

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI  
FACULTATEA DE ȘTIINȚA ȘI INGINERIA MATERIALELOR  
DEPARTAMENTUL DE TEHNOLOGII ȘI ECHIPAMENTE PENTRU PROCESAREA MATERIALELOR  
Concurs pentru ocuparea postului de PROFESOR poz. 4

Disciplinele postului: Managementul de mediu în ingineria procesării materialelor  
Ecotehnologii  
Protecția mediului în industrie

**FIȘA DE VERIFICARE**  
**a îndeplinirii standardelor minime naționale de prezentare la examenul de promovare pe postul de**  
**profesor universitar**

Candidat: SANDU Andrei Victor, Data nașterii: [REDACTED]

Funcția actuală: Conferențiar, Data numirii în funcția actuală: 30.09.2019 Instituția: UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI

**Tabelul 1.** Conditii minime / punctaje obtinute  
(conform Anexa nr. 7. Comisia Ingineria Materialelor, OM 6129-2016 Standarde minime)

Nr. crt.	Domeniul de activitate	Conditii Profesor	Punctaj obtinut	Criteriu îndeplinit/ Criteriu neîndeplinit
1.	Activitatea didactică și profesională (A1)	60	187,49	Îndeplinit 312%
2.	Activitatea de cercetare (A2)	320	5644,30	Îndeplinit 1763%
3.	Recunoasterea si impactul activitatii activitatii (A3)	120	2967,04	Îndeplinit 2472%
	<b>TOTAL (puncte)</b>	<b>Minim: 500</b>	<b>8798,83</b>	Îndeplinit 1759%

**Data: 09.12.2025**  
**Conf.univ.dr.ing.habil. SANDU Andrei Victor**

[REDACTED]

<b>Condiții minime obligatorii pe subcategorii pentru profesor</b>		<b>Necesar</b>	<b>Realizat</b>
<b>A1</b>	1.1. Cărți și capitole în cărți de specialitate în edituri recunoscute	<b>Cărți naționale 2 din care 1 prim autor</b>	<b>3, din care 1 prim-autor</b> 5 carti internationale + 7 capitole
	1.2. Suport didactic	<b>Manuale didactice, monografii, inclusiv electronice: minim 2 din care 1 prim autor</b>	<b>4, din care 2 prim-autor</b>
<b>A2</b>	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	<b>Minim 15 articole din care minim 10 în reviste cotate ISI Th.R. , din care minim 5 cu FI de min. 1 și min. 5 ca autor principal cu FI min. 0,5</b>	388 articole indexate Web of Science (din care peste 340 articole cu FI) 77 de articole ca autor principal (corespondent sau prim autor), din care 75 cu FI > 0,5 peste 200 articole publicate in Jurnale cu FI > 1
	2.4. Granturi/proiecte de cercetare câștigate prin competiție/ Contracte cu agenți economici, min 10.000 echivalent Euro, încasați	<b>Director/responsabil partener: 2, din care minim 1 Director</b>	<b>2 proiecte coordonate: unul ca director și unul ca responsabil partener + director grant intern</b>
<b>A3</b>	3.1. Citări în reviste cotate ISI Thomson Reuters-Web of Science Core Collection [FI – Factor de impact] și în alte BDI	<b>Minim 30 citări în ISI Thomson Reuters-Web of Science Core Collection și SCOPUS</b>	<b>Selectie de 440 citari in Web of Science, din peste 5000 (top 5 cele mai citate lucrări)</b>

**Data: 09.12.2025**  
**Conf.univ.dr.ing.habil. SANDU Andrei Victor**



**Tabelul 2.** Detalierea valorilor “**Punctaj obținut**” din Tabelul 1 (conform Anexa nr. 7. Comisia Ingineria Materialelor, conform OM 6129-2016)

Structura activității	Restricții Profesor	Punctaj obținut
<b>A1. Activitatea didactică și profesională</b>		
<b>A1.1 Cărți / capitole în cărți de specialitate în edituri recunoscute</b>		<b>144,52</b>
<b>A.1.1.1. Cărți/capitole ca autor</b>		
<b>A1.1.1.1 Internaționale</b>		<b>101,29</b>
1. <b>A.V. SANDU</b> , C. BEJINARIU, I.G. SANDU, M.M.A.B. ABDULLAH, <b>Modern Technologies of Thin Films Deposition. I. Chemical Phosphatation</b> , Materials Research Foundations, Materials Research Forum LLC, Millersville PA, USA, ISBN 978-1-945291-90-6, 148p, 2018. Punctaj: $148/(2 \times 4)=18,50$		18,50
2. D.P. BURDUHOS-NERGIS, C. BEJINARIU, <b>A.V. SANDU</b> , Phosphate Coatings Suitable for Personal Protective Equipment, Material Research Forum, USA (ISBN 978-1-64490-110-6), 2021, 179 p. Punctaj: $179/(2 \times 3)=29,83$		29,83
3. V.V. SAVINKIN, O.V. IVANOVA, <b>A.V. SANDU</b> , S.N. KOLISNICHENKO, Ensuring the Durability of Oil-Producing Pumps Through the Use of Laser Spraying Technology, Material Research Forum, USA (ISBN 978-1-64490-235-6), 2023, 126p. Punctaj: $126/(2 \times 4)=15,75$		15,75
4. T.Y. RATUSHNAYA, V.V. SAVINKIN, <b>A.V. SANDU</b> , P. VIZUREANU, Technologies for Plasma Renovation of the Phase Structure of Substandard Turbine blades of CHP, Material Research Forum, USA (ISBN 978-1-64490-264-6), 2023, 90p. Punctaj: $90/(2 \times 4)=11,25$		11,25
5. Z.Z. ZHUMEKENOVA, V.V. SAVINKIN, <b>A.V. SANDU</b> , P. VIZUREANU, Laser Cladding for Restoring and Increasing the Durability of Railway Wheels, Material Research Forum, USA (ISBN 978-1-64490-290-5), 2024, 110 p. Punctaj: $110/(2 \times 4)=13,75$		13,75
6. R. AHMAD, M.M.A.B. ABDULLAH, S.R. ABDILA, A.V. SANDU, <i>Applications of Geopolymer in Civil Engineering: Feasibility Study of Soft Soils Stabilization</i> , in <b>Mining and Metallurgical Wastes Based Alkali-Activated Materials</b> (editor: Zengqing Sun), Springer Nature Singapore, <b>2024</b> , 251-263 <a href="https://doi.org/10.1007/978-981-97-6285-9_13">https://doi.org/10.1007/978-981-97-6285-9_13</a> Punctaj: $14/(2 \times 4)=1,75$		1,75
7. M.F.M. Tahir, M.M.A.B. Abdullah, A.V. Sandu, D.D. Burduhos Nergis, R.A. Razak, S.A. Shamsuddin, <i>Utilization of Copper Mine Tailings as Road Construction Materials Through Geopolymerization</i> , in <b>Mining and Metallurgical Wastes Based Alkali-Activated Materials</b> (editor: Zengqing Sun), Springer Nature, <b>2024</b> , 265-283, <a href="https://doi.org/10.1007/978-981-97-6285-9_14">https://doi.org/10.1007/978-981-97-6285-9_14</a> Punctaj: $19/(2 \times 6)=1,58$		1,58
8. M.M.A.B. Abdullah, A.V. Sandu, S.Z.A. Rahim, M.S.I. Ibrahim, T. Imjai, <i>Repair and Protection Materials from Alkali Activation of Metallurgical Slags</i> , in <b>Mining and Metallurgical Wastes Based Alkali-Activated Materials</b> (editor: Zengqing Sun), Springer Nature, <b>2024</b> , 285-307, <a href="https://doi.org/10.1007/978-981-97-6285-9_15">https://doi.org/10.1007/978-981-97-6285-9_15</a> Punctaj: $22/(2 \times 5)=2,2$		2,2
9. <b>A.V. SANDU</b> , D.D. BURDUHOS-NERGIS, P. VIZUREANU, M.M.A.B. ABDULLAH, L. JAMALUDIN, <i>Geopolymers overview</i> , in <b>Geopolymers: Properties and Applications</b> (P. Vizureanu, M.M.A.B. Abdullah, R.A. Razak, D.D. Burduhos-Nergis, L. Yun-Ming, A.V. Sandu ed.) CRC Press, Taylor & Francis Group, <b>2023</b> , p. 18-41. Punctaj: $23/(2 \times 5)=2,3$		2,3
10. R.A. RAZAK, A. ABDULLAH, M.M.A.B. ABDULLAH, P. VIZUREANU, E. ARIFI, <b>A.V. SANDU</b> , <i>Geopolymer Lightweight Agregate</i> , in <b>Geopolymers: Properties and Applications</b> (P. Vizureanu, M.M.A.B. Abdullah, R.A. Razak, D.D. Burduhos-Nergis, L. Yun-Ming, A.V. Sandu ed.) CRC Press, Taylor & Francis Group, <b>2023</b> , p. 52-61. Punctaj: $10/(2 \times 6)=0,83$		0,83
11. R. AHMAD, M.M.A.B. ABDULLAH, W.M. WAN IBRAHIM, <b>A.V. SANDU</b> , <i>Lightweight Geopolymer-based ceramics</i> , in <b>Geopolymers: Properties and Applications</b> (P. Vizureanu, M.M.A.B. Abdullah, R.A. Razak, D.D. Burduhos-Nergis, L. Yun-Ming, A.V. Sandu ed.) CRC Press, Taylor & Francis Group, <b>2023</b> , p. 62-72. Punctaj: $10/(2 \times 4)=1,25$		1,25

Structura activității	Restricții Profesor	Punctaj obținut
12. P. VIZUREANU, D.D. BURDUHOS NERGIS, <b>A.V. SANDU</b> , D.P. BURDUHOS NERGIS, M.S. BALTATU, <i>The Physical and Mechanical Characteristics of Geopolymers Using Mine Tailings as Precursors</i> , <b>Advances in Geopolymer-Zeolite Composites - Synthesis and Characterization</b> , 2021, 21p. (DOI 10.5772/intechopen.97807) Punctaj: 23/(2x5)=2,3		2,3
<b>A1.1.1.2 Naționale</b>	Minim 2 din care 1 prim autor	<b>43,23</b>
2. I. SANDU, M. CANACHE, <b>A.V. SANDU</b> , V. VASILACHE, <i>Aerosolii si dezvoltarea copiilor</i> , Ed. Univ.Al.I.Cuza Iasi, 2015, 200p. (ISBN 978-606-714-099-6) Punctaj: 200/(5x4)=10,00	Realizat 3, din care 1 prim-autor	10,00
3. I. SANDU, C.M. STIRBU, <b>A.V. SANDU</b> , C.I. STIRBU, <i>Aerosolii salini în îmbunătățirea performanțelor sportivilor</i> , Ed. Univ.Al.I.Cuza Iasi, 2015, 238p. (ISBN 978-606-714-179-5) Punctaj: 238/(5x4)=11,90		11,90
4. <b>A.V. SANDU</b> , C. BEJINARIU, <i>Tehnologii moderne de fosfatare. Studii și aplicații</i> , Ed. Politehniun 2013, 130p. (ISBN 978-973-621-404-2) Punctaj: 130/(5x2)=13,00		13,00
<b>A.1.1.1. Cărți/capitole ca editor</b>		
P. VIZUREANU, M.M.A.B. ABDULLAH, R.A. RAZAK, D.D. BURDUHOS-NERGIS, L. YUN-MING, <b>A.V. SANDU</b> , <b>Geopolymers: Properties and Applications</b> , CRC Press, Taylor and Francis Group, 2023 (ISBN: 9781032486710), 170 p. Punctaj: 170/(3x6)=9,44		9,44
P. VIZUREANU, S. YAMAGUCHI, M.S. BALTATU, G. GÖLLER, <b>A.V. SANDU</b> , C. ZAMORA-LEDEZMA, I.V. ANTONIAC, <i>Functionalized Materials Applications in Biomedicine</i> , CRC Press, Taylor & Francis Group, 2025, 420p. <a href="https://doi.org/10.1201/9781003642855">https://doi.org/10.1201/9781003642855</a> Punctaj: 420/(3x7)=20		20
<b>A1.2 Suport didactic</b>		<b>42,97</b>
<b>A1.2.1 Manuale didactice/ Monografii</b>	Minim 2 din care 1 prim autor	<b>34,77</b>
1. <b>A.V. SANDU</b> , I. SANDU, <b>Ecologie si management de mediu</b> , Ed. PIM, Iasi, 2018, 258p. (ISBN ISBN 978-606-13-4582-3) Punctaj: 258/(10x2)=12,90	Realizat 4, din care 2 prim-autor	12,90
2. <b>A.V. SANDU</b> , N.M. NOOR, <b>Introducere în Ingineria Mediului</b> , Ed. PIM Iasi, 2015, 168p. (ISBN 978-606-13-2752-2) Punctaj: 168/(10x2)=8,4		8,4
3. I. SANDU, M.A. CRETU, I.G. SANDU, V. VASILACHE, <b>A.V. SANDU</b> , G. MARUSIC, <i>Implicarea ceramicilor in potabilizarea apelor de suprafata si subterane</i> , Ed. Universității Alexandru Ioan Cuza Iași (ISBN 978-606-714-451-2), 2018, 250p Punctaj: 250/(10x6)=4,17		4,17
4. O.C. CORBU, <b>A.V. SANDU</b> , <b>Materiale Compozite Cementoase Speciale. Teorie și aplicații practice pentru studenți</b> , Ed. Pim, (ISBN 978-606-13-8261-3), 2024, 186p. Punctaj: 186/(10x2)=9,3		9,3
<b>A1.2.2 Îndrumătoare de laborator/aplicații</b>		<b>8,20</b>
1. <b>A.V. SANDU</b> , <b>Managementul de Mediu în Ingineria Materialelor, I. Teorie și aplicații pentru studenți</b> , Ed. Pim, (ISBN ), 2018, 164 p. Punctaj: 164/(20x1)=8,2		8,20
<b>PUNCTAJ TOTAL Domeniu de activitate A1</b>		<b>187,49</b>

A2. Activitatea de cercetare			Punctaj
A2.1 Articole în reviste cotate ISI Web of Science și în volume indexate ISI proceedings ( <b>Punctaj = 50*FI/nr. autori</b> ) <b>CONDIȚII: Min. 15 articole, din care min. 10 cotate WoS (din care min. 5 cu FI&gt;1 și min. 5 ca autor principal cu FI&gt;0,5)</b>  <b>388 articole indexate Web of Science (341 articole cu FI + 47 articole in Proceedinguri si Reviste fara FI)</b> <b>77 de articole ca autor principal (6 prim-autor, 71 autor corespondent), din care 75 cu FI &gt; 0,5</b> <b>Peste 250 articole publicate in Jurnale cu FI &gt; 1</b>			5311,68
A.2.1.1. Burduhos Nergis, D.P.; Munteanu, C.; Acasandrei, M.-A.; Epure, L.-E.; Cimpoesu, N.; Bejinariu, C.; <b>Sandu, A.-V.</b> ; Burduhos-Nergis, D.-D., Micromorphology and properties of novel phosphate conversion coatings based on zinc–magnesium and zinc–zirconium deposited on Ti6Al4V. <b>SURFACES AND INTERFACES</b> , 2025, 107884. <a href="https://doi.org/10.1016/j.surfin.2025.107884">https://doi.org/10.1016/j.surfin.2025.107884</a>	6.3	8	39.38
A.2.1.2. Rahim, N.A.A.; Noor, N.M.; Jafri, I.A.M.; Ul-Saufie, A.Z.; Kamaruddin, M.A.; Zainol, M.R.R.M.A.; <b>Sandu, A.V.</b> ; Vizureanu, P.; Deak G., Modelling Particulate Matter (PM10) Variations During Transboundary Haze Events Using a Modified Quantile Regression Approach, <b>ANALYTICAL SCIENCE ADVANCES</b> , 2025, Volume 6, Issue 2, e70027 <a href="https://doi.org/10.1002/ansa.70027">https://doi.org/10.1002/ansa.70027</a>	4.1	9	22.78
A.2.1.3. Shueb, M.I.; Mohamad, N.; Sapuan, S.Z.; Khee, Y.S.; Che Halin, D.S.; <b>Sandu, A.V.</b> ; Vizureanu, P. Graphene Nanoplatelets Reinforced ABS Nanocomposite Films by Sonication-Assisted Cast Film Technique for Emission Shielding Application. <b>MATERIALS</b> , 2025, 18, 2645. <a href="https://doi.org/10.3390/ma18112645">https://doi.org/10.3390/ma18112645</a> (Corresponding author)	3.2	7	22.86
A.2.1.4. Arokiasamy, P.; Abdullah, M.M.A.; Arifi, E.; Razak, R.A.; Rojviriyia, C.; Mydin, M.A.O.; <b>Sandu, A.V.</b> ; Yaacob, N.A.; Mohamed, R. Hydroxyapatite Incorporated Geopolymer Porous Adsorbent for Efficient Removal of Copper Ions and Ciprofloxacin, <b>JOURNAL OF THE AMERICAN CERAMIC SOCIETY</b> , 2025, 108, 9, DOI: 10.1111/jace.20618.	3.8	9	21.11
A.2.1.5. Sangar, A.S.; Nadzri, N.I.M.; Halin, D.S.C.; Salleh, M.A.A.M.; Abdullah, M.M.A.; <b>Sandu, A.V.</b> ; Putthisigamany, Y.; Vizureanu, P. Vacuum Annealing-Induced Modifications in CoCrFeMnNi Thin Films: Surface Morphology, Conductivity, and Work Function, <b>JOM</b> , 2025, 77, 6, p. 4632-4640, DOI: 10.1007/s11837-025-07346-7.	2.3	8	14.38
A.2.1.6. Foca, P.I.; Sandu, I.; Deák, G.; <b>Sandu, A.V.</b> ; Gheorghe, F.D.; Sandu, I.G. Restoration of Exterior and Interior Finishes of Historical Monuments, Innovative Solutions with Multi-Effect Additive Mortar, <b>INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE</b> , 2025, 16, 2, p. 807-818, DOI: 10.36868/IJCS.2025.02.04.	0.8	6	6.67
A.2.1.7. Jez, K.; Pietrusiewicz, P.; <b>Sandu, A.V.</b> ; Salleh, M.A.A.M.; Nabialek, M.M.; Jaruga, T. Research on the Influence of Small Changes in the Chemical Composition on Changes in the Environment of Fe Atoms in Rapid-Quenched Alloys, <b>ACTA PHYSICA POLONICA A</b> , 2025, 147, 3, p. 156-158, DOI: 10.12693/APhysPolA.147.156.	0.5	6	4.17
A.2.1.8. Minciuna, M.G.; Vizureanu, P.; <b>Sandu, A.V.</b> ; Istrate, B. Evaluation of Wear Mechanisms of an Aluminum Alloy in Emergency Applications, <b>ARCHIVES OF METALLURGY AND MATERIALS</b> , 2025, 70, 2, p. 913-920, DOI: 10.24425/amm.2025.153494.	0.7	4	8.75
A.2.1.9. Mustapa, N.B.; Ahmad, R.; Abdullah, M.M.A.; Ibrahim, W.M.W.; Mydin, M.A.O.; <b>Sandu, A.V.</b> The Effects of Thermal Evolution During Sintering Mechanism of Geopolymer-Based Ceramics, <b>ARCHIVES OF METALLURGY AND MATERIALS</b> , 2025, 70, 1, p. 193-198, DOI: 10.24425/amm.2025.152533.	0.7	6	5.83
A.2.1.10. Perju, M.C.; Nejneru, C.; Cimpoesu, R.; Vizureanu, P.; <b>Sandu, A.V.</b> ; Minciuna, M.G. Evaluation of Physico-Chemical Properties of Carboxymethyl Cellulose Quenching Environment Depending on the Degree of Thermal Degradation, <b>ARCHIVES OF METALLURGY AND MATERIALS</b> , 2025, 70, 1, p. 435-444, DOI: 10.24425/amm.2025.152563.	0.7	6	5.83

A.2.1.11.	Jusoh, S.M.; Ghazali, C.M.R.; Nik, W.N.W.; Zulkifli, M.F.R.; Abdullah, S.; Mustapha, R.; Abdan, K.; Radzi, F.S.M.; Zainulabidin, S.H.; Rosli, M.H. Sandu A.V. Manufacturing Defects, Interfacial Adhesion, Impact and Water Absorption Properties of Hybrid Polyester Composite in Boat Construction, <b>ARCHIVES OF METALLURGY AND MATERIALS</b> , 2025, 70, 1, p. 461-466, DOI: 10.24425/amm.2025.152566.	0.7	11	3.18
A.2.1.12.	Angelova, L.; Burduhos-Nergis, D.D.; Surleva, A.; <b>Sandu, A.V.</b> ; Ilieva, D.; Chernev, G.; Vizureanu, P. Study of Heavy Metal Encapsulation in Geopolymerized Industrial Waste by Sequential Extraction, <b>JOM</b> , 2025, 77, 3, p. 1385-1394, DOI: 10.1007/s11837-024-07049-5.	2.3	7	16.43
A.2.1.13.	Arokiasamy, P.; Abdullah, M.M.A.B.; Arifi, E.; Jamil, N.H.; Mydin, M.A.O.; Rahim, S.Z.A.; <b>Sandu, A.V.</b> ; Ishak, S. Sustainable Geopolymer Adsorbents Utilizing Silica Fume as a Partial Replacement for Metakaolin in the Removal of Copper Ion from Synthesized Copper Solution, <b>CASE STUDIES IN CONSTRUCTION MATERIALS</b> , 2025, e04142.	6.6	8	41.25
A.2.1.14.	Vizureanu, P.; Deák, G.; Burduhos Nergis, D.D.; <b>Sandu, A.V.</b> Remedial Solutions And Conservation Of Marine Environments: A Review, <b>INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE</b> , 2024, 15, 4, p. 1841 - 1854, DOI: 10.36868/IJCS.2024.04.16	0.8	4	10.00
A.2.1.15.	Hashim, A.N.; Salleh, M.A.A.M.; Ramli, M.M.; Abdullah, M.M.A.; <b>Sandu, A.V.</b> ; Vizureanu, P. The behavior of Sn whisker growth on Sn-0.7Cu-0.05Ni solder joint during thermal cycling, <b>JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS</b> , 2024, 35, 32, Article Number 2059, DOI: 10.1007/s10854-024-13805-9	2.8	6	23.33
A.2.1.16.	Sandu, I.; Drobota, V.; Drob, A.; <b>Sandu, A.V.</b> ; Vasilache, V.; Iurcovschi, C.T.; Sandu, I.G. Authentication of a Bronze Bust of Napoleon I, Attributed to Renzo Colombo from 1885. <b>HERITAGE</b> 2024, 7, 5748-5773. <a href="https://doi.org/10.3390/heritage7100270">https://doi.org/10.3390/heritage7100270</a> (Corresponding author)	1,9	7	13.57
A.2.1.17.	Sandu, I.; Drobota, V.; Drob, A.; <b>Sandu, A.V.</b> ; Vasilache, V.; Iurcovschi, C.T.; Sandu, I.G. Authentication of a Painting Attributed to the Rembrandt School. <b>APPLIED SCIENCES</b> 2024, 14, 8655. <a href="https://doi.org/10.3390/app14198655">https://doi.org/10.3390/app14198655</a> (Corresponding author)	2.5	7	17.86
A.2.1.18.	Zaitseva, V.; <b>Sandu, A.V.</b> ; Smilka, V.; Boros, B.; Ivashko, O.; Kozlowski, T.; Kharaborska, Y.; Shevcenko, L. Aspects On Preserving Wall Paintings (Example Of Ukraine And China), <b>INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE</b> , 2024, 15, 3, p. 1351-1370, DOI: 10.36868/IJCS.2024.03.13	0.8	8	5.00
A.2.1.19.	M.M. Ahmad, R.A. Razak, M.M. Al Bakri Abdullah, K. Muhamad, A.O. Mydin, A.V. Sandu, Stabilization of Lateritic Soil using Fly Ash Based Geopolymer, <b>ARCHIVES OF METALLURGY AND MATERIALS</b> , 69, 3, 2024, 1165-1173, DOI: <a href="https://doi.org/10.24425/amm.2024.150939">10.24425/amm.2024.150939</a>	0.7	6	5.83
A.2.1.20.	L. Tóth, R.E. Fábíán, P. Pinke, T.A. Kovács, M. Nabiałek, A.V. Sandu, P. Vizureanu, Comparison of the Properties of Cold Work Tool Steels with the Same Hardness but Different Manufacturing Processes The required important properties, <b>ARCHIVES OF METALLURGY AND MATERIALS</b> , 69, 3, 2024, 809-817, DOI: <a href="https://doi.org/10.24425/amm.2024.150900">https://doi.org/10.24425/amm.2024.150900</a> .	0.7	7	5.00
A.2.1.21.	Azani, A.; Halin, D.S.C.; Salleh, M.A.A.M.; Razak, K.A.; Abdullah, M.M.A.; Ramli, M.M.; Vizureanu, P.; Razak, M.F.S.A.; <b>Sandu, A.V.</b> ; Mohamad, N., Surface Modification of GO/TiO <sub>2</sub> Thin Film by Sodium Dodecyl Sulphate for Photocatalytic Applications, <b>JOM</b> , 2024, DOI10.1007/s11837-024-06694-0	2.3	10	11.50
A.2.1.22.	R. Abd Razak, A.N.D. Kiong, M.M. Al Bakri Abdullah, Md A.O. Mydin, A.V. Sandu, Z. Yahya, A. Abdullah, P. Risdanareni, E. Arifi, Feasibility Of Treated Sand Brick Waste With Silica Fume Based Geopolymer For Coarse Aggregate Application, <b>ARCHIVES OF METALLURGY AND MATERIALS</b> , 69, 2, 2024, 739-745, DOI: <a href="https://doi.org/10.24425/amm.2024.149805">https://doi.org/10.24425/amm.2024.149805</a>	0.7	9	3.89
A.2.1.23.	Wang, S.R.; Sandu, I.; Ivashko, Y.; Krupa, M.; Krukowiecka-Brzeczek, A.; Yevdokimova, T.; Stavroyany, S.; Kravchuk, O.; <b>Sandu, A.V.</b> Methods For The Preservation And Restoration Of Dunhuang Wall Paintings: Foreign Experience, <b>INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE</b> , 2024, 15, 1, p. 731 – 748, DOI: 10.36868/IJCS.2024.01.24	0.8	9	4.44
A.2.1.24.	Sandu, I.; Wang, S.; Boros, B.; Ivashko, Y.; <b>Sandu, A.V.</b> ; Tislar, P. Analysis Of The Wall Painting Of The Dunhuang Fresco As A Basis For Its Preservation And Restoration, <b>INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE</b> , 2024, 15, SI, p. 371-388, DOI: 10.36868/IJCS.2024.SI.27	0.8	6	6.67



