4. I. Cimpoeșu, S. Stanciu, V. Goanță, D. C. Achiței, N. M. Lohan, B. Constantin, <i>Thermo-elastic response of a NiTi SMA at compression solicitation</i>, Optoelectronics and Advanced Materials – Rapid Communications, Volume 6, Issue: 5-6, Page 627-630, Published May-Jun 2012, Indexed 2012-08-22, Document Type: Article, Language English, Accession Number WOS: 000306577000024, ISSN 1842-6573, impact factor 2022: 0.5</p> <p>$(50 \cdot 0,5)/6=4,16$</p> <p>2.1.2.5. N. M. Lohan, L. G. Bujoreanu, C. Baci, <i>Influence of temperature variation rate on calorimetric response during heating and on martensite structure obtained after subsequent cooling of a Cu-Zn-Al shape memory alloy</i>, Micro & Nano Letters, Volume 7, Issue: 6, Page 540-543, DOI: 10.1049/mnl.2012.0049, Published Jun 2012, Indexed 2012-06-01, Document Type: Article, Language English, Accession Number WOS: 000306006400011, ISSN 1750-0443, impact factor 2022: 1.3</p> <p>$(50 \cdot 1,3)/3=21,66$</p>	<p>50 * X nr. autori; pentru reviste X = factorul de impact al revistei; pentru acricole în volume X=0,1</p>

Nr. crt	Dom. Activ.	Tipul activităților Categorii și restricții Subcategorii	Indicatori (kpi)
2	Activitatea de cercetare (A2)	<p>2.1.2.6. L.G. Bujoreanu, N. M. Lohan, B. Pricop, N. Cimpoesu, On role of atomic migration in amnesia occurrence during complex thermal cycling of Cu-Zn-Al shape memory alloy, Materials Science and Technology (Q3), Volume 28, Issue: 6, Page 658-667, DOI: 10.1179/1743284711Y.0000000099, Published Jun 2012, Indexed 2012-06-01, Document Type: Article, Language English, Accession Number WOS:000304824100004, ISSN 0267-0836, impact factor 2022: 1.8</p> <p>$(50 \cdot 1,8)/4=22,5$</p> <p>2.1.2.7. B. Pricop, U. Soyler, N. M. Lohan, B. Ozkal, L.G. Bujoreanu, D. Chicet, C. Munteanu, <i>Thermal behavior of mechanically alloyed powders used for producing an Fe-Mn-Si-Cr-Ni shape memory alloy</i>, Journal of Materials Engineering and Performance (Q3), Volume 21, Issue: 11, Page 2407-2416, DOI: 10.1007/s11665-012-0168-5, Published Nov 2012, Indexed 2012-11-01, Document Type: Article, Language English, Accession Number WOS:000310085800024, ISSN 1059-9495, impact factor 2022: 2.3</p> <p>$(50 \cdot 2,3)/7=16.42$</p> <p>2.1.2.8. G. Vitel, M.Suru, A. Parachiv, N. M. Lohan, B. Pricop, M. Baci, L.G. Bujoreanu, <i>Structural effects of training cycles in shape memory actuators for temperature control</i>, Materials and Manufacturing Processes (Q2), Volume 28, Issue: 1, Page 79-84, DOI: 10.1080/10426914.2012.700157, Published 2012, Indexed 2012-01-01, Document Type: Article, Language English, Accession Number WOS:000313416700015, ISSN 1042-6914, impact factor 2022: 4.8</p> <p>$(50 \cdot 4,8)/7=34,28$</p> <p>2.1.2.9. I. P. Spiridon, B. Pricop, M. G. Suru, A. L. Paraschiv, N. M. Lohan, L-G. Bujoreanu, <i>The influence of heat treatment atmosphere and maintaining period on the homogeneity degree of a Fe-Mn-Si-Cr-Ni shape memory alloy obtained through powder metallurgy</i>, Journal of Optoelectronics and Advanced Materials, Volume 15, Issue: 7-8, Page 781-784, Published JUL-AUG 2013, Indexed 2013-07-01, Document Type: Article, Language English, Accession Number WOS:000323397900023, ISSN 1454-4164, impact factor 2022: 0.5</p> <p>$(50 \cdot 0,5)/6=4,16$</p> <p>2.1.2.10. A.-L. Paraschiv, F. Borza, N. Lupu, M.-G. Suru, N. M. Lohan, B. Pricop, I.-P. Spiridon, L.-G. Bujoreanu, <i>On some structural characteristics of Fe-base shape memory alloys</i>, Journal of Optoelectronics and Advanced Materials Volume 15, Issue: 7-8, Page 781-784, Published JUL-AUG 2013, Indexed 2013-07-01, Document Type: Article, Language English, Accession Number WOS: 000323397900032, ISSN 1454-4164, impact factor 2022: 0.5</p> <p>$(50 \cdot 0,5)/8=3,12$</p> <p>2.1.2.11. D. Nedelcu, C. Ciufu, N. M. Lohan, <i>Microindentation and differential scanning calorimetry of "liquid wood"</i>, Composites Part B: Engineering (Q1), Volume 55, Page 11-15, DOI 10.1016/j.compositesb.2013.05.024, Published Dec 2013, Indexed 2013-11-07, Document Type: Article, Language English, Accession Number WOS: 000325301900003, ISSN 1359-8368, impact factor 2022: 13.1</p> <p>$(50 \cdot 13.1)/3=218.33$</p>	<p>50 * X nr. autori; pentru reviste X = factorul de impact al revistei; pentru articole în volume X=0,1</p>

Nr. crt	Dom. Activ.	Tipul activităților Categorii și restricții Subcategorii	Indicatori (kpi)
2	Activitatea de cercetare (A2)	<p>2.1.2.12. M.G. Suru, I. Dan, N.M. Lohan, A.L. Paraschiv, B. Pricop, I.P. Spiridon, C. Baci, L.G. Bujoreanu, <i>Effects of hot working procedure on surface relief characteristic in an Fe-Mn-Si-Cr shape memory alloy</i>, Materialwissenschaft und Werkstofftechnik, Volume 45, Issue 1, Page 44-50, DOI10.1002/mawe.201400190, Published Jan 2014, Indexed 2014-01-01, Document Type: Article, Language English, Accession Number WOS: WOS:000331377200006, eISSN 1521-4052, impact factor 2022: 1.1</p> <p>$(50 \cdot 1.1) / 8 = 6.87$</p> <p>2.1.2.13. B. Pricop, B. Özkal, U. Söyler, J. VAN Humbeeck, N. M. Lohan, M. G. Suru, L.-G. Bujoreanu, <i>Influence of mechanically alloyed fraction and hot rolling temperature in the last pass on the structure of Fe-14Mn-6Si-9Cr-5Ni (mass. %) shape memory alloys processed by powder metallurgy</i>, Optoelectronics and Advanced Materials – Rapid Communications, Volume 8, Issue 3-4, Page 247-250, Published MAR-APR 2014, Indexed 2014-03-01, Document Type: Article, Language English, Accession Number WOS: 000335200600016, eISSN 2065-3824, impact factor 2022: 0.5</p> <p>$(50 \cdot 0.5) / 7 = 3.57$</p> <p>2.1.2.14. M.G. Suru, A.L. Paraschiv, N.M. Lohan, B. Pricop, B. Ozkal, L.-G. Bujoreanu <i>Loading mode and environment effects on surface profile characteristics of martensite plates in Cu-based SMAs</i>, Journal of Materials Engineering and Performance (Q3), Volume 23, Issue 7, Page 2669-2676, Special Issue SI, DOI: 10.1007/s11665-014-0951-6, Published Jul 2014, Indexed 2014-07-01, Document Type: Article, Language English, Accession Number WOS: 000339010700055, eISSN 1544-1024, impact factor 2022: 2.3</p> <p>$(50 \cdot 2.3) / 6 = 19.16$</p> <p>2.1.2.15. N.