A.2.1.25.	Arokiasamy, P.; Abdullah, M.M.A.B.; Rahim, S.Z.A.; Sandu, A.V.; Fedrigo, A.; Ediat, R.; Ishak, S.; Kaus, N.HM. Hydroxyapatite incorporated metakaolin/sludge based geopolymer adsorbent for copper ions and ciprofloxacin removal: Synthesis, characterization and mechanisms, <b>ARABIAN JOURNAL OF CHEMISTRY</b> 2024, Volume 17, Issue 5, May 2024, 105745, <a href="https://doi.org/10.1016/j.arabjc.2024.105745">https://doi.org/10.1016/j.arabjc.2024.105745</a>	5.2	8	32.50
A.2.1.26.	Ilieva, D.; Angelova, L.; Radoykova, T.; Surleva, A.; Chernev, G.; Vizureanu, P.; Burduhos-Nergis, D.D.; Sandu, A.V. Characterization of Bulgarian Copper Mine Tailing as a Precursor for Obtaining Geopolymers. <b>MATERIALS</b> 2024, 17, 542. <a href="https://doi.org/10.3390/ma17030542">https://doi.org/10.3390/ma17030542</a>	3.2	8	20.00
A.2.1.27.	Nabialek, M.; Wyslocki, J.J.; Jaruga, T.; Bloch, K.; Sandu, A.V.; Savinkin, V.V.; Mohd Salleh, M.A.A.; Jez, B.; The Phenomenon of Magnetic Anisotropy in Amorphous Materials Produced Using the Injection-Casting Method, <b>ACTA PHYSICA POLONICA A</b> , 144, 5, 2023, 410-413; 10.12693/APhysPolA.144.410	0.5	8	3.13
A.2.1.28.	Garus, S.; Sochacki, W.; Garus, J.; Rzacki, J.; Vizureanu, P.; Sandu, A.V., <i>Transmission of a Phononic Superlattice Made of Dynamic Materials</i> , <b>ACTA PHYSICA POLONICA A</b> , 144, 5, 2023, 317-321; 10.12693/APhysPolA.144.317	0.5	6	4.17
A.2.1.29.	Jez, B.; Nabialek, M.; Pietrusiewicz, P.; Nabialek, M.M.; Sandu, A.V.; Stachowiak, T., Study of the Real Structure of Soft Magnetic Amorphous Alloys Using Mossbauer Spectroscopy, <b>ACTA PHYSICA POLONICA A</b> , 144, 5, 2023, 387-390; 10.12693/APhysPolA.144.387	0.5	6	4.17
A.2.1.30.	Nabialek, M.; Halin, D.S.C.; Gondro, J.; Abdullah, M.M.A.B.; Sandu, A.V.; Jez, B., Influence of Hf and Y Content on the Local Occurrence of Antiferromagnetic Interactions in Amorphous Fe-Based Alloys, <b>ACTA PHYSICA POLONICA A</b> , 144, 5, 2023, 304-307; 10.12693/APhysPolA.144.304	0.5	6	4.17
A.2.1.31.	Nabialek, M.; Pietrusiewicz, P.; Palutkiewicz, P.; Bloch, K.; Abdullah, M.M.A.B.; Sandu, A.V.; Jez, B., Changes in the Initial Magnetic Susceptibility in Amorphous Alloys Exhibiting Soft Magnetic Properties, <b>ACTA PHYSICA POLONICA A</b> , 144, 5, 2023, 322-324; DOI 10.12693/APhysPolA.144.322	0.5	7	3.57
A.2.1.32.	Burduhos-Nergis, D.D.; Vizureanu, P.; Sandu, A.V.; Cimpoesu, N., Mechanical performance of fly ash blended geopolymer composite reinforced with recycled glass fiber, <b>ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL</b> , 22, 8, 2023, 1329-1339; <a href="https://doi.org/10.30638/eemj.2023.110">https://doi.org/10.30638/eemj.2023.110</a>	0.9	4	11.25
A.2.1.33.	Baltatu, M.S.; Vizureanu, P.; Sandu, A.V.; Solcan, C.; Hritcu, L.D.; Spataru, M.C. Research Progress of Titanium-Based Alloys for Medical Devices. <b>BIOMEDICINES</b> 2023, 11, 2997. <a href="https://doi.org/10.3390/biomedicines11112997">https://doi.org/10.3390/biomedicines11112997</a>	3.9	6	32.50
A.2.1.34.	Mohamad, N.A.; Hamzah, S.; Hairom, N.H.H.; Zahid, M.S.A.; Ali, K.A.M.; Ghazali, C.M.R.; Sandu, A.V.; Abdullah, M.M.A.B.; Vizureanu, P. Poly-ferric sulphate as superior coagulant: A review on preparation methods and properties, <b>REVIEWS ON ADVANCED MATERIALS SCIENCE</b> , 2023, 62, 20220327, <a href="https://doi.org/10.1515/rams-2022-0327">https://doi.org/10.1515/rams-2022-0327</a> <span style="color: green;">Corresponding author</span>	3.9	8	24.38
A.2.1.35.	Antonovici, M.O.; Sandu, I.G.; Vasilache, V.; Sandu, A.V.; Arcana, S.; Arcana, R.I.; Sandu, I. Implications in Halotherapy of Aerosols from the Salt Mine Targu Ocna—Structural-Functional Characteristics. <b>HEALTHCARE</b> 2023, 11, 2104. <a href="https://doi.org/10.3390/healthcare11142104">https://doi.org/10.3390/healthcare11142104</a>	2.7	7	19.29
A.2.1.36.	Mustapa, N.B.; Ahmad, R.; Al Bakri Abdullah, M.M.; Ibrahim, W.M.W.; Sandu, A.V.; Nemes, O.; Vizureanu, P.; Kartikowati, C.W.; Risdanareni, P. Effect of the Sintering Mechanism on the Crystallization Kinetics of Geopolymer-Based Ceramics. <b>MATERIALS</b> 2023, 16, 5853. <a href="https://doi.org/10.3390/ma16175853">https://doi.org/10.3390/ma16175853</a>	3.2	9	17.78
A.2.1.37.	Burduhos Nergis, D.D.; Bejinariu, C.; Cazac, A.M.; Sandu, A.V.; Vizureanu, P. XRD and STA characterization of phosphate layers deposited on the carbon steel surface, <b>ARCHIVES OF METALLURGY AND MATERIALS</b> , 68, 3, 2023, 955-960 DOI: <a href="https://doi.org/10.24425/amm.2023.145459">https://doi.org/10.24425/amm.2023.145459</a>	0.7	5	7.00
A.2.1.38.	Perju, M.C.; Nejneru, C.; Burduhos-Nergis, D.D.; Vizureanu, P.; Minciuna, M.G.; Sandu, A.V. Study of the effect of intensity of vibrations and temperature on the cooling characteristics of quenching media, <b>ARCHIVES OF METALLURGY AND MATERIALS</b> , 68, 3, 2023, 997-1002, DOI: <a href="https://doi.org/10.24425/amm.2023.145466">https://doi.org/10.24425/amm.2023.145466</a>	0.7	6	5.83

A.2.1.39.	Burduhos Nergis, D.P.; Sandu, A.V.; Burduhos Nergis, D.D.; Vizureanu, P.; Bejinariu, C. Phosphate Conversion Coating – a short review, <b>ARCHIVES OF METALLURGY AND MATERIALS</b> , 68, 3, 2023, 1029-1034 DOI: <a href="https://doi.org/10.24425/amm.2023.145471">https://doi.org/10.24425/amm.2023.145471</a>	0.7	5	7.00
A.2.1.40.	Wei, L.K.; Abd Rahim, S.Z.; Al Bakri Abdullah, M.M.; Yin, A.T.M.; Ghazali, M.F.; Omar, M.F.; Nemeş, O.; Sandu, A.V.; Vizureanu, P.; Abdellah, A.E.-h. Producing Metal Powder from Machining Chips Using Ball Milling Process: A Review. <b>MATERIALS</b> 2023, 16, 4635. <a href="https://doi.org/10.3390/ma16134635">https://doi.org/10.3390/ma16134635</a>	3.2	10	16.00
A.2.1.41.	Lai, D.S., Osman, A.F., Adnan, S.A., Ibrahim, I., Sandu, A.V., Abd Rahim, S.Z., Vizureanu, P. The role of natural hybrid nanobentonite/nanocellulose in enhancing the water resistance properties of the biodegradable thermoplastic starch. <b>E-POLYMERS</b> , 2023, 23, 1, 20230014. DOI10.1515/epoly-2023-0014.	3.3	7	23.57
A.2.1.42.	Rahim, N.A.; Noor, N.M.; Jafri, I.A.M.; Ul-Saufie, A.Z.; Ramli, N.; Seman, N.A.A.; Kamarudzaman, A.N.; Zainol, M.R.R.M.A.; Sandu, A.V., Deak, G. Variability of PM10 level with gaseous pollutants and meteorological parameters during episodic haze event in Malaysia: Domestic or solely transboundary factor? <b>HELIYON</b> , 2023, 9, 6, e17472, <a href="https://doi.org/10.1016/j.heliyon.2023.e17472">https://doi.org/10.1016/j.heliyon.2023.e17472</a> .	3.6	10	18.00
A.2.1.43.	Burduhos-Nergis, D.D.; Vizureanu, P.; Achitei, D.C.; Sandu A.V.; Burduhos-Nergis, D.P.; Abdullah, M.M.A.B. The Influence of sintering temperature on the microstructure of coal-ashed based geopolymers, <b>ARCHIVES OF METALLURGY AND MATERIALS</b> , 68 2,, 2023, 631-637, DOI: <a href="https://doi.org/10.24425/amm.2023.142444">https://doi.org/10.24425/amm.2023.142444</a>	0.7	6	5.83
A.2.1.44.	Amlı, S.F.M.; Salleh, M.A.A.M.; Aziz, M.S.A.; Yasuda, H.; Nogita, K.; Abdullah, M.M.A.B.; Nemes, O.; Sandu, A.V.; Vizureanu, P. Effects of Multiple Reflow on the Formation of Primary Crystals in Sn-3.5Ag and Solder Joint Strength: Experimental and Finite Element Analysis. <b>MATERIALS</b> 2023, 16, 4360. <a href="https://doi.org/10.3390/ma16124360">https://doi.org/10.3390/ma16124360</a>	3.2	9	17.78
A.2.1.45.	Mustapa, N.B.; Ahmad, R.; Ibrahim, W.M.W.; Abdullah, M.M.A.B.; Wattanasakulpong, N.; Nemeş, O.; Sandu, A.V.; Vizureanu, P.; Sandu, I.G.; Kartikowati, C.W.; et al. Effect of Sintering Mechanism towards Crystallization of Geopolymer Ceramic—A Review. <b>MATERIALS</b> 2023, 16, 4103. <a href="https://doi.org/10.3390/ma16114103">https://doi.org/10.3390/ma16114103</a>	3.2	11	14.55
A.2.1.46.	Lates, C.G.; Dumitras, C.G.; Vizureanu, P.; Sandu, A.V. Heat Transfer Optimization of an Electronic Control Unit Immersed in Forced Liquid Coolant. <b>Applied Sciences</b> . 2023, 13, 5310. <a href="https://doi.org/10.3390/app13095310">https://doi.org/10.3390/app13095310</a> .	2.5	4	31.25
A.2.1.47.	Ivashko, Y.; Mykhailovskyi, D.; Tovbych, V.; Kobylarczyk, J.; Kusnierz-Krupa, D.; Dmytrenko, A.; Kharaborska, Y.; Sandu, A.V. Problems of plants revitalization in the east of ukraine after the war. <b>INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE</b> , 2023, 14, 2, 551-562. DOI10.36868/IJCS.2023.02.12	0.8	8	5.00
A.2.1.48.	Saleh, S.S.M.; Omar, M.F.; Akil, H.M.; Kudus, M.H.A.; Abdullah, M.M.A.B.; Sandu, A.V.; Vizureanu, P.; Halim, K.A.A.; Rasidi, M.S.M.; Mahamud, S.N.S.; Sandu, I.; Nosbi, N. Preparation of Carbon Nanotubes/Alumina Hybrid-Filled Phenolic Composite with Enhanced Wear Resistance. <b>MATERIALS</b> 2023, 16, 2772. <a href="https://doi.org/10.3390/ma16072772">https://doi.org/10.3390/ma16072772</a> Corresponding author	3.2	12	13.33
A.2.1.49.	Savinkin, V.V.; Ivanova, O.V.; Zhumekenova, Z.Z.; Sandu, A.V.; Vizureanu, P. Effect of New Design of the Laser Installation and Spraying Method on the Physical and Mechanical Properties the Inner Surface a Small Diameter Coated with 15Cr17Ni12V3F35ZrO2. <b>COATINGS</b> 2023, 13, 514. <a href="https://doi.org/10.3390/coatings13030514">https://doi.org/10.3390/coatings13030514</a>	2.8	5	28.00
A.2.1.50.	Hashim, A.N.; Salleh, M.A.A.M.; Ramli, M.M.; Abdullah, M.M.A.B.; Sandu, A.V.; Vizureanu, P.; Sandu, I.G. Effect of Isothermal Annealing on Sn Whisker Growth Behavior of Sn0.7Cu0.05Ni Solder Joint. <b>MATERIALS</b> 2023, 16, 1852. <a href="https://doi.org/10.3390/ma16051852">https://doi.org/10.3390/ma16051852</a>	3.2	7	22.86
A.2.1.51.	Redzuan, S.N.; Noor, N.M.; Rahim, N.A.A.A.; Jafri, I.A.M.; Baidrulhisham, S.E.; Ul-Saufie, A.Z.; Sandu, A.V.; Vizureanu, P.; Zainol, M.R.R.M.A.; Deák, G. Characteristics of PM10 Level during Haze Events in Malaysia Based on Quantile Regression Method. <b>ATMOSPHERE</b> 2023, 14, 407. <a href="https://doi.org/10.3390/atmos14020407">https://doi.org/10.3390/atmos14020407</a> Corresponding author	2.3	9	12.78
A.2.1.52.	Kassim, N.; Rahim, S.Z.A.; Ibrahim, W.A.R.A.W.; Shuaib, N.A.; Rahim, I.A.; Karim, N.A.; Sandu, A.V.; Pop, M.; Titu, A.M.; Błoch, K.; Nabiałek, M. Sustainable Packaging Design for Molded Expanded Polystyrene Cushion. <b>MATERIALS</b> 2023, 16, 1723. <a href="https://doi.org/10.3390/ma16041723">https://doi.org/10.3390/ma16041723</a>	3.2	11	14.55



A.2.1.53.	Ibrahim, W.M.A.W.; Abdullah, M.M.A.B.; Jamil, N.H.; Mohamad, H.; Salleh, M.A.A.M.; Sandu, A.V.; Vizureanu, P.; Baltatu, M.S.; Sukmak, P. Alkaline-Activation Technique to Produce Low-Temperature Sintering Activated-HAp Ceramic. <b>APPLIED SCIENCES</b> 2023, 13, 2643. <a href="https://doi.org/10.3390/app13042643">https://doi.org/10.3390/app13042643</a> <b>Corresponding author</b>	2.5	9	13.89
A.2.1.54.	Mydin, M.A.O.; Abdullah, M.M.A.B.; Razak, R.A.; Naw, M.N.M.; Risdanareni, P.; Puspitasari, P.; Sandu, A.V.; Baltatu, M.S.; Vizureanu, P. Study on Polypropylene Twisted Bundle Fiber Reinforced Lightweight Foamed Concrete. <b>BUILDINGS</b> 2023, 13, 541. <a href="https://doi.org/10.3390/buildings13020541">https://doi.org/10.3390/buildings13020541</a>	3.1	9	17.22
A.2.1.55.	Aziz, I.H.A.; Abdullah, M.M.A.B.; Razak, R.A.; Yahya, Z.; Salleh, M.A.A.M.; Chaiprapa, J.; Rojviriy, C.; Vizureanu, P.; Sandu, A.V.; Tahir, M.F.; Abdullah, A.; Jamaludin, L. Mechanical Performance, Microstructure, and Porosity Evolution of Fly Ash Geopolymer after Ten Years of Curing Age. <b>MATERIALS</b> 2023, 16, 1096. <a href="https://doi.org/10.3390/ma16031096">https://doi.org/10.3390/ma16031096</a>	3.2	12	13.33
A.2.1.56.	Luhar, I.; Luhar, S.; Abdullah, M.M.A.B.; Sandu, A.V.; Vizureanu, P.; Razak, R.A.; Burduhos-Nergis, D.D.; Imjai, T. Solidification/Stabilization Technology for Radioactive Wastes Using Cement: An Appraisal. <b>MATERIALS</b> 2023, 16, 954. <a href="https://doi.org/10.3390/ma16030954">https://doi.org/10.3390/ma16030954</a> <b>Corresponding author</b>	3.2	8	20.00
A.2.1.57.	Jamaludin, L.; Razak, R.A.; Al Bakri Abdullah, M.M.; Vizureanu, P.; Sandu, A.V.; Abd Rahim, S.Z.; Ahmad, R. Solid-to-Liquid Ratio Influenced on Adhesion Strength of Metakaolin Geopolymer Coating Paste Added Photocatalyst Materials. <b>COATINGS</b> 2023, 13, 236. <a href="https://doi.org/10.3390/coatings13020236">https://doi.org/10.3390/coatings13020236</a>	2.8	7	20.00
A.2.1.58.	Wattanapanich, C.; Imjai, T.; Garcia, R.; Rahim, N.L.; Abdullah, M.M.A.B.; Sandu, A.V.; Vizureanu, P.; Matasaru, P.D.; Thomas, B.S. Computer Simulations of End-Tapering Anchorages of EBR FRP-Strengthened Prestressed Concrete Slabs at Service Conditions. <b>MATERIALS</b> 2023, 16, 851. <a href="https://doi.org/10.3390/ma16020851">https://doi.org/10.3390/ma16020851</a> <b>Corresponding author</b>	3.2	9	17.78
A.2.1.59.	Mubarak, Z.R.; Mahmed, N.; Norizan, M.N.; Mohamad, I.S.; Abdullah, M.M.A.B.; Bloch, K.; Nabialek, M.; Baltatu, M.S.; Sandu, A.V.; Vizureanu, P. Near-Infrared (NIR) Silver Sulfide (Ag <sub>2</sub> S) Semiconductor Photocatalyst Film for Degradation of Methylene Blue Solution. <b>MATERIALS</b> 2023, 16, 437. <a href="https://doi.org/10.3390/ma16010437">https://doi.org/10.3390/ma16010437</a>	3.2	10	16.00
A.2.1.60.	Chiriac, G.-G.; Dumitras, C.G.; Chitariu, D.F.; Vizureanu, P.; Sandu, A.V. Influence of Gravity on Passively Cooled Heat Sink Using Experimental Data and Finite Element Analysis. <b>PROCESSES</b> 2023, 11, 896. <a href="https://doi.org/10.3390/pr11030896">https://doi.org/10.3390/pr11030896</a>	2.8	5	28.00
A.2.1.61.	Roduan, S.F.; Wahab, J.A.; Salleh, M.A.A.M.; Mahayuddin, N.A.H.M.; Abdullah, M.M.A.B.; Halil, A.B.M.; Zaifuddin, A.Q.S.; Muhammad, M.I.; Sandu, A.V.; Baltatu, M.S.; et al. Effectiveness of Dimple Microtextured Copper Substrate on Performance of Sn-0.7Cu Solder Alloy. <b>MATERIALS</b> 2023, 16, 96. <a href="https://doi.org/10.3390/ma16010096">https://doi.org/10.3390/ma16010096</a>	3.2	11	14.55
A.2.1.62.	Magiswaran, K.; Norizan, M.N.; Mahmed, N.; Mohamad, I.S.; Idris, S.N.; Sabri, M.F.M.; Amin, N.; Sandu, A.V.; Vizureanu, P.; Nabialek, M.; et al. Controlling the Layer Thickness of Zinc Oxide Photoanode and the Dye-Soaking Time for an Optimal-Efficiency Dye-Sensitized Solar Cell. <b>COATINGS</b> 2023, 13, 20. <a href="https://doi.org/10.3390/coatings13010020">https://doi.org/10.3390/coatings13010020</a>	2.8	11	12.73
A.2.1.63.	Selvan, M.; Abdul Aziz, M.S.; Salleh, M.A.A.M.; Sharif, N.M.; Khor, C.Y.; Ong, H.P.; Zainol, M.R.R.M.A.; Vizureanu, P.; Burduhos-Nergis, D.-P.; Sandu, A.V. Influence of Fin Thickness on the Thermal Performance and Selection of Coating Method for a Bus Duct Conductor. <b>COATINGS</b> 2023, 13, 12. <a href="https://doi.org/10.3390/coatings13010012">https://doi.org/10.3390/coatings13010012</a>	2.8	10	14.00
A.2.1.64.	Che Halin, D.S., Azhari, A.W., Mohd Salleh, M.A.A., Muhammad Nadzri, N.I., Vizureanu, P., Abdullah, M.M.A.B., Wahab, J.A., Sandu, A.V., Metal-Doped TiO <sub>2</sub> Thin Film as an Electron Transfer Layer for Perovskite Solar Cells: A Review, <b>COATINGS</b> , 2023, 13, 4. <a href="https://doi.org/10.3390/coatings13010004">https://doi.org/10.3390/coatings13010004</a> . <b>Corresponding author</b>	2.8	8	17.50
A.2.1.65.	Burduhos-Nergis, D.D.; Vizureanu, P.; Baltatu, M.S.; Sandu, A.V.; Burduhos-Nergis, D.P. A bibliometric analysis of research on fiber reinforced geopolymer composites. <b>UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES B-CHEMISTRY AND MATERIALS SCIENCE</b> , 2023, 85, 1, 129-138	0.3	5	3.00
A.2.1.66.	Muhammad Nadzri, N.I., Halin, D.S.C., Al Bakri Abdullah, M.M., Joseph, S., Mohd Salleh, M.A.A., Vizureanu, P., Burduhos-Nergis, D.-P., Sandu, A.V., High-Entropy Alloy for Thin Film Application: A Review. <b>COATINGS</b> 2022, 12, 1842. <a href="https://doi.org/10.3390/coatings12121842">https://doi.org/10.3390/coatings12121842</a> <b>Corresponding author</b>	2.8	8	17.50

A.2.1.67.	Mydin, M.A.O., Abdullah, M.M.A.B., Mohd Nawi, M.N., Yahya, Z., Sofri, L.A., Baltatu, M.S., <u>Sandu, A.V.</u> , Vizureanu, P., Influence of Polyformaldehyde Monofilament Fiber on the Engineering Properties of Foamed Concrete. <b>MATERIALS</b> 2022, 15, 8984. <a href="https://doi.org/10.3390/ma15248984">https://doi.org/10.3390/ma15248984</a>	3.2	8	20.00
A.2.1.68.	Arokiasamy P., Abdullah M.M.A.B., Abd Rahim S.Z., Mohd Arif Zainol M.R.R., Mohd Salleh M.A.A., Kheimi M., Chairapa J., Sandu A.V., Vizureanu P., Abdul Razak R., Jamil N.H., Metakaolin/sludge based geopolymer adsorbent on high removal efficiency of Cu <sup>2+</sup> , <b>CASE STUDIES IN CONSTRUCTION MATERIALS</b> , 2022, 17, e01428. 10.1016/j.cscm.2022.e01428	6.6	11	30.00
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A.2.1.70.	Mohamad, I.S.; Norizan, M.N.; Mahmed, N.; Jamalullail, N.; Halin, D.S.C.; Salleh, M.A.A.M.; <u>Sandu, A.V.</u> ; Baltatu, M.S.; Vizureanu, P. Enhancement of Power Conversion Efficiency with Zinc Oxide as Photoanode and Cyanococcus, Punica granatum L., and Vitis vinifera as Natural Fruit Dyes for Dye-Sensitized Solar Cells. <b>COATINGS</b> 2022, 12, 1781. <a href="https://doi.org/10.3390/coatings12111781">https://doi.org/10.3390/coatings12111781</a> . <a href="#">Corresponding author</a>	2.8	9	15.56
A.2.1.71.	Baidrulhisham, S.E., Noor, N.M., Hassan, Z., <u>Sandu, A.V.</u> , Vizureanu, P., Ul-Saufie, A.Z., Zainol, M.R.R.M.A., Kadir, A.A., Deak, G., Effects of Weather and Anthropogenic Precursors on Ground-Level Ozone Concentrations in Malaysian Cities, <b>ATMOSPHERE</b> , 2022, 13, 11, 1780. DOI10.3390/atmos13111780 <a href="#">Corresponding author</a>	2.5	9	13.89
A.2.1.72.	Jamil, N.H., Abdullah, M.M.A., Ibrahim, W.M.A.W., Rahim, R., <u>Sandu, A.V.</u> , Vizureanu, P., Castro-Gomes, J., Gomez-Soberon, J.M., Effect of Sintering Parameters on Microstructural Evolution of Low Sintered Geopolymer Based on Kaolin and Ground-Granulated Blast-Furnace Slag, <b>CRYSTALS</b> , 12, 11, 2022, 1553, DOI10.3390/cryst12111553 <a href="#">Corresponding author</a>	2.4	8	15.00
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A.2.1.76.	Jamaludin, L., Abd Razak, R., Abdullah, M.M.A., Vizureanu, P., Bras, A., Imjai, T., <u>Sandu, A.V.</u> , Abd Rahim, S.Z., Yong, H.C., The Suitability of Photocatalyst Precursor Materials in Geopolymer Coating Applications: A Review, <b>COATINGS</b> , 2022, 12, 9, 1348. DOI10.3390/coatings12091348	2.8	9	15.56
A.2.1.77.	Ul-Saufie, A.Z., Hamzan, N.H., Zahari, Z., Shaziayani, W.N., Noor, N.M., Zainol, M.R.R.M.A., <u>Sandu, A.V.</u> , Deak, G., Vizureanu, P., Improving Air Pollution Prediction Modelling Using Wrapper Feature Selection, <b>SUSTAINABILITY</b> , 2022, 14, 18, 11403. DOI10.3390/su141811403 <a href="#">Corresponding author</a>	3.3	9	18.33
A.2.1.78.	Ahmad, R., Ibrahim, W.M.W., Abdullah, M.M.A., Pakawanit, P., Vizureanu, P., Abdullah, A.S., <u>Sandu, A.V.</u> , Zaidi, F.H.A., Geopolymer-Based Nepheline Ceramics: Effect of Sintering Profile on Morphological Characteristics and Flexural Strength, <b>CRYSTALS</b> 2022, 12, 9, 1313. DOI10.3390/cryst12091313	2.4	8	15.00
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A.2.1.83.	Tahir, MFM; Abdullah, MMA; Abd Rahim, SZ; Hasan, MRM; Sandu, AV; Vizureanu, P; Ghazali, CMR; Kadir, AA, Mechanical and Durability Analysis of Fly Ash Based Geopolymer with Various Compositions for Rigid Pavement Applications, <b>MATERIALS</b> , 2022, 15, 10, art. 3458, 10.3390/ma15103458 <a href="#">Corresponding author</a>	3.2	8	20.00
A.2.1.84.	Yusof, MF; Zainol, MRRMA; Sandu, AV; Riahi, A; Zakaria, NA; Shaharuddin, S; Aziz, MSA; Noor, NM; Vizureanu, P; Zawawi, MH; Ikhsan, J, Clean Water Production Enhancement through the Integration of Small-Scale Solar Stills with Solar Dish Concentrators (SDCs)-A Review, <b>SUSTAINABILITY</b> , 2022, 14, 9, 5442, 10.3390/su14095442 <a href="#">Corresponding author</a>	3.3	11	15.00
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A.2.1.86.	Zaimi, NSM; Salleh, MAAM; Abdullah, MMA; Nadzri, NIM; Sandu, AV; Vizureanu, P; Ramli, MII; Nogita, K; Yasuda, H; Sandu, IG, Effect of Kaolin Geopolymer Ceramics Addition on the Microstructure and Shear Strength of Sn-3.0Ag-0.5Cu Solder Joints during Multiple Reflow, <b>MATERIALS</b> , 2022, 15, 8, 2758, 10.3390/ma15082758	3.2	10	16.00
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A.2.1.89.	Ramli, MII; Salleh, MAAM; Abdullah, MMA; Zaimi, NSM; Sandu, AV; Vizureanu, P; Rylski, A; Aml, SFM, Formation and Growth of Intermetallic Compounds in Lead-Free Solder Joints: A Review, <b>MATERIALS</b> , 2022, 15, 4, 1451, 10.3390/ma15041451	3.2	8	20.00
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A.2.1.91.	Zailan, SN; Mahmed, N; Abdullah, MMA; Rahim, SZA; Halin, DSC; Sandu, AV; Vizureanu, P; Yahya, Z, Potential Applications of Geopolymer Cement-Based Composite as Self-Cleaning Coating: A Review, <b>COATINGS</b> , 2022, 12, 2, 133, 10.3390/coatings12020133 <a href="#">Corresponding author</a>	2.8	8	17.50
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A.2.1.95.	Abdullah, MMA.; Aziz, IHA.; Zailani, WWA.; Abd Rahim, SZ.; Yong, HC.; <u>Sandu, A.V.</u> , Peng, L.S. Silica bonding reaction on fly ash based geopolymer repair material system with incorporation of various concrete substrates, <b>ARCHIVES OF METALLURGY</b>	0.7	7	5.00

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A.2.1.102. Burduhos-Nergis, D.D., Vizureanu, P., Lupescu, S., Burduhos Nergis, D.P., Perju, M.C., <u>Sandu, A.V.</u> , Microstructural analysis of ambient cured phosphate based-geopolymers with coal-ash as Precursor, <b>ARCHIVES OF METALLURGY AND MATERIALS</b> , 2022, 67, 2, 595-600. DOI 10.24425/amm.2022.137795.	0.7	6	5.83
A.2.1.103. Mohamed, R., Abd Razak, R., Abdullah, M.M.A., Abd Abd Rahim, S.Z., Long, Y.L., Subaer, <u>Sandu, A.V.</u> , Wys, J.J., Heat evolution of alkali-activated materials: A review on influence factors, <b>CONSTRUCTION AND BUILDING MATERIALS</b> , 314, PartB, 2022, Article Number125651, DOI10.1016/j.conbuildmat.2021.125651	8	8	50.00
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A.2.1.111.	I. LUHAR, S. LUHAR, M.M.A. ABDULLAH, R.A. RAZAK, P. VIZUREANU, <u>A.V. SANDU</u> , P.D. MATASARU, A State-of-the-Art Review on Innovative Geopolymer Composites Designed for Water and Wastewater Treatment, <b>MATERIALS</b> , 14 (23), 2021, Article Number 7456, DOI10.3390/ma14237456. <a href="#">Corresponding author</a>	3.2	7	22.86
A.2.1.112.	V.V. SAVINKIN, Z.Z. ZHUMEKENOVA, <u>A.V. SANDU</u> , P. VIZUREANU, S.V. SAVINKIN, S.N. KOLISNICHENKO, O.V. IVANOVA, Study of Wear and Redistribution Dynamic Forces of Wheel Pairs Restored by a Wear-Resistant Coating 15Cr17Ni12V3F, <b>COATINGS</b> , 11(12), 2021, Article Number 1441, DOI 10.3390/coatings11121441 <a href="#">Corresponding author</a>	2.8	7	20.00
A.2.1.113.	M.C. SPATARU, F.D. COJOCARU, <u>A.V. SANDU</u> , C. SOLCAN, I.A. DUCEAC, M.S. BALTATU, I. VOICULESCU, V. GEANTA, P. VIZUREANU, Assessment of the Effects of Si Addition to a New TiMoZrTa System, <b>MATERIALS</b> , 14 (24), 2021, Article Number 7610, DOI10.3390/ma14247610.	3.2	9	17.78
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A.2.1.116.	Z. YAHYA, M.M.A. ABDULLAH, L.Y. LI, D.D.B., NERGIS, M.A.A. HAKIMI, <u>A.V. SANDU</u> , P. VIZUREANU, R.A. RAZAK, Behavior of Alkali-Activated Fly Ash through Underwater Placement, <b>MATERIALS</b> , 14 (22), 2021, Article Number 6865, DOI10.3390/ma14226865. <a href="#">Corresponding author</a>	3.2	8	20.00
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A.2.1.119.	M.I.I. RAMLI, M.A.A.M. SALLEH, <u>A.V. SANDU</u> , S.F.M. AMLI, R.M. SAID, N. SAUD, M.M.A. ABDULLAH, P. VIZUREANU, A. RYLSKI, J. CHAIPRAPA, M. NABIALEK. Influence of 1.5 wt.% Bi on the Microstructure, Hardness, and Shear Strength of Sn-0.7Cu Solder Joints after Isothermal Annealing, <b>MATERIALS</b> , 14 (18), 2021, Article Number 5134, DOI 10.3390/ma14185134. <a href="#">Corresponding author</a>	3.2	11	14.55
A.2.1.120.	A. AZANI, D.S.C. HALIN, K.A. RAZAK, M.M.A. ABDULLAH, M. NABIALEK, M.M. RAMLI, M.F.S.A. RAZAK, <u>A.V. SANDU</u> , W. SOCHACKI, T. SKRZYPCZAK, The Effect of Polyethylene Glycol Addition on Wettability and Optical Properties of GO/TiO2 Thin Film, <b>MATERIALS</b> , 14 (16), 2021, Article Number 4564, DOI 10.3390/ma14164564	3.2	10	16.00
A.2.1.121.	M.Z.M. MOKHTAR, M.A.A.M. SALLEH, <u>A.V. SANDU</u> , M.M. RAMLI, J. CHAIPRAPA, P. VIZUREANU, M.I.I. RAMLI, Effect of Electromigration and Thermal Ageing on the Tin Whiskers' Formation in Thin Sn-0.7Cu-0.05Ga Lead (Pb)-Free Solder Joints, <b>COATINGS</b> , 11(8), 2021, Article Number 935, DOI 10.3390/coatings11080935	2.8	7	20.00
A.2.1.122.	V.V. SAVINKIN, S.N. KOLISNICHENKO, <u>A.V. SANDU</u> , O.V. IVANOVA, P. VIZUREANU, Z.Z. ZHUMEKENOVA, Investigation of the Strength Parameters of Drilling Pumps during the Formation of Contact Stresses in Gears, <b>APPLIED SCIENCES-BASEL</b> , 11(15), 2021, Article Number 7076, DOI 10.3390/app11157076 <a href="#">Corresponding author</a>	2.5	6	20.83
A.2.1.123.	D.E. COLBU, I. SANDU, V. VASILACHE, K. EARAR, E.D. PARASCHIV, I.G. SANDU, D.B. ILIESCU, <u>A.V. SANDU</u> , Study on the chemical composition of teak wood extracts in different organic solvents, <b>IFOREST-BIOGEOSCIENCES AND FORESTRY</b> 14, 2021, pp.329-336, DOI 10.3832/ifor3717-014. <a href="#">Corresponding author</a>	1.7	8	10.63



A.2.1.124.	N.H. OSMAN, N.N. MAZU, J.Y.C. LIEW, M.M. RAMLI, <u>A.V. SANDU</u> , M. NABIALEK, M.A.H.M.A. MAJID, H.I. MAZLAN, Sodium-Based Chitosan Polymer Embedded with Copper Selenide (CuSe) Flexible Film for High Electromagnetic Interference (EMI) Shielding Efficiency, <b>MAGNETOCHEMISTRY</b> , 7(7), 2021, Article Number 102, DOI 10.3390/magnetochemistry7070102	2.5	8	15.63
A.2.1.125.	I. LUHAR, S. LUHAR, M.M.A. ABDULLAH, M. NABIALEK, <u>A.V. SANDU</u> , J. SZMIDLA, A. JURCZYNSKA, R.A. RAZAK, I.H.A. AZIZ, N.H. JAMIL, L.M. DERAMAN, Assessment of the Suitability of Ceramic Waste in Geopolymer Composites: An Appraisal, <b>MATERIALS</b> , 14(12), 2021, Article Number3279, DOI 10.3390/ma14123279	3.2	11	14.55
A.2.1.126.	L.M. NICULA, O. CORBU, I. ARDELEAN, <u>A.V. SANDU</u> , M. ILIESCU, D. SIMEDRU, Freeze-Thaw Effect on Road Concrete Containing Blast Furnace Slag: NMR Relaxometry Investigations, <b>MATERIALS</b> , 14(12), 2021, Article Number 3288, DOI 10.3390/ma14123288 <b>Corresponding author</b>	3.2	6	26.67
A.2.1.127.	R. OTHMAN, R.P. JAYA, K. MUTHUSAMY, M. SULAIMAN, Y. DURAISAMY, M.M.A. ABDULLAH, A. PRZYBYL, W. SOCHACKI, T. SKRZYPCZAK, P. VIZUREANU, <u>A.V. SANDU</u> , Relation between Density and Compressive Strength of Foamed Concrete, <b>MATERIALS</b> , 14(11), 2021, Article Number 2967, DOI 10.3390/ma14112967	3.2	11	14.55
A.2.1.128.	J. GARUS, S. WALTERS, <u>A.V. SANDU</u> , M.M.A.B. ABDULLAH, F.F. ZAINAL, M.F. OMAR, A. SEIFODDINI, P. MOUSAVI, Investigation into Effect of Cooling Rate on Magnetic Properties of Alloys that Are Based on FeCoB Matrix, <b>ACTA PHYSICA POLONICA A</b> , 139 (5), 2021, Page 544-547, DOI 10.12693/APhysPolA.139.544	0.5	8	3.13
A.2.1.129.	M. NABIALEK, B. JEZ, P. PIETRUSIEWICZ, K. JEZ, B. PLOSZAJ, <u>A.V. SANDU</u> , M.M.A.B. ABDULLAH, J. WYSLOCKI, A. KALWIK, P. POSTAWA, M.A.A.M. SALLEH, Effect of Chemical Composition on Curie Temperature of FeCoB Alloys, <b>ACTA PHYSICA POLONICA A</b> , 139 (5), 2021, Page 491-494, DOI10.12693/APhysPolA.139.491	0.5	11	2.27
A.2.1.130.	R. RAHMAN, S.Z.F.S. PUTRA, S.Z.A. RAHIM, I. NAINGGOLAN, B. JEZ, M. NABIALEK, L. MUSA, <u>A.V. SANDU</u> , P. VIZUREANU, M.M.A.B. ABDULLAH, D. KWIATKOWSKI, I. WNUK, The Influence of MMA Esterification on Interfacial Adhesion and Mechanical Properties of Hybrid Kenaf Bast/Glass Fiber Reinforced Unsaturated Polyester Composites, <b>MATERIALS</b> , 14, 2021, art. no. 2276 <a href="https://doi.org/10.3390/ma14092276">https://doi.org/10.3390/ma14092276</a> .	3.2	12	13.33
A.2.1.131.	P. SIKORA, M. NABIALEK, K. BLOCH, J. GONDRO, <u>A.V. SANDU</u> , M.M.A.B. ABDULLAH, A. KALWIK, P. MOUSAVI, S. HASANI, B. JEZ, Magnetisation Process of Fe <sub>61</sub> +xCo <sub>10</sub> -xY <sub>8</sub> W <sub>1</sub> B <sub>20</sub> Bulk Amorphous Alloys, <b>ACTA PHYSICA POLONICA A</b> , 139(5), 2021, Page 582-585, DOI10.12693/APhysPolA.139.582	0.5	11	2.27
A.2.1.132.	S. WALTERS, M.M.A.B. ABDULLAH, <u>A.V. SANDU</u> , S. GARUS, M.A.A.M. SALEH, D.S.C. HALIN, F.F. ZAINAL, Change in Value of Effective Anisotropy of FeCoB Amorphous Alloys, Depending on Chemical Composition, <b>ACTA PHYSICA POLONICA A</b> , 139(5), 2021, Page 568-570, DOI10.12693/APhysPolA.139.568	0.5	7	3.57
A.2.1.133.	B.W. CHONG, R. OTHMAN, R.P. JAYA, M.R.M. HASAN, <u>A.V. SANDU</u> , M. NABIALEK, B. JEZ, P. PIETRUSIEWICZ, D. KWIATKOWSKI, P. POSTAWA, M.M.A.B. ABDULLAH, Design of experiment on concrete mechanical properties prediction: A critical review, <b>MATERIALS</b> , 14, 8, 2021, article no: 1866	3.2	11	14.55
A.2.1.134.	M.F. GHAZALI, M.M.A. ABDULLAH, S.Z. ABD RAHIM, J. GONDRO, P. PIETRUSIEWICZ, S. GARUS, T. STACHOWIAK, <u>A.V. SANDU</u> , M.F.M. TAHIR, M.E. KORKMAZ, M.S. OSMAN, Tool Wear and Surface Evaluation in Drilling Fly Ash Geopolymer Using HSS, HSS-Co, and HSS-TiN Cutting Tools, <b>MATERIALS</b> , 14, 7, 2021, Article Number: 1628, DOI: 10.3390/ma14071628	3.2	11	14.55
A.2.1.135.	B.W. CHONG, R. OTHMAN, R.P. JAYA, D.S. ING, X.F. LI, M.H.W. IBRAHIM, M.M.A. ABDULLAH, <u>A.V. SANDU</u> , B. PLOSZAJ, J. SZMIDLA, T. STACHOWIAK, Image Analysis of Surface Porosity Mortar Containing Processed Spent Bleaching Earth, <b>MATERIALS</b> , 14, 7, 2021, Article Number: 1658, DOI: 10.3390/ma14071658	3.2	11	14.55
A.2.1.136.	A.N. HASHIM, M.A.A.M. SALLEH, <u>A.V. SANDU</u> , M.M. RAMLI, K.C. YEE, N.Z.M. MOKHTAR, J. CHAIPRAPA, Effect of Ni on the Suppression of Sn Whisker Formation in Sn-0.7Cu Solder Joint, <b>MATERIALS</b> , 14, 4, 2021, Article Number: 738, DOI: 10.3390/ma14040738 <b>Corresponding author</b>	3.2	7	22.86
A.2.1.137.	V.N. KYZNETSOVA, V.V. SAVINKIN, T.Y. RATUSHNAYA, <u>A.V. SANDU</u> , P. VIZUREANU, Study of the Spatial Distribution of Forces and Stresses on Wear Surfaces at Optimization of the Excavating Part of an Earthmoving Machine Transverse Profile, <b>COATINGS</b> , 11, 2, 2021, Article Number: 182, DOI: 10.3390/coatings11020182 <b>Corresponding author</b>	2.8	5	28.00

A.2.1.138. N.S.M. ZAIMI, M.A.A.M. SALLEH, <u>A.V. SANDU</u> , M.M.A. ABDULLAH, N. SAUD, S.Z. ABD RAHIM, P. VIZUREANU, R.M. SAID, M.I.I. RAMLI, Performance of Sn-3.0Ag-0.5Cu Composite Solder with Kaolin Geopolymer Ceramic Reinforcement on Microstructure and Mechanical Properties under Isothermal Ageing, <b>MATERIALS</b> , 14, 4, 2021, Article Number: 776, DOI: 10.3390/ma14040776 <b>Corresponding author</b>	3.2	9	17.78
A.2.1.139. L.M. NICULA, O. CORBU, M. ILIESCU, <u>A.V. SANDU</u> , A. HEGYI, Study on the Durability of Road Concrete with Blast Furnace Slag Affected by the Corrosion Initiated by Chloride, <b>ADVANCES IN CIVIL ENGINEERING</b> , 2021, Article Number: 8851005, DOI: 10.1155/2021/8851005 <b>Corresponding author</b>	1.6	5	16.00
A.2.1.140. M.C. SPATARU, M. BUTNARU, <u>A.V. SANDU</u> , V. VULPE, M.D. VLAD, M.S. BALTATU, V. GEANTA, I. VOICULESCU, P. VIZUREANU, C. SOLCAN, In-depth assessment of new Ti-based biocompatible materials, <b>MATERIALS CHEMISTRY AND PHYSICS</b> , 258, 2021, Article number 123959. 10.1016/j.matchemphys.2020.123959 <b>Corresponding author</b>	4.3	10	21.50
A.2.1.141. L. VERESTIUC, M.C. SPATARU, M.S. BALTATU, M. BUTNARU, C. SOLCAN, <u>A.V. SANDU</u> , I. VOICULESCU, V. GEANTA, P. VIZUREANU, New Ti-Mo-Si materials for bone prosthesis applications, <b>JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS</b> , 113, 2021, 104198. 10.1016/j.jmbbm.2020.104198	3.5	9	19.44
A.2.1.142. W.W.A. ZAILANI, M.M.A.B. ABDULLAH, M.F. ARSHAD, R.A. RAZAK, M.F.M. TAHIR, R.R.M.A. ZAINOL, M. NABIALEK, <u>A.V. SANDU</u> , J.J. WYSLOCKI, K. BLOCH, Characterisation at the Bonding Zone between Fly Ash based Geopolymer Repair Materials (GRM) and Ordinary Portland Cement Concrete (OPCC), <b>MATERIALS</b> , 14, 2021, 56; <a href="https://doi.org/10.3390/ma14010056">https://doi.org/10.3390/ma14010056</a>	3.2	10	16.00
A.2.1.143. M.S. BALTATU, P. VIZUREANU, <u>A.V. SANDU</u> , C. MUNTEANU, B. ISTRATE, Microstructural Analysis and Tribological Behavior of Ti-Based Alloys with a Ceramic Layer Using the Thermal Spray Method, <b>COATINGS</b> , 10, 2020, 1216; doi:10.3390/coatings10121216.	2.8	5	28.00
A.2.1.144. A.M. ȚÎȚU, P. VIZUREANU, S. TITU, <u>A.V. SANDU</u> , A.B. POP, V. BUCUR, C. CEOCEA, A. BOROIU, Experimental Research on the Cutting of Metal Materials by Electrical Discharge Machining with Contact Breaking with Metal Band as Transfer Object, <b>MATERIALS</b> , 13, 2020, 5257; doi:10.3390/ma13225257	3.2	8	20.00
A.2.1.145. A.M. ȚÎȚU, <u>A.V. SANDU</u> , A.B. POP, S. ȚÎȚU, D.N. FRĂȚILĂ, C. CEOCEA, A. BOROIU, Design of experiment in the milling process of aluminum alloys in the aerospace industry, <b>APPLIED SCIENCES-BASEL</b> , 10, 19, 2020, 6951, Pages 1-20.	2.5	7	17.86
A.2.1.146. D.P. BURDUHOS-NERGIS, P. VIZUREANU, <u>A.V. SANDU</u> , C. BEJINARIU, Phosphate Surface Treatment for Improving the Corrosion Resistance of the C45 Carbon Steel Used in Carabiners Manufacturing, <b>MATERIALS</b> , 13, 15, 2020, 3410, DOI: 10.3390/ma13153410.	3.2	4	40.00
A.2.1.147. K. JEZ, M. NABIALEK, S. WALTERS, <u>A.V. SANDU</u> , B. JEZ, The Influence of Nb and Mo Content on the Magnetisation Process of Bulk Amorphous Alloys Based on Fe, <b>ACTA PHYSICA POLONICA A</b> , 138, 2, 2020, 196-199, DOI: 10.12693/APhysPolA.138.196.	0.5	5	5.00
A.2.1.148. M.C. PERJU, <u>A.V. SANDU</u> , P. VIZUREANU, C. NEJNERU, C.A. TUGUI, D.D. BURDUHOS-NERGIS, Microstructural Analysis of Ti/W/WC Deposition by ESD Method, <b>ACTA PHYSICA POLONICA A</b> , 138, 2, 214-217, DOI: 10.12693/APhysPolA.138.214.	0.5	6	4.17
A.2.1.149. B. PLOSZAJ, M. NABIALEK, K. BLOCH, B. KOCZURKIEWICZ, <u>A.V. SANDU</u> , M.M.A.B. ABDULLAH, A. KALWIK, B. JEZ, Total Core Losses and Dilatometric Properties of Bulk Amorphous Fe-Based Alloys, <b>ACTA PHYSICA POLONICA A</b> , 138, 2, 2020, 221-223, DOI: 10.12693/APhysPolA.138.221.	0.5	8	3.13
A.2.1.150. I.H. AZIZ, M.M.A. ABDULLAH, M.A.A.M. SALLEH, E.A. AZIMI, J. CHAIPRAPA, <u>A.V. SANDU</u> , Strength development of solely ground granulated blast furnace slag geopolymers, <b>CONSTRUCTION AND BUILDING MATERIALS</b> , 250, 2020, 118720, DOI: 10.1016/j.conbuildmat.2020.118720	8	6	66.67
A.2.1.151. A. HEGYI, H. SZILAGYI, E. GREBENISAN, <u>A.V. SANDU</u> , <u>A.V. LAZARESCU</u> , C. ROMILA, Influence of TiO(2)Nanoparticles Addition on the Hydrophilicity of Cementitious Composites Surfaces, <b>APPLIED SCIENCES-BASEL</b> , 10, 13, 2020, 4501, DOI: 10.3390/app10134501. <b>Corresponding author</b>	2.5	6	20.83