-M. Lohan, M.-G. Suru, B. Pricop, and L.-Gh. Bujoreanu, <i>Cooling rate effects on the structure and transformation behavior of Cu-Zn-Al shape memory alloys</i>, International Journal of Minerals, Metallurgy and Materials (Q1), Vol Volume 21, Issue 11, Page 1109-1114, DOI: 10.1007/s12613-014-1015-5, Published Nov 2014, Indexed 2014-11-01, Document Type: Article, Language English, Accession Number WOS: 000344744500008, eISSN 1869-103X, impact factor 2022: 4.8</p> <p>$(50 \cdot 4.8) / 4 = 60$</p> <p>2.1.2.16. M-G. Suru, N.M. Lohan, B. Pricop, I.P. Spiridon, E. Mihalache, R.I. Comaneci and L-G. Bujoreanu, <i>Structural effects of high-temperature plastic deformation process on martensite plate morphology in a Fe-Mn-Si-Cr SMA</i>, Int. J. Materials and Product Technology, Volume 50, Issue 3-4, Page 367-375, DOI: 10.1504/IJMPT.2015.068534, Published 2015, Indexed 2015-01-01, Document Type: Article, Language English, Accession Number WOS: 000352845500006, eISSN 1741-5209, impact factor 2022: 0.5</p> <p>$(50 \cdot 0.5) / 7 = 3.57$</p> <p>2.1.2.17. L. G. Bujoreanu, R. I. Comănesci, G. Gurău, N. M. Lohan, M. G. Suru, B. Pricop, V. Goanță, V. Mușat, B. Istrate, E. Mihalache, <i>Thermomechanical training effects of multifunctional modules processed by high-speed high pressure torsion</i>, Indian Journal of Engineering & Materials Sciences, Volume 22, Issue 4, Page 367-375, Published Aug 2015, Indexed 2015-08-01, Document Type: Article, Language English, Accession Number WOS: 000363078700001, eISSN 0975-1017, impact factor 2022: 0.9</p> <p>$(50 \cdot 0.9) / 10 = 4.5$</p>	50 * X nr. autori; pentru reviste X = factorul de impact al revistei; pentru articole în volume X=0,1
Formular PO.D	D.10-F5.3.1		

Nr. crt	Dom. Activ.	Tipul activităților Categorii și restricții Subcategorii	Indicatori (kpi)
2	Activitatea de cercetare (A2)	<p>2.1.2.18. E. Mihalache, F. Borza, N. Lupu, N. M. Lohan, B. Pricop, M.-G. Suru, L.-G. Bujoreanu, <i>Thermomechanical processing effects on the martensitic transformation in Fe-based SMAs</i>, Journal of Optoelectronics and Advanced Materials, Volume 17, Issue 9-10, Page 1344-1347, Published SEP-OCT 2015, Indexed 2015-09-01, Document Type: Article, Language English, Accession Number WOS: 000364600400019, eISSN 1841-7132, impact factor 2022: 0.5</p> <p>$(50 \cdot 0,5)/7=3,57$</p> <p>2.1.2.19. L.-G. Bujoreanu, N. M. Lohan, M.-G. Suru, A. Plesca, <i>Thermal analysis of eutectic alloy at HBC fuses</i>, Journal of Optoelectronics and Advanced Materials Volume 17, Issue 9-10, Page 1500-1506, Published SEP-OCT 2015, Indexed 2015-09-01, Document Type: Article, Language English, Accession Number WOS: 000364600400043, eISSN 1841-7132, impact factor 2022: 0.5</p> <p>$(50 \cdot 0,5)/4=6,25$</p> <p>2.1.2.20. N. M. Lohan, E. Mihalache, B. Pricop, M.G. Suru, L.G. Bujoreanu, <i>A study of R-phase transition and temperature memory effect in a commercial Nitinol wire</i>, Journal of Optoelectronics and Advanced Materials, Volume 17, Issue 9-10, Page 1431-1436, Published SEP-OCT 2015, Indexed 2015-09-01, Document Type: Article, Language English, Accession Number WOS: 000364600400032, eISSN 1841-7132, impact factor 2022: 0.5</p> <p>$(50 \cdot 0,5)/5=5$</p> <p>2.1.2.21. B. Pricop, B. Özkal, U. Söyler, J. Van Humbeeck, N. M. Lohan, M.-G. Suru, I.-P. Spiridon, and L.-G. Bujoreanu, <i>Structural changes caused by high-temperature holding of powder shape memory alloy 66%Fe–14%Mn–6%Si–9%Cr–5%Ni</i>, Metal Science and Heat Treatment, Volume 57, Issue 9-10, Page 553-558, DOI 10.1007/s11041-016-9921-y, Published Jan 2016, Indexed 2016-01-01, Document Type: Article, Language English, Accession Number WOS: 000370790400007, eISSN 1573-8973, impact factor 2022: 0.6</p> <p>$(50 \cdot 0,6)/8=3,75$</p> <p>2.1.2.22. I.-P. Spiridon, N.-M. Lohan, M.-G. Suru, E. Mihalache, L.-G. Bujoreanu, B. Pricop, <i>A study of free recovery in A Fe – Mn – Si – Cr shape memory alloy</i>, Metal Science and Heat Treatment, Volume 57, Issue 9-10, Page 548-552, DOI 10.1007/s11041-016-9920-z, Published Jan 2016, Indexed 2016-01-01, Document Type: Article, Language English, Accession Number WOS: 000370790400006, eISSN 1573-8973, impact factor 2022: 0.6</p> <p>$(50 \cdot 0,6)/6=3,53$</p> <p>2.1.2.23. M.-G. Suru, N.-M. Lohan, B. Pricop, E. Mihalache, M. Mocanu, L.-G. Bujoreanu, <i>Precipitation Effects on the Martensitic Transformation in a Cu-Al-Ni Shape Memory Alloy</i>, Journal of Materials Engineering and Performance (Q3), Volume 25, Issue 4, Page 1562-1569, DOI 10.1007/s11665-016-1981-z, Published Apr 2016, Indexed 2016-04-01, Document Type: Article, Language English, Accession Number WOS: 000373850700033, eISSN 1544-1024, impact factor 2022: 2.3</p> <p>$(50 \cdot 2,3)/6=19.16$</p>	<p>50 * X nr. autori; pentru reviste X = factorul de impact al revistei; pentru articole în volume X=0,1</p>

Nr. crt	Dom. Activ.	Tipul activităților Categorii și restricții Subcategorii	Indicatori (kpi)
2	Activitatea de cercetare (A2)	<p>2.1.2.24. G. Vitel, B. Pricop, M.G. Suru, N.M. Lohan, L.G. Bujoreanu; <i>Study of Temperature Memory Effect During the Thermal Cycling in Hydraulic Systems</i>, Journal of Testing And Evaluation (Q3), Volume 44, Issue 4, Page 1525-1534, DOI 10.1520/JTE20140138, Published Jul 2016, Indexed 2016-09-28, Document Type: Article, Language English, Accession Number WOS: 000382229500005, eISSN 1945-7553, impact factor 2022: 1.2</p> <p>$(50 \cdot 1,2)/5=12$</p> <p>2.1.2.25. D. Nedelcu, N.M. Lohan, I. Volf, R.I. Comănești, <i>Thermal behaviour and stability of the Arboform (R) LV3 nature liquid wood</i>, Composites Part. B (Q1), Volume 103, Page 84-89, DOI 10.1016/j.compositesb.2016.08.023, Published OCT 15 2016, Indexed 2016-10-12, Document Type: Article, Language English, Accession Number WOS: 000383936200009, eISSN 1879-1069, impact factor 2022: 13.1</p> <p>$(50 \cdot 13.1)/4=163.75$</p> <p>2.1.2.26. M.G. Suru, N.M.Lohan, E. Mihalache, B. Pricop, M. Mocanu, L.G. Bujoreanu, <i>AFM Evaluation of Pre-Straining Degree Effects on the Dimensions of Stress Induced Martensite Plates in Fe-Mn-Si Based SMAs</i>, Journal of Testing and Evaluation (Q3) , Volume 45, Issue 2, Page 419-427, DOI 10.1520/JTE20150435, Published Mar 2017, Indexed 2017-04-12, Document Type: Article, Language English, Accession Number WOS: 000398087400008, eISSN 1945-7553, impact factor 2022: 1.2</p> <p>$(50 \cdot 1,2)/6=10$</p> <p>2.1.2.27. N.M.Lohan, P. Bogdan, B. Lucian, L. G. Bujoreanu, <i>Using DSC for the detection of diffusion-controlled phenomena in Cu-based shape memory alloys</i>, Journal of Thermal Analysis and Calorimetry (Q1), Volume 131, Issue 1, Page 215-244, DOI 10.1007/s10973-016-5926-4, Published Jan 2018, Indexed 2018-12-28, Document Type: Article, Language English, Accession Number WOS: 000419786700024, eISSN 1588-2926, impact factor 2022: 4.4</p> <p>$(50 \cdot 4,4)/4=55$</p> <p>2.1.2.28. N. Cimpoesu, E. Mihalache, N.-M. Lohan, M.-G. Suru, R. I. Comănești, B. Özkal, L.-G. Bujoreanu, B. Pricop, <i>Structural-morphological fluctuations induced by thermomechanical treatment in a Fe – Mn – Si shape memory alloy</i>, Metal Science and Heat Treatment, Volume 60, Issue 7-8, Page 471-477, DOI 10.1007/s11041-018-0303-5, Published Nov 2018, Indexed 2019-02-25, Document Type: Article, Language English, Accession Number WOS: 000456473300011, eISSN 1573-8973, impact factor 2022: 0.6</p> <p>$(50 \cdot 0,6)/8=3,47$</p> <p>2.1.2.29. Bernevig-Sava, M.-A., Darabont, D.C., Lohan, M., Mihalache, E., Bejinariu, C., <i>Selection and verification of personal protective equipment in the context of current legal requirements</i> , Quality - Access to Success, Volume 20, Page 109-112, Published Jan 2019, Indexed 2019-03-07, Document Type: Article, Language English, Accession Number WOS: 000459686300019, ISSN 1582-2559, impact factor 2022: 0.6</p> <p>$(50 \cdot 0,6)/5=6$</p>	50 * X nr. autori; pentru reviste X = factorul de impact al revistei; pentru articole în volume X=0,1

2	Activitatea de cercetare (A2)	<p>2.1.2.30. Lohan N.M., Pricop B., Popa M., Matcovschi E., Cimpoeșu N., Cimpoeșu R., Istrate B., Bujoreanu L.G., <i>Hot Rolling Effects on the Microstructure and Chemical Properties of NiTiTa Alloys</i>, Journal of Materials Engineering and Performance (Q3), Volume 28, Issue 12, Page 7273-7280, DOI 10.1007/s11665-019-04473-6, Published Dec 2019, Indexed 2020-01-28, Document Type: Article, Language English, Accession Number WOS: 000507536600010, eISSN 1544-1024, impact factor 2022: 2,3</p> <p style="text-align: center;">$(50 \times 2.3) / 8 = 14.37$</p> <p>2.1.2.31. D. Nedelcu, S.-N. Mazurchevici, R.-I. Popa, N.-M. Lohan, D. Maldonado-Cortés, C. Carausu, <i>Tribological and Dynamical Mechanical Behavior of Prototyped PLA-Based Polymers</i>, Materials (Q2), Volume 13, Issue 16, Article Number 3615, DOI 10.3390/ma13163615, Published Aug 2020, Indexed 2020-09-15, Document Type: Article, Language English, Accession Number WOS: 000564753600001, eISSN 1996-1944, impact factor 2022: 3.4</p> <p style="text-align: center;">$(50 \times 3.4) / 6 = 28.33$</p> <p>2.1.2.32. S-N. Mazurchevici, J.G. Motas, M. Diaconu, G. Lisa, N.M. Lohan, M. Glod, D. Nedelcu, <i>Nanocomposite Biopolymer Arboblend V2 Nature AgNPs</i>, Polymers (Q1), Volume 13, Issue 17, Article Number 2932, DOI 10.3390/polym13172932, Published Sep 2021, Indexed 2021-09-18, Document Type: Article, Language English, Accession Number WOS: 000694315100001, eISSN 2073-4360, impact factor 2022: 5</p> <p style="text-align: center;">$(50 \times 5) / 7 = 35.71$</p> <p>2.1.2.33. A. M. Roman, V. Geantă, R. Cimpoeșu, C. Munteanu, N. M. Lohan, G. Zegan, E. R. Cernei, I. Ioniță, N. Cimpoeșu, N. Ioanid, <i>In-Vitro Analysis of FeMn-Si Smart Biodegradable Alloy</i>, Materials (Q2), Volume 15, Issue 2, Article Number 568, DOI 10.3390/ma15020568, Published Jan 2022, Indexed 2022-02-06, Document Type: Article, Language English, Accession Number WOS: 000748150300001, eISSN 1996-1944, impact factor 2022: 3.4</p> <p style="text-align: center;">$(50 \times 3.4) / 10 = 17$</p> <p>2.1.2.34. Pricop, B.; Sava, Ș.D.; Lohan, N.-M.; Bujoreanu, L.-G. <i>DMA Investigation of the Factors Influencing the Glass Transition in 3D Printed Specimens of Shape Memory Recycled PET</i>. Polymers (Q1), Volume 14, Issue 11, Article Number 2248, DOI 10.3390/polym14112248, Published Jun 2022, Indexed 2022-06-20, Document Type: Article, Language English, Accession Number WOS: 000808764300001, eISSN 2073-4360, impact factor 2022: 5</p> <p style="text-align: center;">$(50 \times 5) / 4 = 62.50$</p> <p>2.1.2.35. Popa M, Lohan N-M, Pricop B, Cimpoeșu N, Porcescu M, Comănesci RI, Cazacu M, Borza F, Bujoreanu L-G. <i>Structural-Functional Changes in a Ti₅₀Ni₄₅Cu₅ Alloy Caused by Training Procedures Based on Free-Recovery and Work-Generating Shape Memory Effect</i>. Nanomaterials (Q1), Volume 12, Issue 12, Article Number 2088, DOI 10.3390/nano12122088, Published Jun 2022, Indexed 2022-07-03, Document Type: Article, Language English, Accession Number WOS: 000816628600001, eISSN 2079-4991, impact factor 2022: 5.3</p> <p style="text-align: center;">$(50 \times 5.3) / 9 = 29.44$</p>	50 * X nr. autori; pentru reviste X = factorul de impact al revistei; pentru acricole în volume X=0,1