A.2.1.152.	D.D.B. NERGIS, P. VIZUREANU, I. ARDELEAN, <u>A.V. SANDU</u> , O.C. CORBU, E. MATEI, Revealing the Influence of Microparticles on Geopolymers' Synthesis and Porosity, <b>MATERIALS</b> , 13, 14, 2020, 3211, DOI: 10.3390/ma13143211	3.2	6	26.67
A.2.1.153.	P.O. TANASA, I. SANDU, V. VASILACHE, I.G. SANDU, I.C. NEGRU, <u>A.V. SANDU</u> , Authentication of a Painting by Nicolae Grigorescu Using Modern Multi-Analytical Methods, <b>APPLIED SCIENCES-BASEL</b> , 10, 10, 2020, 3558, DOI: 10.3390/app10103558	2.5	6	20.83
A.2.1.154.	M. NABIALEK, B. JEZ, K. BLOCH, J. GONDRO, K. JEZ, <u>A.V. SANDU</u> , P. PIETRUSIEWICZ, Relationship between the shape of X-ray diffraction patterns and magnetic properties of bulk amorphous alloys Fe <sub>65</sub> Nb <sub>5</sub> Y <sub>5</sub> +xHf <sub>5</sub> -xB <sub>20</sub> (where: x = 0, 1, 2, 3, 4, 5), <b>JOURNAL OF ALLOYS AND COMPOUNDS</b> , 820, 2020, 153420. <a href="https://doi.org/10.1016/j.jallcom.2019.153420">https://doi.org/10.1016/j.jallcom.2019.153420</a>	6.3	7	45.00
A.2.1.155.	E.A. AZIMI, M.M.A.B. ABDULLAH, P. VIZUREANU, M.A.A.M. SALLEH, <u>A.V. SANDU</u> , J. CHAIPRAPA, S. YORIYA, K. HUSSIN, I.H. AZIZ, Strength Development and Elemental Distribution of Dolomite/Fly Ash Geopolymer Composite under Elevated Temperature, <b>MATERIALS</b> , 13, 2020, 1015; doi:10.3390/ma13041015	3.2	9	17.78
A.2.1.156.	K. BŁOCH, M. NABIAŁEK, P. POSTAWA, <u>A.V. SANDU</u> , A. SLIWA, B. JEZ, The Magnetisation Process of Bulk Amorphous Alloys: Fe <sub>36</sub> +xCo <sub>36</sub> -xY <sub>8</sub> B <sub>20</sub> , Where: x = 0, 3, 7, or 12, <b>MATERIALS</b> , 13, 2020, 846; doi:10.3390/ma13040846	3.2	6	26.67
A.2.1.157.	P. VIZUREANU, M. NABIAŁEK, <u>A.V. SANDU</u> , B. JEŽ, Investigation into the Effect of Thermal Treatment on the Obtaining of Magnetic Phases: Fe <sub>5</sub> Y, Fe <sub>23</sub> B <sub>6</sub> , Y <sub>2</sub> Fe <sub>14</sub> B and αFe within the Amorphous Matrix of Rapidly-Quenched Fe <sub>61</sub> +xCo <sub>10</sub> -xW <sub>1</sub> Y <sub>8</sub> B <sub>20</sub> Alloys (Where x = 0, 1 or 2), <b>MATERIALS</b> , 13, 2020, 835; doi:10.3390/ma13040835 <a href="#">Corresponding author</a>	3.2	4	40.00
A.2.1.158.	D.P. BURDUHOS-NERGIS, P. VIZUREANU, <u>A.V. SANDU</u> , C. BEJINARIU, Evaluation of the Corrosion Resistance of Phosphate Coatings Deposited on the Surface of the Carbon Steel Used for Carabiners Manufacturing, <b>APPLIED SCIENCES-BASEL</b> , 10, 8, 2020, 2753, DOI: 10.3390/app10082753. <a href="#">Corresponding author</a>	2.5	4	31.25
A.2.1.159.	T.C. IURCOVSCHI, V. VASILACHE, I.SANDU, M. ZAHARIA, O. PINTILIE, <u>A.V. SANDU</u> , New Ecological Solutions Involved in the Cleaning of a 19th Century Icon, <b>APPLIED SCIENCES-BASEL</b> , 10, 2020, 1175; doi:10.3390/app10031175 <a href="#">Corresponding author</a>	2.5	6	20.83
A.2.1.160.	D.D. BURDUHOS NERGIS, M.M.A.B. ABDULLAH, <u>A.V. SANDU</u> , P. VIZUREANU, XRD and TG-DTA Study of New Alkali Activated Materials Based on Fly Ash with Sand and Glass Powder, <b>MATERIALS</b> , 13, 2020, 343; doi:10.3390/ma13020343 <a href="#">Corresponding author</a>	3.2	4	40.00
A.2.1.161.	I. SANDU, P.O. TANASA, I.C.A. SANDU, I.C. NEGRU, <u>A.V. SANDU</u> , V. VASILACHE, Authentication of an Old Violin by Multianalytical Methods, <b>APPLIED SCIENCES-BASEL</b> , 10, 2020, 306; doi:10.3390/app10010306 <a href="#">Corresponding author</a>	2.5	6	20.83
A.2.1.162.	V.V. SAVINKIN, P. VIZUREANU, <u>A.V. SANDU</u> , T.Y. RATUSHNAYA, A.A. IVANISCHEV, A. SURLEVA, Improvement of the Turbine Blade Surface Phase Structure Recovered by Plasma Spraying, <b>COATINGS</b> , 10, 2020, 62; doi:10.3390/coatings10010062 <a href="#">Corresponding author</a>	2.8	6	23.33
A.2.1.163.	M.E. DASCĂLU, F. NEDEFF, I. SANDU, E. MOSNEGUTU, <u>A.V. SANDU</u> , J.A. LOPEZ-RAMIREZ, Mathematical Model Regarding the Application of the Excitation- Emission Matrix Spectroscopy in Nanofiltration Process Using Humic Acid with a TiO <sub>2</sub> Ceramic Membrane, <b>MATERIALE PLASTICE</b> , 54, no. 4, 2019, p. 995-1002. <a href="#">Corresponding author</a>	0.7	6	5.83
A.2.1.164.	<u>A.V. SANDU</u> , V.VASILACHE, I.G. SANDU, J.M. SIELIECHI, I.K. KOUAME, P.D. MATASARU, I. SANDU, Characterization of the Acid-Base Character of Burned Clay Ceramics Used for Water Decontamination, <b>MATERIALS</b> , 12, 2019, art. 3836. <a href="#">Corresponding author</a>	3.2	7	22.86
A.2.1.165.	N. BARSAN, D. CHITIMUS, F.M. NEDEFF, I. SANDU, M. PANAINTE LEHADUS, <u>A.V. SANDU</u> , O. IRIMIA-TIRTOACA, Experimental Application of a Laboratory SBR Plant Used for Domestic Wastewater Treatment, <b>REVISTA DE CHIMIE</b> , 70, no. 11, 2019, p. 4098-4101.	1.75 (2019)	8	10.94
A.2.1.166.	L.Y. MING, <u>A.V. SANDU</u> , H.C. YONG, Y., TAJUNNISA, S.F. AZZAHAN, R. BAYUJI, M.M.A.B. ABDULLAH, P. VIZUREANU, K. HUSSIN, T.S. JIN, F.K. LOONG, Compressive Strength and Thermal Conductivity of Fly Ash Geopolymer Concrete Incorporated with Lightweight Aggregate, Expanded Clay Aggregate and Foaming Agent, <b>REVISTA DE CHIMIE</b> , 70, no. 11, 2019, p.	1.75 (2019)	11	7.95

4021-4028. <a href="#">Corresponding author</a>			
A.2.1.167. C. NEJNERU, M.C. PERJU, D.D. BURDUHOS NERGIS, <a href="#">A.V. SANDU</a> , C. BEJINARIU, Galvanic Corrosion Behaviour of Phosphate Nodular Cast Iron in Different Types of Residual Waters and Couplings, <b>REVISTA DE CHIMIE</b> , 70, no. 10, 2019, p. 3597-3602.	1.75 (2019)	5	17.50
A.2.1.168. C. UNTILA, M. CARAMAN, V. NEDEFF, N. BARSAN, I. SANDU, A.D. CHITIMUS, V. V. CRETU, C. TOMOZEI, <a href="#">A.V. SANDU</a> , Evaluation of Heavy Metals and Organic Compounds in Water Samples Collected from Various Sources from Republic of Moldova and Romania, <b>REVISTA DE CHIMIE</b> , 70, no. 10, 2019, p. 3570-3574.	1.75 (2019)	9	9.72
A.2.1.169. Z.A.M. RASID, M.F. OMAR, M.F.M. NAZERI, S.A. SAIDI, <a href="#">A.V. SANDU</a> , M.A.B.A. MOHD, Study of two Dimensional Metal Carbide MXene Ti3C2. Synthesis, characterization conductivity and radiation properties, <b>MATERIALE PLASTICE</b> , 56, no. 3, 2019, pp. 635-640. <a href="#">Corresponding author</a>	0.7	6	5.83
A.2.1.170. <a href="#">A.V. SANDU</a> , M.S. BALTATU, M. NABIALEK, A. SAVIN, P. VIZUREANU, Characterization and Mechanical Properties of New TiMo Alloys Used for Medical Applications, <b>MATERIALS</b> , 12, 2019, art. 2973 <a href="#">Corresponding author</a>	3.2	5	32.00
A.2.1.171. O. TIRTOACA (IRIMIA), M. PANAINTE LEHADUS, V. NEDEFF, I. SANDU, C. TOMOZEI, V.V. CRETU, <a href="#">A.V. SANDU</a> , Experimental Results Regarding the Groundwater Quality in Bacau City, Romania, <b>REVISTA DE CHIMIE</b> , 70, no. 9, 2019, p. 3378-3382.	1.75 (2019)	7	12.50
A.2.1.172. M. PANAINTE LEHADUS, V. NEDEFF, N. BARSAN, <a href="#">A.V. SANDU</a> , E. MOSNEGUTU, C. TOMOZEI, O. IRIMIA, G. ANDRIOAI, I. SANDU, Monitoring the Particulate Matter (PM10) Emissions from Bacau City Thermo-Energetic Industry, <b>REVISTA DE CHIMIE</b> , 70, no. 8, 2019, p. 2869-2872.	1.75 (2019)	9	9.72
A.2.1.173. N.F. SHAHEDAN, M.M.A.B. ABDULLAH, N. MAHMED, A. KUSBIANTORO, K. HUSSIN, <a href="#">A.V. SANDU</a> , A. NAVEED, Thermal Insulation Properties of Insulated Concrete, <b>REVISTA DE CHIMIE</b> , 70, no. 8, 2019, p. 3027-3031.	1.75 (2019)	7	12.50
A.2.1.174. C. SAVIN, C. NEJNERU, C.A. TUGUI, M.C. PERJU, <a href="#">A.V. SANDU</a> , C. BEJINARIU, Analysis of Contact Angle for Metallic Materials in Wastewater Pumps, <b>REVISTA DE CHIMIE</b> , 70, no. 8, 2019, p. 2811-2817.	1.75 (2019)	6	14.58
A.2.1.175. S.G. EBLIN, K. S. KONAN, O.M.J. MANGOUA, V. NEDEFF, <a href="#">A.V. SANDU</a> , N. BIRSAN, I. SANDU, Nitrate Pollution of Groundwater Based on GIS in the City of Daloa, West-central Cote d'Ivoire, <b>REVISTA DE CHIMIE</b> , 70, no. 7, 2019, pp. 2579-2583.	1.75 (2019)	7	12.50
A.2.1.176. S.C. FOCSANEANU, P. VIZUREANU, <a href="#">A.V. SANDU</a> , G. CIOBANU, S.M. BALTATU, D. VLAD, Experimental Study on the Influence of Zirconia Surface Preparation on Deposition of Hydroxyapatite, <b>REVISTA DE CHIMIE</b> , 70, no. 6, 2019, p. 2273-2275.	1.75 (2019)	6	14.58
A.2.1.177. M. BOLAT, S. STOLERIU, V. VASILACHE, G. IOVAN, G. PANCU, <a href="#">A.V. SANDU</a> , I. TARABOANTA, S. ANDRIAN, Comparative Study of Color Stability of Three Composite Materials, Treated by Finishing and Coated Sealing, After Immersion in Different Wholesale, <b>REVISTA DE CHIMIE</b> , 70, 5, 2019, p. 1681-1684	1.75 (2019)	8	10.94
A.2.1.178. M.S. BALTATU, C.A. TUGUI, M.C. PERJU, M. BENCHEA, M.C. SPATARU, <a href="#">A.V. SANDU</a> , P. VIZUREANU, Biocompatible Titanium Alloys used in Medical Applications, <b>REVISTA DE CHIMIE</b> , 70, 4, 2019, p. 1302-1306.	1.75 (2019)	7	12.50
A.2.1.179. E. GOLDAN, V. NEDEFF, N. BARSAN, E. MOSNEGUTU, <a href="#">A.V. SANDU</a> , M. PANAINTE, The Effect of Biochar Mixed with Compost on Heavy Metal Concentrations in a Greenhouse Experiment and on Folsomia Candida and Eisenia Andrei in Laboratory Conditions, <b>REVISTA DE CHIMIE</b> , 70, 3, 2019, p. 809-813	1.75 (2019)	6	14.58
A.2.1.180. C.P. PAPADATU, <a href="#">A.V. SANDU</a> , M. BORDEI, I. SANDU, Plasticity Behavior of the Steel Depending on the Cooling Regimes in the Case of a Non-Conventional Treatments, <b>MATERIALE PLASTICE</b> , 56, 1, 2019, p. 73-76.	0.7	4	8.75
A.2.1.181. L. TATARU, V. NEDEFF, N. BARSAN, <a href="#">A.V. SANDU</a> , E. MOSNEGUTU, M. PANAINTE-LEHADUS, I. SANDU, Applications of Polymeric Membranes Ultrafiltration Process on the Retention of Bentonite Suspension, <b>MATERIALE PLASTICE</b> , 56, 1, 2019, p. 97-102.	0.7	7	5.00



A.2.1.182.	M.G. MINCIUNA, D.C. ACHITEI, P. VIZUREANU, <b>A.V. SANDU</b> , M. NABIALEK, M, Electrochemical Evaluation of AISI 420 Steel after Several Heat Treatments, <b>ACTA PHYSICA POLONICA A</b> , 135, 2, 2019, p. 115-118 (DOI: 10.12693/APhysPolA.135.115) <i>Corresponding author</i>	0.5	5	5.00
A.2.1.183.	C. SAVIN, C. NEJNERU, M.C. PERJU, C. BEJINARIU, D. BURDUHOS-NERGIS, <b>A.V. SANDU</b> , Galvanic Corrosion of Ductile Cast Iron Coupled with Different Alloys in Synthetic Domestic Waste Water, <b>REVISTA DE CHIMIE</b> , 70, 2, 2019, p. 506-511.	1.75 (2019)	6	14.58
A.2.1.184.	D.P. BURDUHOS-NERGIS, C. NEJNERU, D.D. BURDUHOS-NERGIS, C. SAVIN, <b>A.V. SANDU</b> , S.L. TOMA, C. BEJINARIU, The Galvanic Corrosion Behavior of Phosphated Carbon Steel Used at Carabiners Manufacturing, <b>REVISTA DE CHIMIE</b> , 70, 1, 2019, p. 215-219.	1.75 (2019)	7	12.50
A.2.1.185.	C. BEJINARIU, C. MUNTEANU, C.D. FLOREA, B. ISTRATE, N. CIMPOESU, A. ALEXANDRU, <b>A.V. SANDU</b> , Electrochemical Corrosion of a Cast Iron Protected with a Al <sub>2</sub> O <sub>3</sub> Ceramic Layer, <b>REVISTA DE CHIMIE</b> , 69, 12, 2018, p. 3586-3589 <i>Corresponding author</i>	1.75 (2019)	7	12.50
A.2.1.186.	S. STOLERIU, G. IOVAN, I. NICA, G. PANCU, <b>A.V. SANDU</b> , S. ANDRIAN, <i>The Effect of Heating on Surface Microhardness of Resin-based Materials for Direct Restoration</i> , <b>MATERIALE PLASTICE</b> , 55, 4, 2018, p. 584-589.	0.7	6	5.83
A.2.1.187.	K. GAWDZINSKA, M. NABIALEK, <b>A.V. SANDU</b> , K. BRYLL, <i>The Choice of Recycling Methods for Single-Polymer Polyester Composites</i> , <b>MATERIALE PLASTICE</b> , 55, 4, 2018, p. 658-665. <i>Corresponding author</i>	0.7	4	8.75
A.2.1.188.	A. SLIWA, D. GROS, <b>A.V. SANDU</b> , M. NABIALEK, Optimization and Numerical Analysis of Mechanical Properties of Connecting Rod in the Internal Combustion Engine, <b>REVISTA DE CHIMIE</b> , 69, 10, 2018, p. 2813-2815.	1.75 (2019)	4	21.88
A.2.1.189.	I.G. SANDU, V. VASILACHE, <b>A.V. SANDU</b> , M. CHIRAZI, R.C.DABIJA, A.VLADESCU, C.M. COTRUT, I.SANDU, C. HONCERIU, <i>The Role of Saline Aerosols in the Prevention and Therapy of Cardio-respiratory and Osteo-muscular Afflictions</i> , <b>REVISTA DE CHIMIE</b> , 69, 10, 2018, p. 2826-2832.	1.75 (2019)	9	9.72
A.2.1.190.	M. BOLAT, S. STOLERIU, G. IOVAN, G. PANCU, N. TOFAN, <b>A.V. SANDU</b> , S. ANDRIAN, <i>Comparative Evaluation of the Effect of Surface Polishing of a Glaze/composite Sealant and Different Polishing Systems on Surface Roughness of Three Composite Resin Type</i> , <b>MATERIALE PLASTICE</b> , 55, 3, 2018, p. 434-437	0.7	7	5.00
A.2.1.191.	C.P. PAPADATU, <b>A.V. SANDU</b> , M. BORDEI, I.G. SANDU, S. CIORTAN, <i>Tribological Evolution of the Superficial Layer and the Effects of the Magnetic Field to a Non - conventional Treated Steel, During Wear Tests</i> , <b>MATERIALE PLASTICE</b> , 55, 3, 2018, p. 442-446 <i>Corresponding author</i>	0.7	5	7.00
A.2.1.192.	A. BOUAISSI, L.Y. LI, L.M. MOGA, I.G. SANDU, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , <i>A Review on Fly Ash as a Raw Cementitious Material for Geopolymer Concrete</i> , <b>REVISTA DE CHIMIE</b> , 69, 7, 2018, pp. 1661-1667. <i>Corresponding author</i>	1.75 (2019)	6	14.58
A.2.1.193.	W. MUSIALIK, M. NABIALEK, S. LETKIEWICZ, <b>A.V. SANDU</b> , K. BLOCH, <i>Application of Innovative Hydroxyapatite Materials in 3D Printing for Biocompatible Voice Implants</i> , <b>REVISTA DE CHIMIE</b> , 69, 4, 2018, pp. 840-842.	1.75 (2019)	5	17.50
A.2.1.194.	M. BORDEI, <b>A.V. SANDU</b> , C.P. PAPADATU, I.G. SANDU, <i>The Influence of the Temperature Regime on the Mechanical Properties of the Thick Steel Sheets from Carbon and Low alloy Steels, Laminated to Thicknesses More than 40 mm</i> , <b>REVISTA DE CHIMIE</b> , 69, 3, 2018, pp. 632-635.	1.75 (2019)	4	21.88
A.2.1.195.	A. SLIWA, M. SROKA, K. BLOCH, I. G. SANDU, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , Finite Element Method Application for the Determination of Hardness for Magnesium Alloys, <b>REVISTA DE CHIMIE</b> , 69, 2, 2018, pp. 324-327. <i>Corresponding author</i>	1.75 (2019)	6	14.58
A.2.1.196.	H. JUN NG, M.M.A.B. ABDULLAH, S.J. TAN, <b>A.V. SANDU</b> , K. HUSSIN, <i>Characterisation and understanding of Portland cement mortar with different sizes of bottom ash</i> , <b>ADVANCES IN CEMENT RESEARCH</b> , 30, 2, 2018, pp. 66-74.	1.3	5	13.00
A.2.1.197.	A. SLIWA, M. SROKA, L. ZUKOWSKA, K. BLOCH, P. VIZUREANU, <b>A.V. SANDU</b> , <i>Numerical Analysis of Strength Properties of Anatomical General Surgical Tweezers</i> , <b>REVISTA DE CHIMIE</b> , 69, 1, 2018, pp. 187-190. <i>Corresponding author</i>	1.75 (2019)	6	14.58



A.2.1.198.	C.P. PAPADATU, I.G. SANDU, M. BORDEI, A.V. SANDU, <i>Evolution of the Plasticity of Some Low Carbon Steels, Subjected to Directed Cooling from High-temperature</i> , <b>MATERIALE PLASTICE</b> , <b>54</b> , 4, 2017, p. 759-763. <a href="#">Corresponding author</a>	0.7	4	8.75
A.2.1.199.	G. UNGUREANU, E. BOGHITA, G. IGNAT, C.L. COSTULEANU, A.V. SANDU, C. BEJINARIU, C.R. VINTU, <i>Effect of Climate Change on Pedological Modifications and Soil Aridity Process in Vineyards</i> , <b>REVISTA DE CHIMIE</b> , <b>68</b> , 11, 2017, p. 2662-2671.	1.75 (2019)	7	12.50
A.2.1.200.	C.P. PAPADATU, <b>A.V. SANDU</b> , M. BORDEI, I.G. SANDU, <i>Structural Changes in the Superficial Layers of a Non-conventional Treated Steel Subjected to a Wear Process</i> , <b>REVISTA DE CHIMIE</b> , <b>68</b> , 10, 2017, pp. 2329-2333. <a href="#">Corresponding author</a>	1.75 (2019)	4	21.88
A.2.1.201.	N.H. JUN, M.G. MINCIUNA, M.M.A. ABDULLAH, T.S. JIN, <b>A.V. SANDU</b> , L.Y. MING, <i>Mechanism of Cement Paste with Different Particle Sizes of Bottom Ash as Partial Replacement in Portland Cement</i> , <b>REVISTA DE CHIMIE</b> , <b>68</b> , 10, 2017, pp. 2367-2372.	1.75 (2019)	6	14.58
A.2.1.202.	M. NABIALEK, K. BLOCH, M. SZOTA, A.V. SANDU, <i>Structure and Magnetic Properties of Composite Toroids Powder Casted</i> , <b>MATERIALE PLASTICE</b> , <b>54</b> , 3, 2017, p. 491-494. <a href="#">Corresponding author</a>	0.7	4	8.75
A.2.1.203.	K. GAWDZINSKA, M. NABIALEK, K. BRYLL, P. SZYMANSKI, <b>A.V. SANDU</b> , <i>Flexural Strength of Single Polymer Polyester Composites as a Measure of Material Degradation</i> , <b>MATERIALE PLASTICE</b> , <b>54</b> , 3, 2017, p. 539-542.	0.7	5	7.00
A.2.1.204.	Y.M. DAUD, K. HUSSIN, A.F. OSMAN, C.M.R. GHAZALI, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , <i>Dynamic Mechanical Properties of Hybrid Layered Silicates/Kaolin Geopolymer Filler in Epoxy Composites</i> , <b>MATERIALE PLASTICE</b> , <b>54</b> , 3, 2017, p. 543-545.	0.7	6	5.83
A.2.1.205.	S. STOLERIU, S. ANDRIAN, I.NICA, <b>A.V. SANDU</b> , G. PANCU, G. IOVAN, A. MURARIU, <i>Evaluation of Adhesive Capacity of Universal Bonding Agents Used in Direct Composite Resins Repair</i> , <b>MATERIALE PLASTICE</b> , <b>54</b> , 3, 2017, p. 574-577.	0.7	7	5.00
A.2.1.206.	W.M.W. IBRAHIM, K. HUSSIN, M.M.A.B. ABDULLAH, A.A. KADIR, L.M. DERAMAN, <b>A.V. SANDU</b> , <i>Influence of Foaming Agent/Water Ratio and Foam/Geopolymer Paste Ratio to the Properties of Fly Ash-based Lightweight Geopolymer for Brick Application</i> , <b>REVISTA DE CHIMIE</b> , <b>68</b> , 9, 2017, p. 1978-1982. <a href="#">Corresponding author</a>	1.75 (2019)	6	14.58
A.2.1.207.	K. BLOCH, M.A. TITU, <b>A.V. SANDU</b> , <i>Investigation of the Structure and Magnetic Properties of Bulk Amorphous FeCoYB Alloys</i> , <b>REVISTA DE CHIMIE</b> , <b>68</b> , 9, 2017, p. 2162-2165. <a href="#">Corresponding author</a>	1.75 (2019)	3	29.17
A.2.1.208.	A. BENLAMOUDI, A.A. KADIR, M.A. TITU, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , <i>Treatment of Lead Contaminated Soil using Solidification/Stabilization Method Incorporated with Sugarcane Bagasse</i> , <b>REVISTA DE CHIMIE</b> , <b>68</b> , 8, 2017, p. 1908-1913. <a href="#">Corresponding author</a>	1.75 (2019)	5	17.50
A.2.1.209.	M. STRAT, E. BURUIANA, D. DUMITRIU, <b>A.V. SANDU</b> , S. GURLUI, <i>Photophysical and Photochemical Properties of Polyurethane Coumarin Studied by Means of Electronic Spectra</i> , <b>REVISTA DE CHIMIE</b> , <b>68</b> , 7, 2017, p. 1568-1572.	1.75 (2019)	5	17.50
A.2.1.210.	G. IOVAN, S. STOLERIU, G. PANCU, I. NICA, <b>A.V. SANDU</b> , S. ANDRIAN, O. TANCULESCU, <i>Effect of Finishing Techniques on the Junction Between the Composite Restoration and the Dental Enamel</i> , <b>MATERIALE PLASTICE</b> , <b>54</b> , 2, 2017, p. 375-379.	0.7	7	5.00
A.2.1.211.	C.P. PAPADATU, <b>A.V. SANDU</b> , M. BORDEI, I.G. SANDU, <i>Study on the Influence of the Treatment in Magnetic Field on the Nitrided Layer in Plasma</i> , <b>REVISTA DE CHIMIE</b> , <b>68</b> , 4, 2017, p. 675-679	1.75 (2019)	4	21.88
A.2.1.212.	M.A. FARIS, M.M.A. ABDULLAH, <b>A.V. SANDU</b> , K.N. ISMAIL, L.M. MOGA, O. NECULAI, R. MUNIADY, <i>Assessment of Alkali Activated Geopolymer Binders as an Alternative of Portland Cement</i> , <b>MATERIALE PLASTICE</b> , <b>54</b> , 1, 2017, p. 145-154.	0.7	7	5.00
A.2.1.213.	K. GRUSZKA, M. NABIALEK, M. SZOTA, P. VIZUREANU, M.M.A. ABDULLAH, K. BLOCH, <b>A.V. SANDU</b> , <i>The Study of Magnetization in Strong Magnetic Fields for Fe62-xCO10NbxY8B20 (X=0, 1, 2) Alloys</i> , <b>REVISTA DE CHIMIE</b> , <b>68</b> , 2, 2017, p. 265-268 <a href="#">Corresponding author</a>	1.75 (2019)	7	12.50

A.2.1.214.	M. NABIALEK, P. PIETRUSIEWICZ, M. SZOTA, M.M.A. ABDULLAH, <b>A.V. SANDU</b> , <i>The Structure and Porosity of Fe62-xCo10WyMexY8B20-y Alloys in the Amorphous and Crystalline States (where: Me = Mo, Nb; x=0, 1, 2; y=0, 1, 2)</i> , <b>REVISTA DE CHIMIE</b> , 68, 1, 2017, p. 22-27. <i>Corresponding author</i>	1.75 (2019)	5	17.50
A.2.1.215.	V.G. VASILESCU, I. SANDU, G. NEMTOI, <b>A.V. SANDU</b> , V. POPESCU, V. VASILACHE, I.G. SANDU, E. VASILESCU, <i>The reactivity of Ti10Zr alloy in biological and electrochemical systems in the presence of chitosan</i> , <b>RSC ADVANCES</b> , 7, 23, 2017, p. 13919-13927 <i>Corresponding author</i>	3.9	8	24.38
A.2.1.216.	M.V. ADUMITROAEI, T. GAVRILOAIEI, <b>A.V. SANDU</b> , G.O. IANCU, Distribution of Mineral Nitrogen Compounds in Groundwater in Vaslui County (Romania), <b>REVISTA DE CHIMIE</b> , 67, 12, 2016, p. 2530-2536.	1.75 (2019)	4	21.88
A.2.1.217.	G.G. BALAN, L. PAVEL, <b>A.V. SANDU</b> , G. STEFANESCU, A.V. TRIFAN, Preliminary Study on Erosion of Polymer Coatings of Duodenoscopes, <b>MATERIALE PLASTICE</b> , 53, 4, 2016, p. 791-795. <i>Corresponding author</i>	0.7	5	7.00
A.2.1.218.	C.P. PAPADATU, I.G. SANDU, M. BORDEI, M. NABIALEK, <b>A.V. SANDU</b> , Influence of the Cooling Regime on the Characteristics of Plasticity in the Case of Steel for Metal Structures, <b>MATERIALE PLASTICE</b> , 53, 4, 2016, p. 771-775.	0.7	5	7.00
A.2.1.219.	G. PANCU, S. ANDRIAN, G. IOVAN, I. NICA, A. GHIORGHE, <b>A.V. SANDU</b> , S. STOLERIU, Study Regarding the Influence of Different Fluoride Compounds on Dental Hard Tissues Resistance to Acid Challenge, <b>REVISTA DE CHIMIE</b> , 67, 11, 2016, p. 2351-2354. .	1.75 (2019)	7	12.50
A.2.1.220.	C.P. PAPADATU, <b>A.V. SANDU</b> , M. BORDEI, I.G. SANDU, Improvement of the Properties Through Monitoring of the Cooling Regimes Applied to Steel for Metal Sculptures, <b>REVISTA DE CHIMIE</b> , 67, 11, 2016, p. 2306-2310.	1.75 (2019)	4	21.88
A.2.1.221.	L. GAVRILA, A. BALAN, A. MURARIU, A.V. SANDU, C. SAVIN, In vitro Study Regarding the Effect of Various Commercial Remineralizing Products on Primary and Permanent Teeth Dentine Caries Lesions, <b>REVISTA DE CHIMIE</b> , 67, 11, 2016, p. 2228-2230.	1.75 (2019)	5	17.50
A.2.1.222.	M.S. BALTATU, P. VIZUREANU, R. CIMPOESU, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , The Corrosion Behavior of TiMoZrTa Alloys Used for Medical Applications, <b>REVISTA DE CHIMIE</b> , 67, 10, 2016, p. 2100-2102. <i>Corresponding author</i>	1.75 (2019)	5	17.50
A.2.1.223.	N. RAHMAT, M.A. SABALI, <b>A.V. SANDU</b> , N. SAHIRON, I.G. SANDU, Study of Calcination Temperature and Concentration of NaOH Effect on Crystallinity of Silica from Sugarcane Bagasse Ash (SCBA), <b>REVISTA DE CHIMIE</b> , 67, 9, 2016, p. 1872-1875.	1.75 (2019)	5	17.50
A.2.1.224.	M. MASAE, L. SIKONG, P. KONGSONG, C. PHOLTHAWON, N. PAWANWATCHARAKORN, M.M.A. ABDULLAH, <b>A.V. SANDU</b> , Super Hydrophilicity and Photocatalytic Activity of Potassium Doped TiO2 Nanoparticulate Films, <b>REVISTA DE CHIMIE</b> , 67, 9, 2016, p. 1884-1890.	1.75 (2019)	7	12.50
A.2.1.225.	G.E. POPITA, C. ROSU, O. CORBU, A. POPOVICI, <b>A.V. SANDU</b> , M. PROOROCU, M.A. NICULA, Lead Migration Tendancy in Composite Materials with E-Waste Glass Embedded, <b>MATERIALE PLASTICE</b> , 53, 3, 2016, p. 375-377.	0.7	7	5.00
A.2.1.226.	M. G. MINCIUNA, P. VIZUREANU, D.C. ACHIȚEI, A.V. SANDU, The advanced characterization of a new alloy by Co-Cr-Mo system, <b>JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS</b> , 18, 7-8, 2016, p. 717-722.	0.5	4	6.25
A.2.1.227.	C. NEJNERU, M.C. PERJU, <b>A.V. SANDU</b> , M. AXINTE, M. QUARANTA, I. SANDU, M. COSTEA, M.M.A. ABDULLAH, Corrosion Behaviour of Tin Bronze for Shipbuilding Industry, <b>REVISTA DE CHIMIE</b> , 67, 6, 2016, p. 1191-1194. <i>Corresponding author</i>	1.75 (2019)	8	10.94
A.2.1.228.	G.E. POPITA, C. ROSU, D. MANCIULA, O. CORBU, A. POPOVICI, O. NEMES, <b>A.V. SANDU</b> , M. PROOROCU, S.B. DAN, Industrial Tanned Leather Waste Embedded in Modern Composite Materials, <b>MATERIALE PLASTICE</b> , 53, 2, 2016, p. 308-311	0.76	9	4.22
A.2.1.229.	K. GRUSZKA, M. NABIALEK, M. SZOTA, K. BLOCH, J. GONDRO, P. PIETRUSIEWICZ, <b>A.V. SANDU</b> , A.M.M. AL BAKRI, S. WALTERS, K. WALTERS, S. GARUS, M. DOSPIAL, J. MIZERA, Analysis of the Thermal and Magnetic Properties of Amorphous Fe61Co10Zr2.5Hf2.5Me2W2B20 (where Me = Mo, Nb, Ni OR Y) Ribbons, <b>ARCHIVES OF METALLURGY AND MATERIALS</b> , 61, 2, 2016, p. 641-644 .	0.7	13	2.69

A.2.1.230.	O. PARTENI, <b>A.V. SANDU</b> , C.D. RADU, L. OCHIUZ, C.M. LUCA, M. BOGDAN, C. REZUS, E. ULEA, <i>Study on Performing an Optimal Chitosan Cased Hydrogel for a New System of Controlled Release of Honokiol</i> , <b>REVISTA DE CHIMIE</b> , 67, 5, 2016, 911-915.	1.75 (2019)	8	10.94
A.2.1.231.	A.A. KADIR, A.S. ABDUL RAHIM, I.G. SANDU, M.M.A. ABDULLAH, <b>A.V. SANDU</b> , <i>Leachate Characteristic of Mosaic Sludge Brick</i> , <b>REVISTA DE CHIMIE</b> , 67, 5, 2016, 978-983. <i>Corresponding author</i>	1.75 (2019)	5	17.50
A.2.1.232.	A.A. KADIR, A. BENLAMOUDI, I.G. SANDU, M.M.A. ABDULLAH, <b>A.V. SANDU</b> , <i>Leachability of Lead by Incorporation of Treated and Untreated Sugarcane Bagasse in Solidification/stabilization Method A comparative study</i> , <b>REVISTA DE CHIMIE</b> , 67, 4, 2016, 673-678. <i>Corresponding author</i>	1.75 (2019)	5	17.50
A.2.1.233.	I.A. ZAKARYA, I. ABUSTAN, N. ISMAIL, T.N.T. IZHAR, S.Y. YUSUF, <b>A.V. SANDU</b> , <i>A Study on Relationship Between Volatile Fatty Acids Concentrations and Methane Gas Production in Two-Phase Reactor</i> , <b>REVISTA DE CHIMIE</b> , 67, 4, 2016, 774-778	1.75 (2019)	6	14.58
A.2.1.234.	N.N.A.N. ADIK, O.H. LIN, H.M. AKIL, <b>A.V. SANDU</b> , A. VILLAGRACIA, N.G. SANTOS, <i>Effects of Stearic Acid on Tensile, Morphological and Thermal Analysis of Polypropylene (PP)/Dolomite (Dol) Composites</i> , <b>MATERIALE PLASTICE</b> , 53, 1, 2016, pp. 61-64. <i>Corresponding author</i>	0.7	6	5.83
A.2.1.235.	A.BALAN, C. SAVIN, <b>A.V. SANDU</b> , S. STOLERIU, <i>Study Regarding the Behaviour of Glass-ionomer Cements in Different Acidic Solutions</i> , <b>MATERIALE PLASTICE</b> , 53, 1, 2016, pp. 100-103.	0.7	4	8.75
A.2.1.236.	M.G. MINCIUNA, P. VIZUREANU, M. MARES, V. NASTASA, D.C. ACHITEI, <b>A.V. SANDU</b> , <i>Biocompatibility Study of CoCrMoSi Original Alloy Variants</i> , <b>REVISTA DE CHIMIE</b> , 67, 2, 2016, 362-365.	1.75 (2019)	6	14.58
A.2.1.237.	S.I. TANASE, D. TANASE, M. DOBROMIR, <b>A.V. SANDU</b> , V. GEORGESCU, SEM, XPS Studies, and Magnetoresistance Properties of Co, Ni, Co-N, and Ni-N Thin Films Prepared by Electrodeposition, <b>JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM</b> , 29, 2, 2016, 469-475	1.7	5	17.00
A.2.1.238.	M.G. MINCIUNA, P. VIZUREANU, D.C. ACHITEI, <b>A.V. SANDU</b> , A. BERBECARU, I.G. SANDU, <i>Structural characterization and properties analysis of CoCrMoSi Alloys</i> , <b>JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS</b> , 18, 1-2, 2016, 174-178.	0.5	6	4.17
A.2.1.239.	R. AHMAD, M.M.A.B. ABDULLAH, K. HUSSIN, <b>A.V. SANDU</b> , M. BINHUSSAIN, N.A. JAYA, <i>Processing And Properties Of Polymer Filled Geopolymer Ceramics Fabricated Via Powder Metallurgy Method: A Review</i> , <b>REVIEWS ON ADVANCED MATERIALS SCIENCE</b> , 44, 1, 2016, 26-32.	3.9	6	32.50
A.2.1.240.	K. EARAR, D. CERGHIZAN, <b>A.V. SANDU</b> , M.N. MATEI, R. LEATA, I.G. SANDU, C. BEJINARIU, M. COMAN, <i>The Role of Functional Polymers in the Optimization of the Acrylic Biomaterials Used in Removable Prosthetic Restoration II. Assessment of traction test and antifungal activity</i> , <b>MATERIALE PLASTICE</b> , 52, 4, 2015, pp. 487-493.	0.7	8	4.38
A.2.1.241.	A. POPOVICI, O. CORBU, G.E. POPITA, C. ROSU, M. PROOROCU, <b>A.V. SANDU</b> , M.M.A.B. ABDULLAH, <i>Modern Mortars with Electronic Waste Scraps (Glass and Plastic)</i> , <b>MATERIALE PLASTICE</b> , 52, 4, 2015, pp. 588-592.	0.7	8	4.38
A.2.1.242.	G. PANCU, G. IOVAN, A. GHIORGHE, C. TOPOLICEANU, I. NICA, N. TOFAN, S. STOLERIU, A.V. SANDU, S. ANDRIAN, <i>The Assessment of Biological Parameters and Remineralisation Potential of Saliva in Pregnancy</i> , <b>REVISTA DE CHIMIE (Bucharest)</b> , 66, 12, 2015, pp. 2051-2056.	1.75 (2019)	9	9.72
A.2.1.243.	O. PARTENI, C.D. RADU, A. MURESAN, A.V. SANDU, L.C. OPROIU, L. CIOBANU, I.G. SANDU, <i>Textile Performances of Some Biomaterials with Controlled Release of a Drug for Cutaneous Therapies</i> , <b>REVISTA DE CHIMIE (Bucharest)</b> , 66, 11, 2015, pp. 1780-1785.	1.75 (2019)	7	12.50
A.2.1.244.	M. AXINTE, C. NEJNERU, M.C. PERJU, <b>A.V. SANDU</b> , M.D. AELENEI, M. COSTEA, <i>Corrosion Behaviour of Some Steels in Black Sea Water</i> , <b>REVISTA DE CHIMIE (Bucharest)</b> , 66, 11, 2015, pp. 1846-1851. <i>Corresponding author</i>	1.75 (2019)	6	14.58

A.2.1.245.	O. PARTENI, C.D. RADU, A. MURESAN, M. POPA, L. OCHIUZ, <b>A.V. SANDU</b> , G. AGAFITEI, B. ISTRATE, C. MUNTEANU, <i>Improving the Obtaining Factors of a Chitosan Hydrogel Based Biomaterial</i> , <b>REVISTA DE CHIMIE (Bucharest)</b> , <b>66</b> , 10, 2015, pp. 1595-1599.	1.75 (2019)	9	9.72
A.2.1.246.	<b>A.V. SANDU</b> , A. CIOMAGA, G. NEMTOI, M.M.A.B. ABDULLAH, I. SANDU, <i>Corrosion Of Mild Steel By Urban River Water</i> , <b>INSTRUMENTATION SCIENCE AND TECHNOLOGY</b> , 43, 2015, pp. 545–557. <i>First author</i>	1.3	6	10.83
<b>A.2.1.247.</b>	N.M. NOOR, A.S. YAHAYA, N.A. RAMLI, F.A. LUCA, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , <i>Variation of Air Pollutant (Particulate Matter - PM10) in Peninsular Malaysia. Study in the southwest coast of peninsular Malaysia</i> , <b>REVISTA DE CHIMIE (Bucharest)</b> , <b>66</b> , 9, 2015, pp. 1443-1447.	1.75 (2019)	6	14.58
A.2.1.248.	L. GAVRILA, A. MAXIM, A. BALAN, S. STOLERIU, A.V. SANDU, V. SERBAN, C. SAVIN, <i>Comparative Study Regarding the Effect of Different Remineralizing Products on Primary and Permanent Teeth Enamel Caries Lesions</i> , <b>REVISTA DE CHIMIE (Bucharest)</b> , <b>66</b> , 8, 2015, pp. 1156-1161.	1.75 (2019)	7	12.50
A.2.1.249.	M.C. BURTEA, A.G. CIOROMELE, M. BORDEI, A. CIUREA, G. ROMANESCU, <b>A.V. SANDU</b> , <i>Research on sustainable exploitation of ecosystems from the big island of Braila</i> , <b>REVISTA DE CHIMIE (Bucharest)</b> , <b>66</b> , 8, 2015, pp. 1222-1226.	1.75 (2019)	6	14.58
A.2.1.250.	M.M.A. ABDULLAH, M.F.M. TAHIR, K. HUSSIN, M. BINHUSSAIN, I.G. SANDU, Z. YAHYA, <b>A.V. SANDU</b> , <i>Fly Ash Based Lightweight Geopolymer Concrete Using Foaming Agent Technology</i> , <b>REVISTA DE CHIMIE (Bucharest)</b> , <b>66</b> , 7, 2015, pp. 1001-1003.	1.75 (2019)	7	12.50
A.2.1.251.	D.C. ACHITEI, P. VIZUREANU, M.G. MINCIUNA, <b>A.V. SANDU</b> , A. BUZAIANU, D.I. DANA, <i>Obtaining of New Flux Coated Electrodes used for Welding-brazing Operations</i> , <b>MATERIALE PLASTICE</b> , 52, 2, 2015, pp. 165-167.	0.7	6	5.83
A.2.1.252.	M.I. JAFFAR, W.H.W. BADARUZZAMAN, M.M.A.B. ABDULLAH, S. BAHAROM, L.M. MOGA, <b>A.V. SANDU</b> , <i>Relationship Between Panel Stiffness and Mid-span Deflection in Profiled Steel Sheeting Dry Board with Geopolymer Concrete Infill</i> , <b>MATERIALE PLASTICE</b> , 52, 2, 2015, pp. 243-248.	0.7	6	5.83
A.2.1.253.	M.G. MINCIUNA, P. VIZUREANU, V. GEANTA, I. VOICULESCU, <b>A.V. SANDU</b> , D.C. ACHITEI, A.M. VITALARIU, <i>Effect of Si on the Microstructure and Mechanical Properties of Biomedical CoCrMo Alloy</i> , <b>REVISTA DE CHIMIE</b> , 66, 6, 2015, pp. 891-894.	1.75 (2019)	7	12.50
A.2.1.254.	Z. YAHYA, M.M.A.B. ABDULLAH, K. HUSSIN, K.N. ISMAIL, R.A. RAZAK, <b>A.V. SANDU</b> , <i>Effect of Solids-To-Liquids, Na<sub>2</sub>SiO<sub>3</sub>-To-NaOH and Curing Temperature on the Palm Oil Boiler Ash (Si + Ca) Geopolymerisation System</i> , <b>MATERIALS</b> , 8, 5, 2015, pp. 2227-2242	3.2	6	26.67
A.2.1.255.	M.C. BURLACU-ARSENE, C. LEONTE, M.C. ANTONESCU, <b>A.V. SANDU</b> , M.G. MINCIUNA, <i>Influence of Water Deficit Stress on Some Physio-morphological Indices at Some Oilseed Rape Cultivars</i> , <b>REVISTA DE CHIMIE</b> , 66, 4, 2015, pp. 487-491.	1.75 (2019)	5	17.50
A.2.1.256.	A. BALAN, S. ANDRIAN, C. SAVIN, <b>A.V. SANDU</b> , A. PETCU, S. STOLERIU, <i>Comparative Study Regarding the Effect of Remineralizing Products on Primary Teeth Dissolution Induced by Acidic Drinks</i> , <b>REVISTA DE CHIMIE</b> , 66, 4, 2015, pp. 562-564.	1.75 (2019)	6	14.58
A.2.1.257.	L. HRISTIAN, <b>A.V. SANDU</b> , L.R. MANEA, E.A. TULBURE, K. EARAR, <i>Analysis of the Principal Components on the Durability and Comfort Indices of the Fabrics Made of Core-coating Filament Yarns</i> , <b>REVISTA DE CHIMIE</b> , 66, 3, 2015, pp. 342-347.	1.75 (2019)	5	17.50
A.2.1.258.	A. BALAN, S. STOLERIU, S. ANDRIAN, <b>A.V. SANDU</b> , G. IOVAN, V. SERBAN-PINTILICIUC, <i>Morphological Study Regarding the Effect of Surface Finishing and Polishing on Corrosion Behaviour of Some Commercial Dental Amalgams</i> , <b>REVISTA DE CHIMIE</b> , 66, 2, 2015, pp. 182-186.	1.75 (2019)	6	14.58
A.2.1.259.	K. EARAR, M.N. MATEI, <b>A.V. SANDU</b> , L. HRISTIAN, C. BEJINARIU, I.G. SANDU, <i>The Role of Functional Polymers in the Optimisation of Acrylic Biomaterials used in Amovable Prosthetic Restoration I. The experimental protocol using the Iosipescu test</i> , <b>MATERIALE PLASTICE</b> , 52, 1, 2015, pp. 98-103.	0.7	6	5.83
A.2.1.260.	A. BALAN, <b>A.V. SANDU</b> , S. STOLERIU, V.S. PINTILICIUC, V. TOMA, <i>Effect of Different Finishing and Polishing Systems on the Surface Roughness of Composite Resins</i> , <b>MATERIALE PLASTICE</b> , 52, 1, 2015, pp. 55-57.	0.7	5	7.00