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2	Activitatea de cercetare (A2)	<p>2.1.2.36. A.-M. Roman, I. Voiculescu, R. Cimpoeșu, B. Istrate, R. Chelariu, N. Cimpoeșu, G. Zegan, C. Panaghie, N. M. Lohan, M. Axinte, A. M. Murariu, <i>Microstructure, Shape Memory Effect, Chemical Composition and Corrosion Resistance Performance of Biodegradable FeMnSi-Al Alloy</i>, Crystals (Q2), Volume 13, Issue 1, Article Number 109, DOI 10.3390/cryst13010109, Published Jan 2023, Indexed 2023-02-05, Document Type: Article, Language English, Accession Number WOS: 000917018500001, eISSN 2073-4352, impact factor 2022: 2.7</p> <p style="text-align: center;">$(50 \times 2,7) / 11 = 12,27$</p> <p>2.1.2.37. Popa, M.; Popa, F.; Pricop, B.; Cimpoeșu, N.M. Lohan, N.-M.; Kicsi, G.; Istrate, B.; Bujoreanu, L.-G. <i>Heat Treatment and Dynamic Mechanical Analysis Strain Sweep Effects on the Phase Structure and Morphology of an Fe-28Mn-6Si-5Cr Shape Memory Alloy</i>. Nanomaterials (Q1), Volume 16, Issue 8, Article Number 3092, DOI 10.3390/ma16083092, Published Apr 2023, Indexed 2023-05-11, Document Type: Article, Language English, Accession Number WOS: 000977008300001, eISSN 2079-4991, impact factor 2022: 5.3</p> <p style="text-align: center;">$(50 \times 5.3) / 8 = 33.12$</p> <p>2.1.2.38. Panaghie, C.; Zegan, G.; Sodor, A.; Cimpoeșu, N.M. Lohan, N.-M.; Istrate, B.; Roman, A.-M.; Ioanid, N. <i>Analysis of Degradation Products of Biodegradable ZnMgY Alloy</i>. Materials (Q2), Volume 13, Issue 7, Article Number 1250, DOI 10.3390/nano13071250, Published Apr 2023, Indexed 2023-04-28, Document Type: Article, Language English, Accession Number WOS: 000977008300001, eISSN 1996-1944, impact factor 2022: 3.4</p> <p style="text-align: center;">$(50 \times 3.4) / 8 = 21,25$</p> <p>2.1.2.39. Sava, Ș.-D.; Lohan, N.-M.; Pricop, B.; Popa, M.; Cimpoeșu, N.; Comănești, R.-I.; Bujoreanu, L.-G. <i>On the Thermomechanical Behavior of 3D-Printed Specimens of Shape Memory R-PETG</i>. Polymers (Q1), Volume 15, Issue 10, Article Number 2378, DOI 10.3390/polym15102378, Published MAY 19 2023, Indexed 2023-07-14, Document Type: Article, Language English, Accession Number WOS: 000998066100001, eISSN 2073-4360, impact factor 2022: 5</p> <p style="text-align: center;">$(50 \times 5) / 7 = 35,17$</p> <p>2.1.2.40. Roman, AM., Cimpoesu, R., Pricop, B., Lohan, NM., Cazacu, MM., Bujoreanu, LG., Panaghie, C., Zegan, G., Cimpoesu, N., Murariu, AM., <i>Influence of Dynamic Strain Sweep on the Degradation Behavior of FeMnSi-Ag Shape Memory Alloys</i>, JOURNAL OF FUNCTIONAL BIOMATERIALS (Q2), Volume 14, Issue 7, Article Number 377, DOI 10.3390/jfb14070377, Published Jul 2023, Indexed 2023-08-12, Document Type: Article, Language English, Accession Number WOS: 001038546200001, eISSN 2079-4983, impact factor 2022: 4.8</p> <p style="text-align: center;">$(50 \times 4,8) / 10 = 24.00$</p> <p>2.1.2.41. B. Pricop, U. Soyler, B. Ozkal, N. M. Lohan, A. L. Paraschiv, M.G.Suru, L.G. Bujoreanu, <i>Influence of mechanical alloying on the behavior on the behavior of Fe-Mn-Si-Cr-Ni shape memory alloys made by powder metallurgy</i>, Edited by Prokoshkin, S; Resnina, N, Journal MATERIALS SCIENCE FORUM, Publisher name TRANS TECH PUBLICATIONS LTD, Volume 738-739, Page237-+, DOI 0.4028/www.scientific.net/MSF.738-739.237, Book Series: Materials Science Forum, Published 2013, Indexed 2013-01-01, Document Type: Proceedings Paper, WOS:000316089000041, ISSN 0255-5476, Journal Impact Factor 2005: 0.399</p> <p style="text-align: center;">$(50 \times 0,399) / 7 = 2.85$</p>	<p>50 * X nr. autori; pentru reviste X = factorul de impact al revistei; pentru acricole în volume X=0,1</p>
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2	Activitatea de cercetare (A2)	<p>2.1.2.42. L. G. Bujoreanu, S. Stanciu, P. Bârsănescu, N. M. Lohan, <i>Study of the transitory formation of $\alpha 1$ bainite, as a precursor of α-phase in tempered SMAs</i>, Journal ADVANCED TOPICS IN OPTOELECTRONICS, MICROELECTRONICS, AND NANOTECHNOLOGIES IV, Volume 7297, DOI10.1117/12.823620, Book Series: Proceedings of SPIE, Article Number 72970B, Published 2009, Indexed 2009-01-01, Document Type: Proceedings Paper Accession Number WOS:000291642900011, ISBN 978-0-8194-7559-6, ISSN 0277-786X</p> <p style="text-align: center;">$(50^{\circ}0,1)/4=1,25$</p> <p>2.1.2.43. S. Plavanescu, D. Nedelcu, M. N. Lohan, <i>Considerations on the micro-indentation and differential scanning calorimetry of arboform reinforced with aramid fibres</i>, MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING, Volume 837, Page 718-723, DOI10.4028/www.scientific.net/AMR.837.718, Book Series: Advanced Materials Research, Published 2014, Indexed 2014-07-02. Document Type: Proceedings Paper, Accession Number: WOS:000337000500124, ISBN: 978-3-03785-929-2, ISSN: 1022-6680, Language English, Accession Number WOS:000409221600018, ISSN 1757-8981</p> <p style="text-align: center;">$(50^{\circ}0,1)/3=1.66$</p> <p>2.1.2.44. M.G. Suru, C. Moroşanu, R.I. Comănesci, E. Mihalache, B. Pricop, N.M. Lohan, C. Baci, L.G. Bujoreanu, <i>Comparative evolution of surface relieves of stress-induced martensite plates in shape memory alloys with different crystalline structures</i>, Journal MATERIALS TODAY-PROCEEDINGS, Volume 2, Page 957-960, Supplement 3, DOI10.1016/j.matpr.2015.07.440, Published 2015, Indexed 2015-01-01, Document: Type Proceedings Paper, Language English, Accession Number WOS:000371032100111, ISSN 2214-7853</p> <p style="text-align: center;">$(50^{\circ}0,1)/8=0.62$</p> <p>2.1.2.45. B. Pricop, U. Söyler, B. Özkal, M.G. Suru, N.M. Lohan, R.I. Comănesci, N. Cimpoeşu, V. Muşat, G. Gurău, B. Istrate, E. Mihalache, L.G. Bujoreanu, <i>A study of martensite formation in powder metallurgy Fe-Mn-Si-Cr-Ni shape memory alloys</i>, Journal MATERIALS TODAY-PROCEEDINGS Volume 2, Page 789-792, Supplement 3, DOI10.1016/j.matpr.2015.07.400, Published 2015, Indexed 2015-01-01, Document: Type Proceedings Paper, Language English, Accession Number WOS:000371032100070, ISSN 2214-7853</p> <p style="text-align: center;">$(50^{\circ}0,1)/12=0,41$</p> <p>2.1.2.46. E. Mihalache, B. Pricop, M.-G. Suru, N. M. Lohan, R. I. Comănesci, B. Istrate, B. Özkal, L.-G. Bujoreanu, <i>Factors influencing martensite transitions in Fe-based shape memory alloys</i>, Edited by Schryvers, N; Van Humbeeck, J., Journal ESOMAT 2015 - 10TH EUROPEAN SYMPOSIUM ON MARTENSITIC TRANSFORMATIONS, Volume 33, DOI10.1051/mateconf/20153304002. Book Series: MATEC Web of Conferences, Article Number 04002, Published 2015, Indexed 2016-04-13, Document Type: Proceedings Paper, Language English, Accession Number WOS:000372402800039, ISBN 978-2-7598-1925-6, ISSN 2261-236X</p> <p style="text-align: center;">$(50^{\circ}0,1)/8=0,62$</p>	<p>50 * X nr. autori; pentru reviste X = factorul de impact al revistei; pentru acricole în volume X=0,1</p>
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	<p>2.1.2.47. B. Pricop, E. Mihalache, M.-N. Lohan, B. Istrate, M. Mocanu, B. Ozkal, L.-G. Bujoreanu, <i>Powder metallurgy and mechanical alloying effects on the formation of thermally induced martensite in an FeMnSiCrNi SMA</i>, Edited by Schryvers, N; Van Humbeeck, J., Journal ESOMAT 2015 - 10TH EUROPEAN SYMPOSIUM ON MARTENSITIC TRANSFORMATIONS, Volume 33, DOI10.1051/mateconf/20153304004, Book Series: MATEC Web of Conferences, Article Number 04004, Published 2015, Indexed 2015-01-11, Document Type: Proceedings Paper, Language English, Accession Number WOS: 000372402800041, ISBN 978-2-7598-1925-6, ISSN 2261-236X</p> <p style="text-align: center;">$(50*0,1)/7=0,71$</p> <p>2.1.2.48. Ciubotariu-Ana P., Micu C., Lohan N. M., Pricop B., Bujoreanu L.G., Bejinariu C., <i>Thermal Analysis of a New Glass Fiber-Reinforced Bismaleimide Composite Material Used for Firefighter Helmets</i>, Edited by Sandu, AV; Abdullah, MMAB; Vizureanu, P; Ghazali, CMR; Sandu I., Journal EUROINVENT ICIR 2018, Volume 374, DOI10.1088/1757-899X/374/1/012022, Book Series: IOP Conference Series-Materials Science and Engineering, Article Number 012022, Published 2018, Indexed 2018-10-25, Document Type: Proceedings Paper, Language English , Accession Number WOS:000446775900022, ISSN 1757-8981</p> <p style="text-align: center;">$(50*0,1)/6=0,83$</p> <p>2.1.2.49. L. Burlacu, N. Cimpoeșu, L. G. Bujoreanu and N. M. Lohan, <i>Exploiting heat treatment effects on SMAs macro and microscopic properties in developing fire protection devices</i>, Edited by Kifor, C; Naito, M; Carausu, C; Topala, P; Wrobel, A; Oanta, E; Schnakovszky, C; Paunoiu V, Spanu, S; Nedelcu, D., Journal: MODTECH INTERNATIONAL CONFERENCE - MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING V, Volume 227, DOI10.1088/1757-899X/227/1/012018, Book Series IOP Conference Series-Materials Science and Engineering, Article Number 012018, Published 2017, Indexed 2017-09-21, Document Type: Proceedings Paper,</p> <p style="text-align: center;">$(50*0,1)/7=0,71$</p> <p>2.1.2.50. M. S. Bălțatu, P. Vizureanu, T. Bălan, N.M. Lohan, C. A. Țugui, <i>Preliminary Tests for Ti-Mo-Zr-Ta Alloys as Potential Biomaterials</i>, Edited by Sandu, AV; Abdullah, MMAB; Vizureanu, P; Ghazali, CMR; Sandu I., Journal EUROINVENT ICIR 2018, Volume 374, DOI 10.1088/1757-899X/374/1/012023, Book Series: IOP Conference Series-Materials Science and Engineering, Article Number 012023, Published 2018, Indexed 2018-10-25, Document Type: Proceedings Paper, Language English , Accession Number WOS: 000446775900023, ISSN 1757-8981</p> <p style="text-align: center;">$(50*0,1)/5=1$</p> <p>2.1.2.51. Popa. M., Lohan. N.M., Popa F., Pricop B., Bujoreanu L.G., <i>Holding-temperature effects on thermally and stress induced martensitic transformations in an FeMnSiCr SMA</i>, Journal MATERIALS TODAY-PROCEEDINGS, Volume 19, Page 956-962, Part 3, DOI10.1016/j.matpr.2019.08.007, Published 2019, Indexed 2019-11-28, Document Type: Proceedings Paper, Language English, Accession Number WOS:000496428200008, ISSN 2214-7853</p> <p style="text-align: center;">$(50*0,1)/5=1$</p>	<p>50 * X nr. autori; X = 0,08</p>
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2	Activitatea de cercetare (A2)	<p>2.1.2.52. Costache, C., Apostol, V., Pricop, B., Lohan, N.-M., Comaneci, R.I., Bujoreanu, L.-G., <i>Study of some heat treatment effects on thermodynamic and structural properties of Ti-Ta biomedical shape memory alloys</i>, Edited by Raval, HK; Naito, M ; Park, HS; Cortes, DM ; Sasmazel, HT; Placzek, M; Milosevic, O; Topala, P; AlMaliky, SJB; Nedelcu, D., Journal MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING VII (MODTECH2019), Volume 591, DOI 10.1088/1757-899X/591/1/012011, Book Series IOP Conference Series-Materials Science and Engineering, Article Number 012011, Published 2019, Indexed 2020-09-10, Document Type: Proceedings Paper, Language English, Accession Number WOS:000562929900011, ISSN 1757-8981</p> <p style="text-align: center;">$(50 \times 0,1)/6 = 0,83$</p> <p>2.1.2.53. Ciurca, L., Lohan, N.-M., Pricop, B., Bujoreanu, L.G., <i>Study of tensile behaviour of Fe base shape memory alloys during mechanical cycling</i>, Edited by Raval, HK; Naito, M ; Park, HS; Cortes, DM ; Sasmazel, HT; Placzek, M; Milosevic, O; Topala, P; AlMaliky, SJB; Nedelcu, D., Journal MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING VII (MODTECH2019), Volume 591, DOI 10.1088/1757-899X/591/1/012009, Book Series IOP Conference Series-Materials Science and Engineering, Article Number 012009, Published 2019, Indexed 2020-09-10, Document Type: Proceedings Paper, Language English, Accession Number WOS: 000562929900009, ISSN 1757-8981</p> <p style="text-align: center;">$(50 \times 0,1)/4 = 1.25$</p> <p>2.1.2.54. Popescu I., Romandas N., Lohan N.M., Albuiescu, A.G., Mihalache E., Baciuc C., <i>Criminal liability in case of infringement of the rules on occupational safety and health and the occurrence of accidents at work - subjects of the offenses</i>, Edited by Bondrea I (; Cofaru, NF; Inta, M, Journal 9TH INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION (MSE 2019): TRENDS IN NEW INDUSTRIAL REVOLUTION, Volume 290, DOI 10.1051/mateconf/201929012002, Book Series MATEC Web of Conferences, Article Number 12002, Published 2019, Indexed 2020-09-29, Document Type Proceedings Paper, Language English, Accession Number WOS: 000569367700131, ISSN 2261-236X</p> <p style="text-align: center;">$(50 \times 0,1)/6 = 0,83$</p> <p>2.2. Articole în reviste și volumele uneori manifestări științifice indexate în alte baze de date internaționale [BDI] în specificul postului scos la concurs</p> <p>2.2.1. Mihalache, E., Pricop, B., Comănești, R. I., Suru, M. G., Lohan, N. M., Mocanu, M., Özkal, B., Bujoreanu, L. G. <i>Structural Effects of Thermomechanical Processing on the Static and Dynamic Responses of Powder Metallurgy Fe-Mn-Si Based Shape Memory Alloys</i>. Periodical: Advances in Science and Technology, Pages 153–158. DOI: https://doi.org/10.4028/www.scientific.net/AST.97.153, Online Oct 2016</p> <p style="text-align: center;">$(50 \times 0,08)/8 = 0,5$</p> <p>2.2.2. Mihalache, E., Pricop, B., Lohan, N.-M., Suru, M.-G., Ozkal, B., Bujoreanu, L.-G., <i>Internal friction evaluation in mechanically alloyed-powder metallurgy Fe-Mn-Si-Cr-Ni shape memory alloys</i>, International Journal of Modern Manufacturing Technologies, Volume 8, Issue 1, 2016, Pages 61-68, Document type: Article, ISSN 20673604, Publisher ModTech Publishing House, Original language English</p> <p style="text-align: center;">$(50 \times 0,08)/6 = 0,66$</p>	50 * X nr. autori; X = 0,08