A.2.1.261.	I. SANDU, M. CANACHE, M., <b>A.V. SANDU</b> , M. CHIRAZI, T. MIHAESCU, L.E. CHECHERITA, I.G. SANDU, The influence of NaCl aerosols on weight and height development of children, <b>ENVIRONMENTAL MONITORING AND ASSESSMENT</b> , 187, no. 2, 2015, art. 15.	3	7	21.43
A.2.1.262.	S. RAMASAMY, K. HUSSIN, M.M.A.B. ABDULLAH, C.M.R. GHAZALI, <b>A.V. SANDU</b> , M. BINHUSSAIN, N.F. SHAHEDAN, <i>Recent dissertations on kaolin based geopolymer materials</i> , <b>REVIEWS ON ADVANCED MATERIALS SCIENCE</b> , 42, 1, 2015, pp. 83-91	3.9	7	27.86
A.2.1.263.	I. SANDU, M. CANACHE, T. MIHAESCU, M. CHIRAZI, <b>A.V. SANDU</b> , L.M. TRANDAFIR, A.C. LUCA, L.E. CHECHERITA, Influence of NaCl Aerosols on the Functional Characteristics of Children, <b>REVISTA DE CHIMIE</b> , 66, 1, 2015, pp. 60-65.	1.75 (2019)	8	10.94
A.2.1.264.	A. BALAN, S. STOLERIU, S. ANDRIAN, <b>A.V. SANDU</b> , C. SAVIN, <i>In vitro Study Regarding the Effect of Different Types of Etching Acids on the Morphology and Chemical Content of the External Surface of Enamel Carious Lesion on Primary Teeth</i> , <b>REVISTA DE CHIMIE</b> , 66, 1, 2015, pp. 70-73.	1.75 (2019)	5	17.50
A.2.1.265.	L.M. BIRSA, <b>A.V. SANDU</b> , A. BALAN, <i>Synthesis of New 1,3-Dithiolium Derivatives from 4-Hydroxyacetophenones</i> , <b>REVISTA DE CHIMIE</b> , 65, 12, 2014, pp. 1435-1438.	1.75 (2019)	3	29.17
A.2.1.266.	M.H. SUBLI, M.F. OMAR, I.G. SANDU, N.N. ZULKEPLI, M.M.A. BAKRI ABDULLAH, <b>A.V. SANDU</b> , <i>Effects of Hybrid Fillers on the Wear, Tensile and Morphology Properties of UHMWPE/Chitosan-ZnO Composites</i> , <b>MATERIALE PLASTICE</b> , 51, 4, 2014, pp. 391-395.	0.7	6	5.83
A.2.1.267.	G. PANCU, S. ANDRIAN, A. MOLDOVANU, I. NICA, <b>A.V. SANDU</b> , S. STOLERIU, <i>Effect of Some Food Intake on Erosive Beverage Action on Dental Enamel and Cement</i> , <b>MATERIALE PLASTICE</b> , 51, 4, 2014, pp. 428-431.	0.7	6	5.83
A.2.1.268.	R.I. NOVAC, <b>A.V. SANDU</b> , E. VASILESCU, I. SANDU, <i>Composite Coatings in Copper Matrix with Graphite as Dispersed Phase obtained by Electrodeposition</i> , <b>REVISTA DE CHIMIE</b> , 65, 11, 2014, pp. 1306-1309.	1.75 (2019)	4	21.88
A.2.1.269.	W.M.W. IBRAHIM, M.M.A. BAKRI ABDULLAH, <b>A.V. SANDU</b> , K. HUSSIN, I.G. SANDU, K.N. ISMAIL, A.A. KADIR, M. BINHUSSAIN, <i>Processing and Characterization of Fly Ash-Based Geopolymer Bricks</i> , <b>REVISTA DE CHIMIE</b> , 65, 11, 2014, pp. 1340-1345.	1.75 (2019)	8	10.94
A.2.1.270.	I.G. SANDU, F.A. TENCARIU, D.M. VORNICU, <b>A.V. SANDU</b> , A. VORNICU, V. VASILACHE, I. SANDU, Establishing the Archaeo-Metallurgic Ornamentation Process of an Axe From the Bronze Age by OM, SEM-EDX, and Micro-FTIR, <b>MICROSCOPY RESEARCH AND TECHNIQUE</b> , 77, 11, 2014, pp. 918-927.	2.1	7	15.00
A.2.1.271.	M.G. MINCIUNA, P. VIZUREANU, D.C. ACHITEI, B. GHIBAN, <b>A.V. SANDU</b> , D. MARECI, A. BALAN, <i>Electrochemical behaviour of CoCrMo and CoCrMoSi5 alloys at different simulated physiological mediumm</i> , <b>REVISTA DE CHIMIE</b> , 65, 10, 2014, pp. 1138-1141.	1.75 (2019)	7	12.50
A.2.1.272.	N.F. SHAHEDAN, M.M.A. BAKRI ABDULLAH, K. HUSSIN, I. SANDU, C.M. RUZAIDI GHAZALI, M. BINHUSSAIN, Z. YAHYA, <b>A.V. SANDU</b> , <i>Characterization and Design of Alkali Activated Binder for Coating Application</i> , <b>MATERIALE PLASTICE</b> , 51, 3, 2014, pp. 258-262.	0.7	8	4.38
A.2.1.273.	A.B. AZEEZ, K.S. MOHAMMED, M.M.A. BAKRI ABDULLAH, N.N. ZULKEPLI, <b>A.V. SANDU</b> , K. HUSSIN, A. RAHMAT, <i>Design of Flexible Green Anti Radiation Shielding Material against Gamma-ray</i> , <b>MATERIALE PLASTICE</b> , 51, 3, 2014, pp. 300-308.	0.7	7	5.00
A.2.1.274.	C.A. GHIORGHE, S. STOLERIU, G. PANCU, C. TOPOLICEANU, <b>A.V. SANDU</b> , S. ANDRIAN, <i>Changes of the mineral structure in the enamel adjacent to three types of restorative materials after immersion in hydrochloric acid</i> , <b>REVISTA DE CHIMIE</b> , 65, 9, 2014, pp. 1021-1025.	1.75 (2019)	6	14.58
A.2.1.275.	R.A. RAZAK, M.M.A. BAKRI ABDULLAH, K. HUSSIN, K.N. ISMAIL, I.G. SANDU, D. HARDJITO, Z. YAHYA, <b>A.V. SANDU</b> , <i>Assessment on the Potential of Volcano Ash as Artificial Lightweight Aggregates using Geopolymerisation Method</i> , <b>REVISTA DE CHIMIE</b> , 65, 7, 2014, pp. 828-834.	1.75 (2019)	8	10.94



A.2.1.276.	S. STOLERIU, G. IOVAN, G. PANCU, A. GEORGESCU, <b>A.V. SANDU</b> , S. ANDRIAN, <i>In vitro evaluation of acidic beverages effect in dentine and cement, with and without storage in artificial saliva</i> , <b>MATERIALE PLASTICE</b> , 51, 2, 2014, pp. 162 – 166.	0.7	6	5.83
A.2.1.277.	M.R.J. NASIR, N.N. ZULKEPLI, M.M.A. BAKRI ABDULLAH, M.F. OMAR, H. ISMAIL, <b>A.V. SANDU</b> , <i>The Effects of Different Particle Sizes of Recycled Acrylonitrile Butadiene Rubber and its Blend Ratios on Mechanical and Morphological Properties of vNBR/rNBR Blends</i> , <b>MATERIALE PLASTICE</b> , 51, 2, 2014, pp. 201-204.	0.7	6	5.83
A.2.1.278.	I. SANDU, O. MIRCEA, <b>A.V. SANDU</b> , V. VASILACHE, I.G. SANDU, <i>Study of the Liesegang Chemical Effects in Antique Bronze Artefacts During Their Stay Within an Archaeological Site</i> , <b>REVISTA DE CHIMIE</b> , 65, 3, 2014, pp. 311-319.	1.75 (2019)	5	17.50
A.2.1.279.	M.G. MINCIUNĂ, P. VIZUREANU, D.C. ACHIȚEI, N. GHIBAN, <b>A.V. SANDU</b> , N.C. FORNA, <i>Structural Characterization of some CoCrMo Alloys with Medical Applications</i> , <b>REVISTA DE CHIMIE</b> , 65, 3, 2014, pp. 335-338.	1.75 (2019)	6	14.58
A.2.1.280.	C. NEJNERU, P. VIZUREANU, <b>A.V. SANDU</b> , A. GRECU, N. CIMPOESU, <i>Thermal Fatigue of Some Synthetic Hardening Environments with CMC</i> , <b>REVISTA DE CHIMIE</b> , 65, 2, 2014, pp. 194-198.	1.75 (2019)	5	17.50
A.2.1.281.	Z. YAHYA, M.M.A. AL BAKRI, H. KAMARUDIN, K.N. ISMAIL, <b>A.V. SANDU</b> , P. VIZUREANU, R. ABDUL RAZAK, <i>Chemical and Physical Characterization of Boiler Ash from Palm Oil Industry Waste for Geopolymer Composite</i> , <b>REVISTA DE CHIMIE</b> , 64, 12, 2013, pp. 1408-1412.	1.75 (2019)	7	12.50
A.2.1.282.	C.A. GHIORGHE, G. IOVAN, C. TOPOLICEANU, <b>A.V. SANDU</b> , S. ANDRIAN, <i>Comparative study regarding the colorimetric changes of two composite resins after immersion in several beverages and one antibacterial mouthwash</i> , <b>REVISTA DE CHIMIE</b> , 64, 12, 2013, pp. 1436-1440.	1.75 (2019)	5	17.50
A.2.1.283.	C. TOPOLICEANU, S. STOLERIU, A. GHIORGHE, <b>A.V. SANDU</b> , S. ANDRIAN, <i>Chemical changes of enamel occlusal surfaces affected by incipient dental caries: An EDX study</i> , <b>REVISTA DE CHIMIE</b> , 64, 11, 2013, pp. 1324-1328.	1.75 (2019)	5	17.50
A.2.1.284.	C. ARNĂUȚEANU, S. STOLERIU, G. IOVAN G., <b>A.V. SANDU</b> , A.A. ILIESCU, A. SORIN, <i>Comparative study regarding the impact of saliva on chemical dissolution of enamel induced by various acidic beverages</i> , <b>REVISTA DE CHIMIE</b> , 64, 11, 2013, pp. 1335-1338.	1.75 (2019)	6	14.58
A.2.1.285.	A.B. AZEEZ, K.S. MOHAMMED, M.M.A. BAKRI ABDULLAH, K. HUSSIN, <b>A.V. SANDU</b> , R.A. RAZAK, <i>The Effect of Various Wastes Materials Contents on the Attenuation Level of Anti-Radiation Shielding Concrete</i> , <b>MATERIALS</b> , 6, 2013, pp. 4836-4846	3.2	6	26.67
A.2.1.286.	A. MOLDOVANU, G. PANCU, S. STOLERIU, A. GEORGESCU., <b>A.V. SANDU</b> , S. ANDRIAN, <i>Study Regarding the Inorganic Component Changes in Remaining Root Dentin after Carious Dentin Removal with Carisolv System</i> , <b>REVISTA DE CHIMIE</b> , 64, 10, 2013, pp.1096-1099.	1.75 (2019)	6	14.58
A.2.1.287.	S. KUCKOVA, I.C.A. SANDU, M. CRHOVA, R. HYNEK, I. FOGAS, V.S. MURALHA, <b>A.V. SANDU</b> , <i>Complementary cross-section based protocol of investigation of polychrome samples of a 16th century Moravian Sculpture by optical, vibrational and mass spectrometric techniques</i> , <b>MICROCHEMICAL JOURNAL</b> , 110, 2013, pp. 538–544	4.9	7	35.00
A.2.1.288.	A.M. IZZAT, A.M.M. AL BAKRI, H. KAMARUDIN, <b>A.V. SANDU</b> , G.C. MOHD RUZAIDI, M.T. MUHAMMAD FAHEEM, L.M. MOGA, <i>Sulfuric acid attack on ordinary portland cement and geopolymer material. A review</i> , <b>MATERIALE PLASTICE</b> , 2013, 3, pp. 171-174.	0.7	7	5.00
A.2.1.289.	A.M. IZZAT, A.M.M. AL BAKRI, H. KAMARUDIN, L.M. MOGA, G.C. MOHD RUZAIDI, M.T. MUHAMMAD FAHEEM, <b>A.V. SANDU</b> , <i>Microstructural analysis of geopolymer and ordinary portland cement mortar exposed to sulfuric acid</i> , <b>REVISTA DE CHIMIE</b> , 64, 9, 2013, pp. 1011-1014.	1.75 (2019)	7	12.50
A.2.1.290.	<b>A.V. SANDU</b> , C. BEJINARIU, G. NEMTOI, I.G. SANDU, P. VIZUREANU, I. IONITA, C. BACIU, <i>New anticorrosion layers obtained by chemical phosphatation</i> , <b>REVISTA DE CHIMIE</b> , 64, 8, 2013, pp. 825-827. <i>First author</i>	1.75 (2019)	7	12.50

A.2.1.291.	A.B. AZEEZ, K.S. MOHAMMED, <b>A.V. SANDU</b> , A.M.M. AL BAKRI, I.G. SANDU, <i>Evaluation of Radiation Shielding Properties for Concrete with Different Aggregate Granule Sizes</i> , <b>REVISTA DE CHIMIE</b> , 64, 8, 2013, pp. 899-903.	1.75 (2019)	5	17.50
A.2.1.292.	M.A.A. MOHD SALLEH, M.M.A. AL BAKRI, F. SOMIDIN, <b>A.V. SANDU</b> , N. SAUD, H. KAMARUDDIN, S.D. MCDONALD, K. NOGITA, <i>A Comparative Study of Solder Properties of SN-0.7CU Lead-free Solder Fabricated Via the Powder Metallurgy and Casting Methods</i> , <b>REVISTA DE CHIMIE</b> , 64, 7, 2013, pp. 725-728.	1.75 (2019)	7	12.50
A.2.1.293.	BURUIANA D.L., BORDEI M., <b>SANDU A.V.</b> , CHIRCULESCU A.I., SANDU I.G., <i>Studies on Grit Use in Asphalt Mixtures (II)</i> , <b>MATERIALE PLASTICE</b> , 50, 2, 2013, pp. 113-118.	0.7	5	7.00
A.2.1.294.	A.M. SAVIUC-PAVAL, <b>A.V. SANDU</b> , I.M. POPA, I.C.A. SANDU, A.P. BERTEA, I. SANDU, <i>Colorimetric and microscopic study of the thermal behavior of new ceramic pigments</i> , <b>MICROSCOPY RESEARCH AND TECHNIQUE</b> , 76 (6), 2013, pp. 564-571.	2.1	6	17.50
A.2.1.295.	C. ADOMNITEI, D. LUCA, M. GIRTAN, I. SANDU, V. NICA, <b>A.V. SANDU</b> , D. MARDARE, <i>Nb-doped TiO<sub>2</sub> thin films deposited by spray pyrolysis method</i> , <b>JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS</b> , 15, 5-6, 2013, pp. 519–522	0.5	7	3.57
A.2.1.296.	E. CHIRILA, M. SUSAN, B.L. GAVRILA, <b>A.V. SANDU</b> , <i>Processing and Characterization of 10TiNiCr180 Tubes with Thin Walls by Drawing in Ultrasound Field</i> , <b>REVISTA DE CHIMIE</b> , 64, 5, 2013, pp. 482-486.	1.75 (2019)	4	21.88
A.2.1.297.	A.M. MUSTAFA AL BAKRI, H. KAMARUDIN, I.K. NIZAR, <b>A.V. SANDU</b> , M. BINHUSSAIN, Y. ZARINA, A.R. RAFIZA, <i>Design, Processing and Characterization of Fly Ash-Based Geopolymers for Lightweight Concrete Application</i> , <b>REVISTA DE CHIMIE</b> , 64, 4, 2013, pp. 382-387.	1.75 (2019)	7	12.50
A.2.1.298.	RAMBU, A.P., SIRBU, D., <b>SANDU, A.V.</b> , PRODAN, G., NICA, V., <i>Influence of In doping on electro-optical properties of ZnO films</i> , <b>BULLETIN OF MATERIALS SCIENCE</b> 36, 2, 2013, pp. 231-237.	2.1	5	21.00
A.2.1.299.	<b>A.V. SANDU</b> , A. CIOMAGA, G. NEMTOI, C. BEJINARIU, I. SANDU, <i>“SEM-EDX and microFTIR studies on evaluation of protection capacity of some thin phosphate layers”</i> , <b>MICROSCOPY RESEARCH AND TECHNIQUE</b> , 75, 12, 2012, pp. 1711-1716. First author	2.1	5	21.00
A.2.1.300.	S. STOLERIU, G. IOVAN, G. PANCU, A. GEORGESCU, <b>A.V. SANDU</b> , S. ANDRIAN, <i>Study Regarding the Resistance of Enamel and Dentine Affected by Dental Fluorosis to Demineralization Challenge</i> , <b>REVISTA DE CHIMIE</b> , 63, 11, 2012, pp. 1120-1123.	1.75 (2019)	6	14.58
A.2.1.301.	C.E. CIOMAGA, C.S. OLARIU, L. PADURARIU, <b>A.V. SANDU</b> , C. GALASSI, L. MITOSERIU, <i>Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling</i> , <b>JOURNAL OF APPLIED PHYSICS</b> , 112, 9, 2012, Article Number: 094103.	2.5	6	20.83
A.2.1.302.	O. MIRCEA, I. SANDU, V. VASILACHE, <b>A.V. SANDU</b> , <i>Study of the atypical formations in the corrosion bulks of an ancient bronze shield, by optical and electron microscopy</i> , <b>MICROSCOPY RESEARCH AND TECHNIQUE</b> , 75, 11, 2012, pp. 1467-1474.	2.1	4	26.25
A.2.1.303.	M. POIANĂ, M. DOBROMIR, <b>A.V. SANDU</b> , V. GEORGESCU, <i>Investigation of Structural, Magnetic and Magnetotransport Properties of Electrodeposited Co–TiO<sub>2</sub> Nanocomposite Films</i> , <b>JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM</b> , 25, 7, 2012, pp. 2377-2387.	1.7	4	21.25
A.2.1.304.	O. MIRCEA, I. SANDU, V. VASILACHE, <b>A.V. SANDU</b> , <i>Research on Atypical Formations from Corrosion Bulks of an Ancient Bronze</i> , <b>REVISTA DE CHIMIE</b> , 63, 9, 2012, pp. 893-899.	1.75 (2019)	4	21.88
A.2.1.305.	R. SCARLET, L.R. MANEA, I. SANDU, B. CRAMARIUC, <b>A.V. SANDU</b> , <i>„The Influence of the Needle - Collector Distance Upon the Characteristics of the Polyetherimide Nanofibres Obtained by Electrospinning”</i> , <b>REVISTA DE CHIMIE</b> , 63, 8, 2012, pp. 777-782.	1.75 (2019)	5	17.50
A.2.1.306.	M. IRIMIA, F. IACOMI, A.P. RAMBU, <b>A.V. SANDU</b> , C. DOROFTEI, I. SANDU, <i>„Influence of Substrate Temperature on the Properties of Ga Doped ZnO thin Films”</i> , <b>REVISTA DE CHIMIE</b> , 63, 8, 2012, pp. 803-808.	1.75 (2019)	6	14.58

A.2.1.307.	S.I. TANASE, D. TANASE, <b>A.V. SANDU</b> , V. GEORGESCU, Magnetic Field Effects on Surface Morphology and Magnetic Properties of Co–Ni–N Thin Films Prepared by Electrodeposition, <b>JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM</b> , 25, 6, 2012, pp. 2053-2057.	1.7	4	21.25
A.2.1.308.	<b>A.V. SANDU</b> , C. CODDET, C. BEJINARIU, “Study on the chemical deposition on steel of zinc phosphate with other metallic cations and hexamethilen tetramine. I. Preparation and structural and chemical characterization”, <b>JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS</b> , 14, 7-8, 2012, 699 - 703. <i>First author</i>	0.5	3	8.33
A.2.1.309.	<b>A.V. SANDU</b> , A. CIOMAGA, G. NEMTOI, C. BEJINARIU, I. SANDU, “Study on the chemical deposition on steel of zinc phosphate with other metallic cations and hexamethilen tetramine. II. Evaluation of corrosion resistance”, <b>JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS</b> , 14, 7-8, 2012, 704-708. <i>First author</i>	0.5	5	5.00
A.2.1.310.	<b>A.V. SANDU</b> , C. CODDET, C. BEJINARIU, A Comparative Study on Surface Structure of Thin Zinc Phosphates Layers Obtained Using Different Deposition Procedures on Steel, <b>REVISTA DE CHIMIE</b> , 63, 4, 2012, pp. 401-406. <i>First author</i>	1.75 (2019)	3	29.17
A.2.1.311.	M. POIANA, L. VLAD, P. PASCARIU, <b>A.V. SANDU</b> , V. NICA, V. GEORGESCU, Effects of current density on morphology and magnetic properties of Co-TiO <sub>2</sub> electrodeposited nanocomposite films, <b>OPTOELECTRONICS AND ADVANCED MATERIALS, RAPID COMMUNICATIONS</b> , 6 (3-4), 2012, pp. 434-440	0.4	6	3.33
A.2.1.312.	A.M. SAVIUC-PAVAL, I. SANDU, I.M. POPA, A.V. SANDU, M. BREBU, I.G. SANDU Obtaining and Characterization of New Ceramic Pigments for Polychrome Artistic Elements III. Thermogravimetric analysis, <b>REVISTA DE CHIMIE</b> , 63, 3, 2012, pp. 275-284.	1.75 (2019)	6	14.58
A.2.1.313.	L. VLAD, <b>A.V. SANDU</b> , V. GEORGESCU, The Effects of the Thermal Treatment on the Structural and Magnetic Properties of Zn–Co Alloys Prepared by Electrochemical Deposition, <b>JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM</b> , 25, 2012, pp. 469-474.	1.7	3	28.33
A.2.1.314.	P. PASCARIU, S.I. TANASE, D. PINZARU, <b>A.V. SANDU</b> , V. GEORGESCU, Preparation and magnetic properties of electrodeposited [Co/Zn] multilayer films, <b>MATERIALS CHEMISTRY AND PHYSICS</b> , 131, 3, 2012, pp. 561–568.	4.7	5	47.00
A.2.1.315.	A.M. SAVIUC-PAVAL, I. SANDU, I.M. POPA, I.G. SANDU, V. VASILACHE, A.V. SANDU, Obtaining and Characterization of Ceramic Pigments for Polychrome Artistic Elements I. Synthesis and SEM-EDX and $\mu$ -FTIR Analysis, <b>REVISTA DE CHIMIE</b> , 63, 1, 2012, pp. 40-48.	1.75 (2019)	6	14.58
A.2.1.316.	S. STOLERIU, G. IOVAN, A. GEORGESCU, <b>A.V. SANDU</b> , M. ROSCA, S. ANDRIAN, Study regarding the effect of acid beverages and oral rinsing solutions on dental hard tissues, <b>REVISTA DE CHIMIE</b> , 63, 1, 2012, pp. 68-73	1.75 (2019)	6	14.58
A.2.1.317.	F. IACOMI, G. CALIN, C. SCARLAT, M. IRIMIA, C. DOROFTEI, M. DOBROMIR, G.G. RUSU, N. IFTIMIE, <b>A.V. SANDU</b> , Functional properties of nickel cobalt oxide thin films, <b>THIN SOLID FILMS</b> , 520, 1, 2011, pp. 651-655.	2	9	11.11
A.2.1.318.	S.I. TANASE, D. PINZARU(TANASE), P. PASCARIU, M. DOBROMIR, <b>A.V. SANDU</b> , V. GEORGESCU, Effect of nitrogen addition on the morphology, magnetic and magnetoresistance properties of electrodeposited Co, Ni and Co–Ni granular thin films onto aluminum substrates, <b>MATERIALS CHEMISTRY AND PHYSICS</b> , 130, 2011, 327– 333.	4.7	6	39.17
A.2.1.319.	R. BOSINCEANU, F. IACOMI, <b>A.V. SANDU</b> , Preparation in situ and characterization of zeolite enclosed nanoparticles, <b>JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS</b> , 13, 9-10, 2011, 1095-1100.	0.5	3	8.33
A.2.1.320.	C. TABACARU, A. CARLESCU, <b>A.V. SANDU</b> , M.I. PETCU, F. IACOMI, Effect of Annealing and Gamma Irradiation on Clay Mineral Properties, <b>REVISTA DE CHIMIE</b> , Bucureşti, vol. 62, 4, 2011, pp. 427 – 431.	1.75 (2019)	5	17.50
A.2.1.321.	D. PINZARU, S.I. TANASE, P. PASCARIU, <b>A.V. SANDU</b> , V. NICA, V. GEORGESCU, Magnetic properties and giant magnetoresistance effect in [Fe/Pt] <i>n</i> granular multilayers, <b>OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS</b> , vol 5, no. 3-4, 2011, pp. 235-241.	0.4	6	3.33