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2	Activitatea de cercetare (A2)	<p>2.2.3. Popa M., Pricop B., Mihalache E., Bujoreanu L.-G. and Lohan N. M., <i>Hot Working Effects on the Damping Behavior of Shape Memory Alloys</i>, Materials Science Forum, Volume 907 MSF, Pages 180 – 187, 2017 10th International Conference on Materials Science and Engineering, BraMat 2017, Document type Conference Paper, Source type Book Series, ISSN 02555476, ISBN 978-303571075-5, DOI 10.4028/www.scientific.net/MSF.907.180</p> <p style="text-align: center;">$(50 \cdot 0,08)/5 = 0.8$</p> <p>2.2.4. Burlacu L., Cimpoeșu N., Lohan N. M. and Bujoreanu L.-G., <i>NiTi Shape Memory Alloy Used for Multiple-Resetting Actuator for Fire Protection</i>, Materials Science Forum, Volume 907 MSF, Pages 8 – 13, 2017 10th International Conference on Materials Science and Engineering, BraMat 2017, Document type: Conference Paper, Source type Book Series, ISSN 02555476, ISBN 978-303571075-5, DOI 10.4028/www.scientific.net/MSF.907.8</p> <p style="text-align: center;">$(50 \cdot 0,8)/4 = 1$</p> <p>2.2.5. Micu, C.A., Ciubotariu-Ana, P., Lohan, M.N., Mocanita, C.O., Dumitru, M., Bejinariu, C., <i>Electrical and thermal characteristics of nitinol wires for linear heat detectors</i>, IOP Conference Series: Materials Science and Engineering Open Access Volume 572, Issue 12 August 2019, Article number 0120722019, International Conference on Innovative Research, ICIR EUROINVENT 2019 Iasi, Document type: Conference Paper• Bronze Open Access, Source type Conference Proceedings, ISSN 17578981, DOI 10.1088/1757899X/572/1/012072, Publisher Institute of Physics Publishing, Original language English, Volume Editors Sandu A.V., Abdullah M.M.A.B., Vizureanu P., Ghazali C.M.R., Sandu I.</p> <p style="text-align: center;">$(50 \cdot 0,08)/6 = 0,66$</p> <p>2.2. 6. Ciubotariu-Ana, P., Lohan, N.-M., Micu, C.A., Baci, C., Bejinariu, C., <i>Investigations of thermal degradation and electrical properties of polyamide materials versus polybismaleimide materials for fire-fighters helmets</i>, IOP Conference Series: Materials Science and Engineering, Open Access, Volume 572, Issue 12, August 2019, Article number 0120312019, International Conference on Innovative Research, ICIR EUROINVENT 2019 Iasi, Document type: Conference Paper• Gold Open Access, Source type Conference Proceedings, ISSN 17578981, DOI 10.1088/1757-899X/572/1/012031, Publisher Institute of Physics Publishing, Original language English, Volume Editors Sandu A.V., Abdullah M.M.A.B., Vizureanu P., Ghazali C.M.R., Sandu I.</p> <p style="text-align: center;">$(50 \cdot 0,08)/5 = 0.8$</p> <p>2.2.7. Burduhos-Nergis, D.P., Baci, C., Vizureanu, P., Lohan, N.M., Bejinariu, C., <i>Materials types and selection for carabiners manufacturing: A review</i>, IOP Conference Series: Materials Science and Engineering, Open Access, Volume 572, Issue 12 August 2019, Article number 0120272019 International Conference on Innovative Research, ICIR EUROINVENT 2019 Iasi, Document type: Conference Paper, Gold Open Access, Source type: Conference Proceedings, ISSN 17578981, DOI 10.1088/1757-899X/572/1/012027, Publisher Institute of Physics Publishing, Original language English, Volume Editors Sandu A.V., Abdullah M.M.A.B., Vizureanu P., Ghazali C.M.R., Sandu I.</p> <p style="text-align: center;">$(50 \cdot 0,08)/5 = 0.8$</p>	50 * X nr. autori; X = 0,08
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	<p>2.2.8. Bernevig-Sava, M.A., Stamate, C., Lohan, N.-M., Baci, A.M., Postolache, I., Baci, C., Baci, E.-R., <i>Considerations on the surface roughness of SLM processed metal parts and the effects of subsequent sandblasting</i>, IOP Conference Series: Materials Science and Engineering, Open Access, Volume 572, Issue 12 August 2019, Article number 0120712019, International Conference on Innovative Research, ICIR EUROINVENT 2019 Iasi, Document type: Conference Paper• Bronze Open Access, Source type Conference Proceedings, ISSN 17578981, DOI 10.1088/1757-899X/572/1/012071, Publisher Institute of Physics Publishing, Original language English, Volume Editors, Sandu A.V., Abdullah M.M.A.B., Vizureanu P., Ghazali C.M.R., Sandu I.</p> <p>$(50 \cdot 0,08)/7 = 0,57$</p> <p>2.2.9. Apostol, V., Lohan, N.M., Mihalache, E., Comănesci, R.I., Cimpoesu, N., Pricop, B., Popa, M., Bujoreanu, L.G., <i>Accumulation of stress induced martensite in Fe43.5Mn34Al15±xNi7.5Ti shape memory alloys</i> IOP Conference Series: Materials Science and Engineering, Open Access, Volume 572, Issue 12, August 2019, Article number 0120322019, International Conference on Innovative Research, ICIR EUROINVENT 2019 Iasi, Document type: Conference Paper• Bronze Open Access, Source type Conference Proceedings, ISSN 17578981, DOI 10.1088/1757-899X/572/1/012032, Publisher Institute of Physics Publishing, Original language English, Volume Editors Sandu A.V., Abdullah M.M.A.B., Vizureanu P., Ghazali C.M.R., Sandu I.</p> <p>$(50 \cdot 0,08)/8 = 0,5$</p> <p>2.2.10. V. D. Apostol, B. Pricop, M. Popa, L.-G. Bujoreanu, N. M. Lohan, <i>The thermo-mechanical behavior of NiTi-X shape memory alloys</i>, Materials Today: Proceedings, Volume 72, Part 2, 2023, Pages 572-575, ISSN 2214-7853, doi.org/10.1016/j.matpr.2022.10.059, 12th International Conference on Materials Science & Engineering,</p> <p>$(50 \cdot 0,08)/5 = 0,8$</p> <p>2.2.11. M. Popa, V. D. Apostol, N. M. Lohan, N. Cimpoesu, M. Cazacu, F. Borza, L.-Gh. Bujoreanu, <i>Investigation of some thermomechanical processing effects on the structure and properties of a TiNiCu shape memory alloy</i>, Materials Today: Proceedings, Volume 72, Part 2, 2023, Pages 600-606, doi.org/10.1016/j.matpr.2022.10.225, 12th International Conference on Materials Science & Engineering,</p> <p>$(50 \cdot 0,08)/7 = 0,57$</p> <p>2.3. Brevet de invenție acordat neindexat ISI Thomson Reuters-Web of Science – Derwent innovation Index</p> <p>2.3.1. L.G. Bujoreanu, G. Gurău, I. Dan, C. Știrbu, R.I. Comănesci, N.M.Lohan, B. Pricop, A.L.Paraschiv, M.G. Suru, C. Gurău, <i>Element cu deplasare axială reglabilă termic</i>, din aliaj cu memoria formei, tip Fe-Mn-Si-Cr, Brevet Nr. 129876, 30.08.2017</p> <p>$15/25/10 = 0,06$</p>	<p>50 * X nr. autori; X = 0,08</p>
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		<p>2.4. Granturi/proiecte de cercetare câștigate prin competiție/ Contracte cu agenți economici minim 10.000 echivalent Euro, încasați</p> <p>2.4.1. Director/responsabil partener: minim 1 pentru conferențiar</p> <p>2.4.1.2. Naționale</p> <p>2.4.1.2.1. Director de proiect Lohan Nicoleta Monica Contract de cercetare nr. 49104/2022: <i>Cercetari privind influenta conditiilor de turnare asupra proprietăților pieselor turnate din aliaje SAE 430 B (CuZn25Al5Fe3Mn4)</i>. Valoare contract 60350,85 lei inclusiv TVA</p> <p style="text-align: right;">5*0.5=2,5</p>	<p>15/25/nr.aut ori 5 * anii de desfășurare</p>
		<p>2.4.2. Membru în echipă</p> <p>2.4.2.2. Naționale</p> <p>2.4.2.2.1. Membru (Leandru Gheorghe Bujoreanu – director de proiect), Aplicații cu revenire reținută, ale aliajelor cu memoria formei pe bază de Fe-(Mn, Ni)-Si, cu proprietăți controlate prin modificări nanostructurale la nivelul martensitei și matricei austenitice, PN II - ID-PCE-2007-1, cod ID 301, Durata proiectului: 2007 –2010</p> <p style="text-align: right;">2*4=8</p> <p>2.4.2.2.2. Membru (Leandru Gheorghe Bujoreanu – director de proiect), Sistem modular de elemente multifunctionale cu deplasare auto-adaptiva, PN-II-PT-PCCA-2011-3.1-0174, Durata proiectului: 2012 –2016</p> <p style="text-align: right;">2*5=10</p> <p>2.4.2.2.3. Membru (Leandru Gheorghe Bujoreanu – director de proiect), Nouă metodă de îmbunătățire a proprietăților de memoria formei prin controlul migrației atomice, PN-II-ID-PCE-2012-4-0033, Durata proiectului: 2013 –2015</p> <p style="text-align: right;">2*3=6</p> <p>2.4.2.2.4. Membru (Leandru Gheorghe Bujoreanu – director de proiect), Un studiu al factorilor care favorizează termoeelasticitatea in aliajele superelastice cu memoria formei pe baza de Fe, PN-III-P4-ID-PCE-2016-0468, Durata proiectului: 2017 –2019</p> <p style="text-align: right;">2*2=4</p>	<p>2 * anii de desfășurare</p>

2	Activitatea de cercetare (A2)	<p>2.4.2.2.5. Membru (coordonator TUIASI- Corneliu Munteanu) Proiect Complex: „Obținerea și expertizarea unor noi materiale biocompatibile pentru aplicații medicale”, Contract Nr. 60PCCDI/2018, PN-III-P1-1.2-PCCDI-2017-0239, Proiect Component 3: „Dezvoltarea unor noi aliaje dentare cu ruteniu - BIODENTRUT”. Durata proiectului: 2018-2020</p> <p style="text-align: center;">2*2=4</p> <p>2.4.2.2.6. Membru (coordonator TUIASI Leandru Gheorghe Bujoreanu), Proiect experimental demonstrativ, 2019: „Sistem compozit inteligent cu configurație auto-controlabilă constituit din aliaje cu memoria formei / materiale magnetice amorfă încorporate în matrici elastomerice,, PN-III-P2-2.1-PED2019-4138, Durata proiectului: 2020-2022</p> <p style="text-align: center;">2*2=4</p> <p>2.4.2.2.7. Membru (director TUIASI Mihai Axinte), Proiect „Șansa la educație la știința și ingineria materialelor - SESIM” Program ROSE AG nr 118/SGU/PV/II/2019, Durata proiectului: 2021-2022</p> <p style="text-align: center;">2*2=4</p> <p>2.4.2.2.8. Membru (director TUIASI Daniela Lucia Chicet), Proiect „Creativitate și educație la știința și ingineria materialelor-CESIM” Program ROSE AG nr 341/SGU/PV/II/2020, Durata proiectului: 2021-2022</p> <p style="text-align: center;">2*2=4</p> <p>2.4.2.2.9. Membru (director TUIASI Costică Bejinariu), „Integrarea cu succes la studii universitare la Facultatea de Știința și Ingineria Materialelor din Universitatea Tehnică Gheorghe Asachi din Iași”, Program ROSE AG 196/SGU/NC/II, 2019, Durata proiectului: 2021-2022</p> <p style="text-align: center;">2*2=4</p>	2 * anii de desfășurare
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3.	Recunoașterea și impactul activității (A3)	<p>3.1. Citări în reviste cotate ISI Thomson Reuters-Web of Science Core Collection [FI – Factor de impact] și în alte BDI Minim 15 citări pentru Conferențiar, în ISI Thomson Reuters-Web of Science Core Collection și SCOPUS</p> <p>3.1.1. ISI</p> <p>3.1.1.1. Citari lucrarea L. G. Bujoreanu, N. M. Lohan, B. Pricop; N. Cimpoeșu, <i>Thermal memory degradation in a Cu-Zn-Al shape memory alloy during thermal cycling with free air cooling</i>, Journal of Materials Engineering and Performance (Q3), Volume 20, Issue 3, Page 468-475, DOI10.1007/s11665-010-9702-5, Published APR 2011, Indexed 2011-04-01, Document Type: Article, Language English, Accession Number WOS:000288458500021, ISSN 1059-9495</p> <p>3.1.1.1.1. Kawarada, Y., Aimi, A., Santos, A., et al.\ 2023, <i>Abnormal grain growth of 68Cu-16Al-16Zn alloys for elastocaloric cooling via cyclical heat treatments</i>, Journal of Physics: Energy, 5, 024012, Impact factor 2022: 6.9</p> <p style="text-align: center;">30/4 = 7,5</p> <p>3.1.1.1.2. Nikzad Negahdari, Morteza Alizadeh, Shima Pashangeh, Erfan Salahinejad, <i>Structure and corrosion behavior of Cu-26Zn-5Al alloy processed by accumulative roll bonding and heat treatment</i>, Journal of Alloys and Compounds, Volume 924, 2022, 166574, Impact factor 2022: 6,2</p> <p style="text-align: center;">30/4 = 7,5</p> <p>3.1.1.1.3. Faci, Djihade Nesrine and Chouf, Saida and Benchiheb, Mostepha and Belkahla, Soliman, <i>Effects of aging on structural and microstructural properties in a ternary CuZnAl shape memory alloy</i>, MATERIAUX & TECHNIQUES, 110 (5), 2022, Impact factor 2022: 0,9</p> <p style="text-align: center;">10/4 = 2,5</p> <p>3.1.1.1.4. Alaneme, Kenneth