A.2.1.322.	L. CHIRILA, R. BUTNARU, I. SANDU, V. VASILACHE, <b>A.V. SANDU</b> , <i>Synthesis and Characterization of Some New Premetalated Dyes Based on Cu(II)</i> , <b>REVISTA DE CHIMIE</b> , , București, vol. 62, 3, 2011, pp. 265 – 271.	1.75 (2019)	5	17.50
A.2.1.323.	C. LUCHIAN, M. NICULAUA, V.V. COTEA, N. BILBA, V. COPCIA, <b>A.V. SANDU</b> , <i>Adsorption of Phenolic Compounds from Wine on Mesoporous MCM-41 Molecular Sieve</i> , <b>REVISTA DE CHIMIE</b> , București, vol. 62, 3, 2011, pp. 287 – 292.	1.75 (2019)	6	14.58
A.2.1.324.	E.A. PERIANU, I.A. GORODEA, F. GHEORGHIU, <b>A.V. SANDU</b> , A.C. IANULESCU, I. SANDU, A.R. IORDAN, M.N. PALAMARU, <i>Preparation of Dielectric Spectroscopy Characterization of A2MnMoO6 Double Perovskites</i> , <b>REVISTA DE CHIMIE</b> , București, vol. 62, 1, 2011, pp. 17 – 20.	1.75 (2019)	8	10.94
A.2.1.325.	I. SANDU, O. MIRCEA, <b>A.V. SANDU</b> , I. SARGHIE, I.G. SANDU, V. VASILACHE, <i>Non-invasive Techniques in the Analysis of Corrosion Crusts formed on Archaeological Metal Objects</i> , <b>REVISTA DE CHIMIE</b> , București (ISSN 0034 -7752), vol. 61, 11, (2010), pp. 1054 -1058.	1.75 (2019)	6	14.58
A.2.1.326.	C. BEJINARIU, <b>A.V. SANDU</b> , C. BACIU, I. SANDU, Șt.-L. TOMA, I.G. SANDU, <i>Sewage Treatment of Subproducts Resulted from Phosphatation of Iron Objects</i> , in <b>REVISTA DE CHIMIE</b> , București (ISSN 0034 -7752), vol. 61, 10, (2010), pp. 961 – 966.	1.75 (2019)	6	14.58
A.2.1.327.	I. SANDU, M. CHIRAZI, I.G. SANDU, G.I. OLTEANU, M. CANACHE, <b>A.V. SANDU</b> , V. VASILACHE, C. PASCU, <i>Researches on the NaCl saline aerosols. II. New Artificial Halochamber Characteristics</i> , in <b>ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL</b> , Iasi (ISSN 1582-9596), 9, 8, (2010), pp. 1105-1113.	0.9	8	5.63
A.2.1.328.	C. GHERASIMESCU, R. BUTNARU, I. SANDU, A.-C. CIOCAN, <b>A.V. SANDU</b> , <i>Research concerning the use of fireproof compounds for cotton textile treatment</i> , in <b>REVISTA DE CHIMIE</b> , București (ISSN 0034 -7752), vol. 61, 8, (2010), pp. 728-732.	1.75 (2019)	5	17.50
A.2.1.329.	I. SANDU, M. CHIRAZI, M. CANACHE, M.T. ALEXIANU, I.G. SANDU, <b>A.V. SANDU</b> , V. VASILACHE, <i>Researches on the NaCl saline aerosols.I. Natural and Artificial Production Sources and their Implications</i> , in <b>ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL</b> , Iasi (ISSN 1582-9596), 9, 6, (2010), pp. 881-888.	0.9	7	6.43
A.2.1.330.	S.I. TANASE, D. TANASE, P. PASCARIU, L. VLAD, <b>A.V. SANDU</b> , V. GEORGESCU, <i>Tunneling magnetoresistance in Co–Ni–N/Al granular thin films</i> , <b>MATERIALS SCIENCE AND ENGINEERING B</b> , 167 (2010), pp. 119–123.	4.6	6	38.33
A.2.1.331.	D. HUMELNICU, R.I. OLARIU, I. SANDU, I. HUMELNICU, <b>A.V. SANDU</b> , C. ARSENE, <i>Studies on chemical interferences on uranium (VI) and thorium (IV) reaction with (iso)polioxometalates</i> în <b>REVISTA DE CHIMIE</b> , București (ISSN 0034 -7752), vol. 60, 12, (2009), pp. 1264-1269.	1.75 (2019)	6	14.58
A.2.1.332.	A.R. IORDAN, M. AIRIMIOAIEI, M.N. PALAMARU, C. GALASSI, <b>A.V. SANDU</b> , C.E. CIOMAGA, F. PRIHOR, L. MITOSERIU, A. IANULESCU, <i>In situ preparation of CoFe<sub>2</sub>O<sub>4</sub> - Pb(ZrTi)O<sub>3</sub> composites by gel-combustion technique</i> , <b>JOURNAL OF THE EUROPEAN CERAMIC SOCIETY (Elsevier)</b> (ISSN 0955-2219), vol. 29, 13, (2009), p. 2807-2813. IF: 4.029	6,2	9	34.44
A.2.1.333.	I. SANDU, O. MIRCEA, I. SARGHIE, <b>A.V. SANDU</b> , <i>Study of Some Atypical Formations from the Bulk of the Iron Artefacts by Means of the Complementary Analytical Techniques</i> , în <b>REVISTA DE CHIMIE</b> , București (ISSN 0034 -7752), vol. 60, 10, (2009), p. 1012-1020.	1.75 (2019)	4	21.88
A.2.1.334.	O. MIRCEA, I. SARGHIE, I. SANDU, V. URSACHI, M. QUARANTA, <b>A.V. SANDU</b> , <i>The study of some atypical degradation processes of an iron archaeological piece</i> , în <b>REVISTA DE CHIMIE</b> , București (ISSN 0034 -7752), vol. 60, 4, (2009), p. 332-336.	1.75 (2019)	6	14.58
A.2.1.335.	O. MIRCEA, I. SARGHIE, I. SANDU, M. QUARANTA, <b>A.V. SANDU</b> , <i>The study of some textile impressions from the bulk of the iron artefacts by means of the complementary analytical techniques</i> , în <b>REVISTA DE CHIMIE</b> , București (ISSN 0034-7752), vol. 60, 2, (2009), p. 201-207.	1.75 (2019)	5	17.50
A.2.1.336.	D. HUMENICU, R.I. OLARIU, I. SANDU, N. APOSTOLERSCU, <b>A.V. SANDU</b> , C. ARSENE, <i>New heteropolyoxotungstates and heteropolyoxomolybdates containing radioactive ions (uranyl and thorium) in their structure</i> , în <b>REVISTA DE CHIMIE</b> , București (ISSN 0034-7752), vol. 59, 8 (2008), p. 920 – 925.	1.75 (2019)	6	14.58



A.2.1.337. S. STANCIU, L.G. BUJOREANU, B. OZKAL, M.L. OVECOGLU, <b>A.V. SANDU</b> , <i>Study of precipitate formation in Cu–Al–Ni–Mn–Fe shape memory alloys</i> , <b>JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS</b> , Bucharest, (ISSN 1454 - 4164), vol. 10, nr. 6, 2008, pp. 1365-1369.	0.5	5	5.00
A.2.1.338. I.G. SANDU, S., STOLERIU, I. SANDU, M. BREBU, <b>A.V. SANDU</b> , <i>Autentificarea monedelor antice din bronz prin studiul patinei arheologice. I. Compoziție și structură</i> , în <b>REVISTA DE CHIMIE</b> , București, (ISSN 0034-7752), vol. 56, nr. 10 (2005), p. 981-994.	1.75 (2019)	5	17.50
A.2.1.339. I. SANDU, C. PASCU, I.G. SANDU, G. CIOBANU, <b>A.V. SANDU</b> , O. CIOBANU, <i>Obținerea și caracterizarea dispersiilor nanocristaline de NaCl pentru medii trapeutic de tip salin. III. Evaluarea fiabilității aparatului SALIN</i> , <b>REVISTA DE CHIMIE</b> , București, (ISSN 0034-7752), vol.55, nr. 12 (2004), p. 975-982.	1.75 (2019)	6	14.58
A.2.1.340. I. SANDU, C. PASCU, I.G. SANDU, G. CIOBANU, <b>A.V. SANDU</b> , O. CIOBANU, <i>Obținerea și caracterizarea dispersiilor nanocristaline de NaCl pentru medii trapeutic de tip salin. II. Analiza in situ a aerosolilor din saline</i> , <b>REVISTA DE CHIMIE</b> , București, (ISSN 0034-7752), vol.55, nr. 10, (2004), p.791-797.	1.75 (2019)	6	14.58
A.2.1.341. G. CIOBANU, G. CARJA, O. CIOBANU, I. SANDU, <b>A. SANDU</b> , <i>SEM and EDX studies of bioactive hydroxyapatite coatings on titanium implants</i> , in <b>MICRON</b> , (ISSN 0968-4328), <b>40</b> , (1), (2009), p. 143-156.	2.2	5	22.00
<b>SUBTOTAL articole in jurnale indexate Web of Science / ISI cu factor de impact</b>			<b>5268.46</b>

<b>Articol publicat în revistă cotate ISI – Web of Science, FĂRĂ FACTOR DE IMPACT SAU PROCEEDING</b>			<b>(50*0.1)/ N<sub>autori</sub></b>
A.2.1.342. Azmi, A.A., Abdullah, M.M.A., Ghazali, C.M.R., Ahmad, R., Jaya, R.P., Abd Rahim, S.Z., Almadani, M.A., Wyslocki, J.J., Sliwa, A., Sandu, A.V., <i>Crumb rubber geopolymer mortar at elevated temperature exposure</i> , <b>ARCHIVES OF CIVIL ENGINEERING</b> 2022, 68, 3, 87-105. DOI10.24425/ace.2022.141875	P: 5/10 =		0.50
A.2.1.343. I. SANDU, G. DEAK, Y. DING, Y. IVASHKO, <b>A.V. SANDU</b> , M.A. MONCEA, I.G. SANDU, <i>New Materials For Finishing Of Ancient Monuments And Process Of Obtaining And Applying</i> , <b>INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE</b> , 12, 4, 2021, pp. 1249-1258. (indexat ISI – factor primit in 2023)	P: 5/7=		0.71
A.2.1.344. V.V. SAVINKIN, <b>A.V. SANDU</b> , T.Y. RATUSHNAYA, P. VIZUREANU, S.V. KOLISNICHENKO, M.S. OMAROV, <i>Study Of Redistribution Of The Oil Complex Power Drive Ffectiveness For Marginal Wells When Installing Construction Of Recuperative Action Electro Hydro Cylinder</i> , <b>BULLETIN OF THE TOMSK POLYTECHNIC UNIVERSITY-GEO ASSETS ENGINEERING</b> , <b>332</b> , <b>2</b> , <b>2021</b> , pp. 229-244, DOI 10.18799/24131830/2021/02/3058	P: 5/6 =		0.83
A.2.1.345. D.K. KOUASSI, I.K. KOUAME, K. KOFFI, A.G. DOUAGUI, <b>A.V. SANDU</b> , I. SANDU, <i>Assessment of the quality of quaternary groundwater under the influence of anthropogenic activities in the low-income neighbourhoods of the Treichville municipality (Abidjan, Cote d'Ivoire)</i> , <b>SN APPLIED SCIENCES</b> , 2, 10, 2020, 1716, DOI: 10.1007/s42452-020-03478-4.	P: 5/6 =		0.83
A.2.1.346. S.G. EBLIN, K.A. ANOH, A.B. YAO, N. SORO, V. NEDEFF, E. MOSNEGUTU, <b>A.V. SANDU</b> , <i>Mapping Groundwater Vulnerability to Pollution in the Region of Adiake, Southeast Coastal of Côte D'ivoire: A Comparative Study of three (3) Methods</i> , <b>INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE</b> , 10, 3, 2019, pp. 493-506. (Corresponding author) (indexat ISI ESCI – factor primit in 2023)	P: 5/7=		0.71
A.2.1.347. I.A. ZAKARYA, S.N.B. KHALIB, <b>A.V. SANDU</b> , <i>The Study of Different Aeration Rate Effect During Composting of Rice Straw Ash and Food Waste in Managing the Abundance of Rice Straw at Paddy Field</i> , <b>INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE</b> , 10, 2, 2019, pp. 335-342.	P: 5/3 =		1.67
A.2.1.348. R.M. SAID, F.H.M. JOHARI, M.A.A.M. SALLEH, <b>A.V. SANDU</b> , <i>The Effect of Copper Addition on the Properties of Sn-0.7Cu Solder Paste</i> , <b>IOP Conference Series-Materials Science and Engineering</b> , 318, 2018, (MUCET 2017), Article Number: UNSP 012062	P: 5/4 =		1.25
A.2.1.349. A.M. CAZAC, A. ALEXANDRU, C. BACIU, <b>A.V. SANDU</b> , C. BEJINARIU, <i>Influence of Nanostructuration on the Sound Velocity in Aluminum Al<sub>99.50</sub></i> , <b>IOP Conference Series-Materials Science and Engineering</b> , 374, 2018, (EUROINVENT ICIR 2018), Article Number: UNSP 012038	P: 5/5 =		1.00



A.2.1.350. M.G. MINCIUNA, D.C. ACHITEI, P. VIZUREANU, M. BENCHEA, <b>A.V. SANDU</b> , <i>The Effect of Heat Treatment and Corrosion Behavior of AISI420</i> , <b>IOP Conference Series-Materials Science and Engineering</b> , 374, 2018, (EUROINVENT ICIR 2018), Article Number: UNSP 012039	P: 5/5 =	1.00
A.2.1.351. M. NABIALEK, B. JEZ, K. JEZ, P. PIETRUSIEWICZ, K. GRUSZKA, K. BLOCH, J. GONDRO, J. RZACKI, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , M. SZOTA, <i>Magnetic Properties of Rapid Cooled FeCoB Based Alloys Produced by Injection Molding</i> , <b>IOP Conference Series-Materials Science and Engineering</b> , 374, 2018, (EUROINVENT ICIR 2018), Article Number: UNSP 012021	P: 5/11 =	0.45
A.2.1.352. V. PELIN, O. RUSU, M.M. CAZACU, S. GURLUI, <b>A.V. SANDU</b> , I. RADINSCHI, V. CIOCAN, I. SANDU, <i>Assessment of Hydrophobic Coating on Porous Calcareous Rocks Surface Exposed in Urban Ambient Air Pollution</i> , <b>IOP Conference Series-Materials Science and Engineering</b> , 374, 2018, (EUROINVENT ICIR 2018), Article Number: UNSP 012091	P: 5/8 =	0.62
A.2.1.353. A.M. TITU, <b>A.V. SANDU</b> , A.B. POP, S. TITU, T.C. CIUNGU, <i>The Taguchi Method Application to Improve the Quality of a Sustainable Process</i> , <b>IOP Conference Series-Materials Science and Engineering</b> , 374, 2018, (EUROINVENT ICIR 2018), Article Number: UNSP 012054	P: 5/4 =	1.25
A.2.1.354. N.H. ZAKARIA, N. MUHAMMAD, <b>A.V. SANDU</b> , M.M.A.B. ABDULLAH, <i>Effect of Mixing Temperature on Characteristics of Thermoplastic Potato Starch Film</i> , <b>IOP Conference Series-Materials Science and Engineering</b> , 374, 2018, (EUROINVENT ICIR 2018), Article Number: UNSP 012083.	P: 5/4 =	1.25
A.2.1.355. B. JEŽ, M. NABIALEK, P. PIETRUSIEWICZ, K. GRUSZKA, K. BŁOCH, J. RZĄCKI, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , M. SZOTA, K. JEŽ, J. GONDRO, A. SAŁAGACKI, <i>The Structure and Properties of Rapid Cooled Iron Based Alloy</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 209, 1, 2017, art no. 012023, (2017 International Conference on Innovative Research, ICIR 2017; Iasi; Romania).	P: 5/12 =	0.42
A.2.1.356. M.M.A.B. ABDULLAH, M.A. FARIS, M.F.M. TAHIR, A.A. KADIR, N.A.A. MAT ISA, O. CORBU, <b>A.V. SANDU</b> , <i>Performance and Characterization of Geopolymer Concrete Reinforced with Short Steel Fiber</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 209, 1, 2017, art no. 012038, (2017 International Conference on Innovative Research, ICIR 2017; Iasi; Romania).	P: 5/7=	0.71
A.2.1.357. D.C. ACHITEI, M.M.A.B. ABDULLAH, A.V. SANDU, A.C. TUGUI, M. BENCHEA, <i>Structural Modifications of Superficial Layer of C45 Steel Samples Through WT20 and WZr8 Depositions</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 209, 1, 2017, art no. 012053, (2017 International Conference on Innovative Research, ICIR 2017; Iasi; Romania).	P: 5/5 =	1.00
A.2.1.358. G. IOVAN, S. STOLERIU, S. SOLOMON, A. GHIORGHE, <b>A.V. SANDU</b> , S. ANDRIAN, <i>SEM Evaluation of Surrounding Enamel after Finishing of Composite Restorations– Preliminary Results</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 209, 1, 2017, art no. 012079, (2017 International Conference on Innovative Research, ICIR 2017; Iasi; Romania).	P: 5/6 =	0.83
A.2.1.359. N.H. JAMIL, W.M.A.W. IBRAHIM, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , M.F.M. TAHIR, <i>Fabrication of Porous Ceramic-Geopolymer Based Material to Improve Water Absorption and Retention in Construction Materials: A Review</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 209, 1, 2017, art no. 012004, (2017 International Conference on Innovative Research, ICIR 2017; Iasi; Romania).	P: 5/5=	1.00
A.2.1.360. N.H. JUN, M.M.A.B. ABDULLAH, T.S. JIN, A.A. KADIR, C.A. TUGUI, <b>A.V. SANDU</b> , <i>Use of Incineration Solid Waste Bottom Ash as Cement Mixture in Cement Production</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 209, 1, 2017, art no. 012082, (2017 International Conference on Innovative Research, ICIR 2017; Iasi; Romania).	P: 5/6 =	0.83
A.2.1.361. A.A. KADIR, N.A. SARANI, M.M.A.B. ABDULLAH, M.C. PERJU, <b>A.V. SANDU</b> , <i>Study on Fired Clay Bricks by Replacing Clay with Palm Oil Waste: Effects on Physical and Mechanical Properties</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 209, 1, 2017, art no. 012037, (2017 International Conference on Innovative Research, ICIR 2017; Iasi; Romania).	P: 5/5 =	1.00
A.2.1.362. P. LAZAR, C. BEJINARIU, <b>A.V. SANDU</b> , A.M. CAZAC, O. CORBU, M.C. PERJU, I.G. SANDU, <i>Corrosion Evaluation of Some Phosphated Thin Layers on Reinforcing Steel</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 209, 1, 2017, art no. 012025, (2017 International Conference on Innovative Research, ICIR 2017; Iasi; Romania).	P: 5/7=	0.71
A.2.1.363. V. PELIN, O. RUSU, I. SANDU, V. VASILACHE, S. GURLUI, <b>A.V. SANDU</b> , M.M. CAZACU, I.G. SANDU, <i>Approaching on Colorimetric Change of Porous Calcareous Rocks Exposed in Urban Environmental Conditions from Iasi – Romania</i> , <b>IOP Conference Series:</b>	P: 5/8 =	0.63