K. and Okotete, Eloho A. and Oluwafemi, Ayoyemi and Inyang, Usen, <i>Assessment of the mechanical behaviour of thermally aged B and Fe modified CuZnAl shape memory alloys</i>, REVISTA DE METALURGIA, 55 (3), 2019, Impact factor 2022: 0.8</p> <p style="text-align: center;">10/4 = 2,5</p> <p>3.1.1.1.5. Grguric, TH, Manasijevic, D. Kozuh, S. Ivanic, I. Anzel, I. Kosec, B. Bizjak, M. Bajsic, EG. Balanovic, L. Gojic, M., <i>The effect of the processing parameters on the martensitic transformation of Cu-Al-Mn shape memory alloy</i>, JOURNAL OF ALLOYS AND COMPOUNDS, 765, pp. 664-676, 2018, Impact factor 2022: 6.2</p> <p style="text-align: center;">30/4 = 7,5</p> <p>3.1.1.1.6. Iacoviello, F., Di Cocco, V.; Natali, S. Brotzu, A., <i>Grain size and loading conditions influence on fatigue crack propagation in a Cu-Zn-Al shape memory alloy</i>, INTERNATIONAL JOURNAL OF FATIGUE, 115, pp. 27-34, 2018, Impact factor 2022: 6</p> <p style="text-align: center;">30/4 = 7,5</p>	<p>5/nr. Autori FI<0.5; 10/nr. Autori 0.5<FI<1 15/nr. Autori 1<FI<2 20/nr. Autori FI>2 30/nr. Autori FI>5</p>
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3.	Recunoașterea și impactul activității (A3)	<p>3.1.1.1.7. Alaneme, KK., Okotete, EA., Maledi, N., <i>Phase characterisation and mechanical behaviour of Fe-B modified Cu-Zn-Al shape memory alloys</i>, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T Volume: 6 Issue: 2 Pages: 136-146, 2017, Impact factor 2022: 6.4</p> <p style="text-align: center;">30/4 = 7,5</p> <p>3.1.1.1.8. Acitei DC, Sandu AV., Abdullah MMA, Vizureanu P., Abdullah A., <i>On The Structure of Shape Memory Alloys</i>, ADVANCED MATERIALS ENGINEERING AND TECHNOLOGY II, Volume: 594-595, Pages: 140-+, 2014, Impact factor 2022: 0.2</p> <p style="text-align: center;">5/4 = 1.25</p> <p>3.1.1.1.9. Achitei DC, Abdullah MMA, Sandu AV., Vizureanu P., Abdullah A., <i>On The Fatigue of Shape Memory Alloys</i>, ADVANCED MATERIALS ENGINEERING AND TECHNOLOGY II, Volume: 594-595, Pages: 133-+, 2014, Impact factor 2022: 0.2</p> <p style="text-align: center;">5/4 = 1.25</p> <p>3.1.1.1.10. Costan, A., Cimpoesu, RH., Ionita, I., Dima, A., Forna, N., Nica, P., Agop, M., <i>Hydroxyapatite and PMMA Thin Films Synthesized by Pulsed Laser Deposition on Titanium Based Metallic Substrates</i>, MATERIALE PLASTICE, Volume 48, Issue 4, Page 299-302, 2011, Impact factor 2022: 0.8</p> <p style="text-align: center;">10/4 = 2.5</p> <p>3.1.1.1.11. Costan, A., Forna, N., Dima, A., Andronache, M., Roman, C., Manole, V., Stratulat, L., Agop, M., <i>Biodegradable hydroxyapatite layer obtained on Ti-6Al-4V alloy dental implant material</i>, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Volume 13, Issue 9-10, Page 1338-1341, 2011, Impact factor 2022: 0.5</p> <p style="text-align: center;">10/4 = 2.5</p> <p>3.1.1.1.12. Costan, A., Dima, A., Ionita A., Forna, NPerju MC., Agop, M., <i>Thermal properties of a Ti-6Al-4V alloy used as dental implant material</i>, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Volume 5, Issue 1-2, Page 92-95, 2011, Impact factor 2022: 0.5</p> <p style="text-align: center;">10/4 = 2.5</p> <p>3.1.1.2. Citari lucrarea: N. M. Lohan, B. Pricop, L.-G. Bujoreanu, N. Cimpoeșu <i>Heating rate effects on reverse martensitic transformation in a Cu-Zn-Al shape memory alloy</i>, International Journal of Materials Research – Volume 1026, Issue: 11, Page 1345-1351, DOI10.3139/146.110595, Published Nov 2011, Indexed 2011-11-01, Document Type: Article, Language English, Accession Number WOS: 000297955000005, ISSN 1862-5282</p>	<p>5/nr. Autori FI<0.5; 10/nr. Autori 0.5<FI<1 15/nr. Autori 1<FI<2 20/nr. Autori FI>2 30/nr. Autori FI>5</p>
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	<p>3.3. Recenzor pentru reviste și manifestări științifice</p> <p>3.3.1. 6 Lucrări recenzate pentru jurnalul Materials, Factor de impact 2022: 3,4</p> <p style="text-align: center;">$6 \times 5 = 30$</p> <p>3.3.2. 3 Lucrări recenzate pentru jurnalul Polymers, Factor de impact 2022: 5</p> <p style="text-align: center;">$3 \times 5 = 15$</p> <p>3.3.3. 1 Lucrare recenzată pentru jurnalul Nanomaterials, Factor de impact 2022: 5,3</p> <p style="text-align: center;">$1 \times 5 = 5$</p> <p>3.3.4. 1 Lucrare recenzată pentru jurnalul Buildings, Factor de impact 2022: 3,8</p> <p style="text-align: center;">$1 \times 5 = 5$</p> <p>3.3.5. 1 Lucrare recenzată pentru pentru jurnalul Journal of Marine Science and Engineering, Factor de impact 2022: 2,9</p> <p style="text-align: center;">$1 \times 5 = 5$</p> <p>3.3.6. 1 Lucrare recenzată pentru pentru jurnalul Journal of Manufacturing and Materials Processing, Factor de impact 2022: 3,2</p> <p style="text-align: center;">$1 \times 5 = 5$</p> <p>3.3.7. 1 Lucrare recenzată pentru pentru jurnalul Journal of Composites Science, Factor de impact 2022: 3,3</p> <p style="text-align: center;">$1 \times 5 = 5$</p> <p>3.3.8. 2 Lucrări recenzate pentru jurnalul Engineering Science and Technology, an International Journal, Factor de impact 2022: 5,7</p> <p style="text-align: center;">$2 \times 5 = 10$</p> <p>3.3.9. 2 Lucrări recenzate pentru jurnalul Materials&Design, Factor de impact 2022: 8,4</p> <p style="text-align: center;">$1 \times 5 = 5$</p>	<p>Recenzor - 5</p>
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	3.6. Membru în asociații profesionale de prestigiu naționale 3.6.4. Asociații profesionale naționale 3.4.1. Asociația de sudură 3.4.2. Asociația Profesională ModTech Iasi 3.4.3. Asociația Specialiștilor și Experților pentru Securitate și Sănătate în Muncă Iasi 3.4.4. Asociația Generală a Inginerilor din România 2*4=8	2
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Condiții minime (Ai)			
Nr.	Categorie		
Crt.	Domeniul de activitate	Condiții conferențiar	Punctaj obținut candidat
1.	Activitatea didactică /profesională (A1)	Minim 30 puncte	74,96
2	Activitatea de cercetare (A2)	Minim 160 puncte	1142,49
3.	Recunoașterea impactului activității (A3)	Minim 60 puncte	502.35
Total		250 puncte	1720.8

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