<b>Materials Science and Engineering</b> , 209, 1, 2017, art no. 012080, (2017 International Conference on Innovative Research, ICIR 2017; Iasi; Romania).		
A.2.1.364. N.A. JAYA, M.M.A. ABDULLAH, L.Y. LI, <b>A.V. SANDU</b> , K. HUSSIN, L.Y. MING, Durability of Metakaolin Geopolymers with Various Sodium Silicate/Sodium Hydroxide Ratios against Seawater Exposure, <b>AIP Conference Proceedings</b> , vol. 1887, 2017, UNSP 020063-1	P: 5/6 =	0.83
A.2.1.365. N.A. MOHD MORTAR, K. HUSSIN, R. ABDUL RAZAK, M.M.A.B. ABDULLAH, A.H. HILMI, <b>A.V. SANDU</b> , <i>Properties and Behavior of Geopolymer Concrete Subjected to Explosive Air Blast Loading: A Review</i> , <b>MATEC Web of Conferences</b> , vol 97, 2017, Article Number: UNSP 01019 (ENGINEERING TECHNOLOGY INTERNATIONAL CONFERENCE 2016 (ETIC 2016) Ho Chi Minh, Vietnam).	P: 5/6 =	0.83
A.2.1.366. L. MARDIAH DERAMAN, M.M.A.B. ABDULLAH, L. YUN MING, K. HUSSIN, W.M.W. IBRAHIM, <b>A.V. SANDU</b> , <i>The Effect of Different Ratio Bottom Ash and Fly Ash Geopolymer Brick on Mechanical Properties for Non-loading Application</i> , <b>MATEC Web of Conferences</b> , vol 97, 2017, Article Number: UNSP 01017 (ENGINEERING TECHNOLOGY INTERNATIONAL CONFERENCE 2016 (ETIC 2016) Ho Chi Minh, Vietnam).	P: 5/6 =	0.83
A.2.1.367. S.N. ZAILAN, N. MAHMED, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , N.F. SHAHEDAN, <i>Review on Characterization and Mechanical Performance of Self-cleaning Concrete</i> , <b>MATEC Web of Conferences</b> , vol 97, 2017, Article Number: UNSP 01022 (ENGINEERING TECHNOLOGY INTERNATIONAL CONFERENCE 2016 (ETIC 2016) Ho Chi Minh, Vietnam).	P: 5/5 =	1.00
A.2.1.368. D.C. ACHITEI, M.M. MINCIUNA, <b>A.V. SANDU</b> , M.M.A. ABDULLAH, <i>Behavior of Al-Mg Alloy Subjected To Thermal Processing</i> , <b>AIP Conference Proceedings</b> , vol. 1835, 2017, Article Number: UNSP 020051 (International Conference on Advanced Materials Engineering and Technology (ICAMET) Taiwan 2016)	P: 5/4 =	1.25
A.2.1.369. R. AHMAD, M.M.A. ABDULLAH, K. HUSSIN, A.V. SANDU, <i>XRD and FTIR study of the effect of Ultra High Molecular Weight Polyethylene (UHMWPE) as Binder on Kaolin Geopolymer Ceramics</i> , <b>AIP Conference Proceedings</b> , vol. 1835, 2017, Article Number: UNSP 020030 (International Conference on Advanced Materials Engineering and Technology (ICAMET) Taiwan 2016)	P: 5/4 =	1.25
A.2.1.370. M.I.I. RAMLI, M. A. A. MOHD SALLEH, M. M. A.B. ABDULLAH, R.M. SAID, <b>A.V. SANDU</b> , N. SAUD, <i>Microstructural and Phase Analysis of Sn-Cu-Ni-XSiC Composite Solder</i> , <b>AIP Conference Proceedings</b> , vol. 1835, 2017, Article Number: UNSP 020026 (International Conference on Advanced Materials Engineering and Technology (ICAMET) Taiwan 2016).	P: 5/6 =	0.83
A.2.1.371. R.M. SAID, M.A.A.M. SALLEH, M.I.I. RAMLI, N. SAUD, M.M.A.B., ABDULLAH, <b>A.V. SANDU</b> , <i>Microstructure and Mechanical Properties of Lead-free Sn-Cu-Ni Composite Solder Paste Reinforced with Silicon (Si) Particles</i> , <b>AIP Conference Proceedings</b> , vol. 1835, 2017, Article Number: UNSP 020029 (International Conference on Advanced Materials Engineering and Technology (ICAMET) Taiwan 2016).	P: 5/6 =	0.83
A.2.1.372. S.N. ZAILAN, N. MAHMED, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , <i>Self-cleaning geopolymer concrete - A review</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 133, 1, 2016, art no. 012026, (2016 International Conference on Innovative Research, ICIR 2016; Iasi; Romania).	P: 5/4 =	1.25
A.2.1.373. S.R. SAAD, N. MAHMED, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , <i>Self-Cleaning Technology in Fabric: A Review</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 133, 1, 2016, art no. 012028, (2016 International Conference on Innovative Research, ICIR 2016; Iasi; Romania).	P: 5/4 =	1.25
A.2.1.374. D.C. ACHITEI, M.G. MINCIUNA, P. VIZUREANU, <b>A.V. SANDU</b> , A.V., R. CIMPOEȘU, B. ISTRATE, Study on structure and properties of CuZn40Pb alloy, <b>IOP Conference Series: Materials Science and Engineering</b> , 133, 1, 2016, art no. 012015, (2016 International Conference on Innovative Research, ICIR 2016; Iasi; Romania).	P: 5/6 =	0.83
A.2.1.375. R. AHMAD, M.M.A.B. ABDULLAH, K. HUSSIN, <b>A.V. SANDU</b> , M. BINHUSSAIN, N.A. JAYA, Properties and Microstructural Characteristic of Kaolin Geopolymer Ceramics with Addition of Ultra High Molecular Weight Polyethylene, <b>IOP Conference Series: Materials Science and Engineering</b> , 133, 1, 2016, art no. 012023, (2016 International Conference on Innovative Research, ICIR 2016; Iasi; Romania).	P: 5/6 =	0.83
A.2.1.376. S. RAMASAMY, K. HUSSIN, M.M.A.B. ABDULLAH, C.M.R. GHAZALI, M. BINHUSSAIN, <b>A.V. SANDU</b> , Interrelationship of Kaolin, Alkaline Liquid Ratio and Strength of Kaolin Geopolymer, <b>IOP Conference Series: Materials Science and Engineering</b> , 133, 1, 2016, art no. 012004, (2016 International Conference on Innovative Research, ICIR 2016; Iasi; Romania).	P: 5/6 =	0.83
A.2.1.377. V. PELIN, I. SANDU, M. MUNTEANU, C.T. IURCOVSCI, S. GURLUI, <b>A.V. SANDU</b> , V. VASILACHE, M. BRANZILA, I.G.	P: 5/9 =	0.56

SANDU, Colour change evaluation on UV radiation exposure for Paun-Repedea calcareous geomaterial, <b>IOP Conference Series: Materials Science and Engineering</b> , 133, 1, 2016, art no. 012061, (2016 International Conference on Innovative Research, ICIR 2016; Iasi; Romania).		
A.2.1.378. A.A. AZMI, M.M.A. ABDULLAH, C.M.R. GHAZALI, <b>A.V. SANDU</b> , K. HUSSIN, <i>Effect Of Crumb Rubber On Compressive Strength Of Fly Ash Based Geopolymer Concrete</i> , <b>MATEC Web of Conferences</b> , 78, 2016, UNSP 01063 (2ND INTERNATIONAL CONFERENCE ON GREEN DESIGN AND MANUFACTURE 2016 (ICONGDM 2016)).	P: 5/5 =	1.00
A.2.1.379. D.C. ACHITEI, M.G. MINCIUNA, M.M.A. ABDULLAH, A.V. SANDU, M. SZOTA, P. VIZUREANU, Behavior of CuPb12Sn6 Alloys subjected to Heat Treatments, <b>MATEC Web of Conferences</b> , 78, 2016, UNSP 01082 (2ND INTERNATIONAL CONFERENCE ON GREEN DESIGN AND MANUFACTURE 2016 (ICONGDM 2016)).	P: 5/6 =	0.83
A.2.1.380. D.C. ACHITEI, A.M. MUSTAFA AL BAKRI, A.V. SANDU, P. VIZUREANU, A. ABDULLAH, <i>On the Fatigue of Shape Memory Alloys</i> , <b>KEY ENGINEERING MATERIALS</b> , Conference <b>ICAMET 2013</b> , 594 – 595, 2014, pp. 133-139.	P: 5/6 =	0.83
A.2.1.381. D.C. ACHITEI, P. VIZUREANU, A.A. MINEA, M.M.A. ABDULLAH, M.G. MINCIUNA, A.V. SANDU, <i>Improvement of Properties of Aluminum Bronze CuAl7Mn3 by Heat Treatments</i> , <b>APPLIED MECHANICS AND MATERIALS</b> , 657, 2014, Conference <b>IMANE 2014</b> , pp. 412-416.	P: 5/6 =	0.83
A.2.1.382. D.C. ACHITEI, A.V. SANDU, A.M. MUSTAFA AL BAKRI, P. VIZUREANU, A. ABDULLAH, <i>On the Structure of Shape Memory Alloys</i> , <b>KEY ENGINEERING MATERIALS</b> , Conference <b>ICAMET 2013</b> , 594 – 595, 2014, pp. 140-145.	P: 5/6 =	0.83
A.2.1.383. K. AZMI, M.N. DERMAN, A.M. MUSTAFA AL BAKRI, A.V. SANDU, <i>Cu-SiCp Composites as Advanced Electronic Packaging Materials</i> , <b>KEY ENGINEERING MATERIALS</b> , Conference <b>ICAMET 2013</b> , 594 – 595, 2014, pp. 852-856.	P: 5/5 =	1.00
A.2.1.384. K. AZMI, M.N. DERMAN, A.M.M. AL BAKRI, <b>A.V. SANDU</b> , <i>Thermal expansion behavior of the electroless copper coated Cu-SiCp composites fabricated via the conventional powder metallurgical technique</i> , <b>KEY ENGINEERING MATERIALS</b> , Conference <b>ICAMET 2013</b> , 594 – 595, 2014, pp. 857-861.	P: 5/4 =	1.25
A.2.1.385. M.M.A.B., ABDULLAH, N. NORDIN, M.F.M. TAHIR, A.A. KADIR, <b>A.V. SANDU</b> , <i>Potential of Sludge Waste Utilization as Construction Materials via Geopolymerization</i> , <b>INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE</b> , 7, 3, 2016, p. 753-758. (indexat ISI – factor primit in 2023)	P: 5/5 =	1.00
A.2.1.386. K.L. ADOPO, M.Y. N'GUESSAN, <b>A.V. SANDU</b> , G. ROMANESCU, I.G. SANDU, <i>The Spatial Distribution and Characterization of Sediments and the Bottom Morphology of the Hydroelectric Lake in Ayame 2 (Ivory Coast)</i> , <b>INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE</b> , 7, 2, 2016, p. 567-578 (indexat ISI – factor primit in 2023)	P: 5/5 =	1.00
A.2.1.387. N. NORDIN, M.M.A. ABDULLAH, M.F.M. TAHIR, <b>A.V. SANDU</b> , K. HUSSIN, <i>Utilization of Fly Ash Waste as Construction Material</i> , <b>INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE</b> , 7, 1, 2016, 161-166. (indexat ISI – factor primit in 2023)	P: 5/5 =	1.00
A.2.1.388. G. ROMANESCU, C. ZAHARIA, <b>A.V. SANDU</b> , D.T. JURAVLE, <i>The annual and multi-annual variation of the minimum discharge in the miletin catchment (romania). an important issue of water conservation</i> , <b>INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE</b> , 6, 4, 2015, pp. 729-746. (indexat ISI – factor primit in 2023)	P: 5/4 =	1.25
<b>SUBTOTAL articole in jurnale indexate ISI fara factor sau PROCEEDING</b>		<b>43.22</b>

<b>A2.2 Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale (50 x 0,08/nr. de autori)</b>		<b>48.07</b>
A2.2.1.D.P. Burduhos-Nergis, <b>A.V. Sandu</b> , D.D. Burduhos-Nergis, N. Cimpoesu, M. Benchea, M. Popa, C. Bejinariu, <i>Tribological Characterization of Phosphate Coatings Deposited on Ti6Al4V</i> , <i>Selected Papers from ICIR EUROINVENT – 2023 (International Conference on Innovative Research)</i> , <b>Springer Proceedings in Materials</b> (SPM, volume 38), 2023, Pages 9-21	P: 4/7 =	0.57
A2.2.2.D.D. Burduhos-Nergis, P. Vizureanu, <b>A.V. Sandu</b> , B. Istrate, <i>XRD and TG-DTA Analysis of Fly Ash Based Geopolymer Composite Reinforced with Recycled Glass Fibers</i> , <i>Selected Papers from ICIR EUROINVENT – 2023 (International Conference on Innovative Research)</i> , <b>Springer Proceedings in Materials</b> (SPM, volume 38), 2023, Pages 31-44	P: 4/4 =	1.00
A2.2.3.P. Vizureanu, D.D. Burduhos-Nergis, <b>A.V. Sandu</b> , D.C. Achitei, D.P. Burduhos-Nergis, M.S. Baltatu, M.C. Perju, <i>Mechanical</i>	P: 4/7 =	0.57

Performance of Coal Ash - Mine Tailings Blended Geopolymer Designed by Taguchi Method, <i>Selected Papers from ICIR EUROINVENT – 2023 (International Conference on Innovative Research)</i> , <b>Springer Proceedings in Materials</b> (SPM, volume 38), 2023, Pages 170-183		
A2.2.4.N.B. Mustapa, R. Ahmad, M.M.A.B. Abdullah, W.M.W. Ibrahim, <b>A.V. Sandu</b> , C.W. Kartikowati, P. Risdanareni, W.H.W. Mohamed Saimi, Densification Behavior and Mechanical Performance of Nepheline Geopolymer Ceramics: Preliminary Study, <i>Selected Papers from ICIR EUROINVENT – 2023 (International Conference on Innovative Research)</i> , <b>Springer Proceedings in Materials</b> (SPM, volume 38), 2023, Pages 184-192	P: 4/8 =	0.50
A2.2.5.D.P. Burduhos-Nergis, <b>A.V. Sandu</b> , D.D. Burduhos-Nergis, C. Nejneru, P. Vizureanu, C. Bejinariu, Phosphate Conversion Coatings for Biomaterials: A Bibliometric Analysis, <i>Selected Papers from ICIR EUROINVENT – 2023 (International Conference on Innovative Research)</i> , <b>Springer Proceedings in Materials</b> (SPM, volume 38), 2023, Pages 203-214	P: 4/6 =	0.67
A2.2.6.A.A. Amirul, M. Noorhafiza, M.M. A. Albakri, M.F. Ghazali, S.Z.A. Rahim, M.S. Saleh, A.V. Sandu, Printing parameter optimization of stent length accuracy by using response surface methodology (RSM), <b>AIP Conference Proceedings</b> (GREEN DESIGN AND MANUFACTURE 2020 - Malaysia), vol. 2339, 2021, art. 020242.	P: 4/7 =	0.57
A2.2.7.L. Jamaludin, R.A. Razak, M.M.A. Abdullah, A. Kusbiantoro, Z. Yahya, A. Abdullah, A.V. Sandu, Geopolymer coating paste on concrete for photocatalytic performance, <b>AIP Conference Proceedings</b> (GREEN DESIGN AND MANUFACTURE 2020 - Malaysia), vol. 2339, 2021, art. 020187. 10.1063/5.0044215	P: 4/7 =	0.57
A2.2.8.P. Lazar, C. Bejinariu, A.M. Cazac, A.V. Sandu, M.A. Bernevig, D.P. Burduhos-Nergis, Phosphate coatings for the protection of steels reinforcement for concrete, <b>Journal of Physics: Conference Series</b> , 1960, Article number 0120132021 (ICIR Euroinvent 2021)	P: 4/6 =	0.67
A2.2.9.M.C. PERJU, C. NEJNERU, P. VIZUREANU, D.D. BURDUHOS NERGIS, <b>A.V. SANDU</b> , <i>Microstructural Analysis of Multiple Layer Depositions on Cast Iron Using the Electrospark Deposition Method</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 877, 1, 2020, 012019 (ICIR EUROINVENT 2020, Iasi, Romania).	P: 4/5 =	0.80
A2.2.10. R. AHMAD, M.M.A.B. ABDULLAH, W.N.W. IBRAHIM, <b>A.V. SANDU</b> , P. VIZUREANU, M.S. TENGAH, <i>Comparison Study on Microstructure Properties of Kaolin Based Geopolymer Ceramics with Addition of UHMWPE under Different Sintering Condition</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 877, 1, 2020, 012015 (ICIR EUROINVENT 2020, Iasi, Romania).	P: 4/6 =	0.67
A2.2.11. I. HAKEM AZIZ, M. MUSTAFA AL BAKRI ABDULLAH, M. ARIF ANUAR MOHD SALLEH, <b>A.V. SANDU</b> , <i>The Incorporation of Sodium Hydroxide (NaOH) Concentration and CaO-Si Components on Ground Granulated Blast Furnace Slag Geopolymers</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 877, 1, 2020, 012005 (ICIR EUROINVENT 2020, Iasi, Romania).	P: 4/4 =	1.00
A2.2.12. N. ZULKIFLI, M.M.A. BAKRI ABDULLAH, M.A.A. MOHD SALLEH, R. AHMAD, <b>A.V. SANDU</b> , N.A. MOHD MORTAR, Development of Geopolymer Ceramic as a Potential Reinforcing Material in Solder Alloy: Short review, <b>IOP Conference Series: Materials Science and Engineering</b> , 743, 1, 2020, 012023, (FEM 2019, Lodz, Poland).	P: 4/6 =	0.67
A2.2.13. R. AHMAD, W.M. WAN IBRAHIM, M.M.A. BAKRI ABDULLAH, <b>A.V. SANDU</b> , N.A. MOHD MORTAR, N. HASHIM, W.W. AHMAD ZAILANI, <i>Synthesis and Characterization of Fly ash based Geopolymer Ceramics: Effect of NaOH Concentration</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 743, 1, 2020, 012014, (FEM 2019, Lodz, Poland).	P: 4/7 =	0.57
A2.2.14. N. YONG-SING, L. YUN-MING, M.M.A. BAKRI ABDULLAH, N. HUI-TENG, K. HUSSIN, H.C. YONG, N.A. MOHD MORTAR, <b>A.V. SANDU</b> , <i>Effect of Solid-to-Liquid Ratio on Thin Fly Ash Geopolymer</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 743, 1, 2020, 012006, (FEM 2019, Lodz, Poland).	P: 4/8 =	0.50
A2.2.15. R. AHMAD, M. MUSTAFA AL BAKRI ABDULLAH, W. MASTURA WAN IBRAHIM, <b>A.V. SANDU</b> , W. WAZIEN AHMAD ZAILANI, S. NIZAM SHAHRUN NAHAR, <i>Influence of Solid-To-Liquid Ratio on Properties of Fly Ash Geopolymer Ceramics</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 551, 1, 2020, 012083, (IConGETech 2019 & ICAC 2019, Bangkok, Thailand).	P: 4/6 =	0.67



A2.2.16.	K. ZULKIFLY, H. CHENG YONG, M. MUSTAFA AL BAKRI ABDULLAH, L. YUN MING, <b>A.V. SANDU</b> , S. FATIMAH AZZAHARAN ABDULLAH, <i>Characterization of Fly Ash and Metakaolin Blend Geopolymers under Ambient Temperature Condition</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 551, 1, 2020, 012086, (IConGETech 2019 & ICAC 2019, Bangkok, Thailand).	P: 4/6 =	0.67
A2.2.17.	A. SYAUQI SAUFFI, W. MASTURA WAN IBRAHIM, M. MUSTAFA AL BAKRI ABDULLA, R. AHMAD, F. AHMAD ZAIDI, <b>A.V. SANDU</b> , SUBAER, <i>A Review of Carbonate Minerals as an Additive to Geopolymer Materials</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 551, 1, 2020, 012084, (IConGETech 2019 & ICAC 2019, Bangkok, Thailand).	P: 4/7 =	0.57
A2.2.18.	D.P. Burduhos-Nergis, A.V. Sandu, D.D. Burduhos-Nergis, D.C. Darabont, R.I. Comaneci, C. Bejinariu, <i>Shock Resistance Improvement of Carbon Steel Carabiners Used at PPE</i> , <b>MATEC Web of Conferences</b> , 290, 2019, Article number 12004, (MSE 2019)	P: 4/6 =	0.67
A2.2.19.	N. Nordin, M.M.A. Abdullah, W.M.N.R.W. Fakri, M.F.M. Tahir, A.V. Sandu, K. Hussin, W.W.A. Zailani, <i>Exploration on Fly Ash Waste as Global Construction Materials for Dynamics Marketability</i> , <b>AIP Conference Proceedings</b> , Volume 2129, 2019, Article Number 020143, DOI10.1063/1.5118151	P: 4/7 =	0.57
A2.2.20.	C. ARVINTE, <b>A.V. SANDU</b> , D.D. BURDUHOS-NERGIS, M.A. BERNEVIG SAVA, C. BEJINARIU, <i>Technical requirements and materials used in firefighters gloves manufacturing</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 572, 1, 2019, 012070 (ICIR EUROINVENT 2019, Iasi, Romania)	P: 4/5 =	0.80
A2.2.21.	N.A. KARIM, C.M.R. GHAZALI, M.M. RAMLI, <b>A.V. SANDU</b> , E. CHIRILA, M.M.A. ABDULLAH, <i>Optimization of processing parameters for graphitization of oil palm trunk waste at lower heating temperature</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 572, 1, 2019, 012060 (ICIR EUROINVENT 2019, Iasi, Romania).	P: 4/6 =	0.67
A2.2.22.	V. GEANTĂ, I. VOICULESCU, R. STEFANOIU, M. CODESCU, H. KELEMEN, G. PAVEL, A. VLADDESCU, <b>A.V. SANDU</b> , <i>Obtaining and characterisation of high entropy alloys used for medical applications</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 572, 1, 2019, 012023 (ICIR EUROINVENT 2019, Iasi, Romania).	P: 4/8 =	0.50
A2.2.23.	M. NABIALEK, B. JEZ, K. JEZ, P. PIETRUSIEWICZ, K. BLOCH, J. GONDRO, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , <i>Process of magnetizing bulk amorphous alloys Fe<sub>43</sub>+xCo<sub>29</sub>-xY<sub>8</sub>B<sub>20</sub> (x=0 or 5)</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 572, 1, 2019, 012018 (ICIR EUROINVENT 2019, Iasi, Romania).	P: 4/8 =	0.50
A2.2.24.	M.F.A. HASHIM, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , A. PUSKAS, Y.M. DAUD, F.F.ZAINAL, M.A. FARIS, HASRI, HARTATI, <i>Advanced glass reinforced epoxy filled fly ash based geopolymer filler: Preparation and characterization on piping materials</i> , <b>IOP Conference Series: Materials Science and Engineering</b> , 572, 1, 2019, 012037 (ICIR EUROINVENT 2019, Iasi, Romania).	P: 4/9 =	0.44
A2.2.25.	N. Nordin, M.M.A.B. Abdullah, W.M.N.R.W. Fakri, M.F.M. Tahir, <b>A.V. Sandu</b> , K. Hussin, W.W.A. Zailani, <i>Exploration on fly ash waste as global construction materials for dynamics marketability</i> , <b>AIP Conference Proceedings</b> , 2129, 2019, 020143 (IConGDM 2019, Jawa Barat, Indonesia)	P: 4/7 =	0.57
A2.2.26.	R.M. SAID, M.A.A. MOHD SALLEH, N. SAUD, M.I.I. RAMLI, <b>A.V. SANDU</b> , <i>Solidification behavior of Sn Cu based peritectic alloys: A short review</i> , <b>SOLID STATE PHENOMENA</b> , 273 SSP, 2018, pp. 34-39	P: 4/5 =	0.80
A2.2.27.	N.A. JAYA, M.M.A.B. ABDULLAH, L.Y. LI, <b>A.V. SANDU</b> , K. HUSSIN, L.Y. MING, <i>Durability of metakaolin geopolymers with various sodium silicate/sodium hydroxide ratios against seawater exposure</i> , <b>AIP Conference Proceedings</b> , 1887, 2017, art. 020063	P: 4/6 =	0.67
A2.2.28.	D.C. ACHITEI, P. VIZUREANU, M.G. MINCIUNĂ, M.A.B.A. MOHD, <b>A.V. SANDU</b> , <i>Thermal Processing of a Titanium Alloy for Aeronautical Applications</i> , <b>MATERIALS SCIENCE FORUM</b> , Vol. 907, 2017, pp. 214-219;	P: 4/5 =	0.80
A2.2.29.	S.C. FOCSĂNEANU, P. VIZUREANU, <b>A.V. SANDU</b> , M.S. BĂLTATU, <i>Zirconia dental implant materials</i> , <b>MATERIALS SCIENCE FORUM</b> , Vol. 907, 2017, pp. 99-103;	P: 4/4 =	1.00
A2.2.30.	D.C. ACHITEI, P. VIZUREANU, M.G. MINCIUNA, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , <i>The analysis of metallic materials</i>	P: 4/5 =	0.80

subjected to cycles of thermal and mechanical fatigue, <b>KEY ENGINEERING MATERIALS</b> , vol. 700, 2016, pp. 78-85			
A2.2.31.	M.G. MINCIUNA, P. VIZUREANU, D.C. ACHITEI, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , Structural analysis of CoCrMoSi6 alloy used in medical applications, <b>KEY ENGINEERING MATERIALS</b> , vol. 700, 2016, pp. 86-92.	P: 4/5 =	0.80
A2.2.32.	A.A. AZMI, M.M.A.B. ABDULLAH, C.M.R. GHAZALI, <b>A.V. SANDU</b> , K. HUSSIN, D.A. SUMARTO, A review on fly ash based geopolymer rubberized concrete, <b>KEY ENGINEERING MATERIALS</b> , vol. 700, 2016, pp. 183-196.	P: 4/6 =	0.67
A2.2.33.	R. AHMAD, M. M. AL BAKRI ABDULLAH, K. HUSSIN, <b>A.V. SANDU</b> , M. BINHUSAIN, N. A. JAYA, "Effect of Ultra High Molecular Weight Polyethylene (UHMWPE) as Binder and Sintering Temperature in Kaolin Geopolymer Ceramics on Flexural Strength", <b>MATERIALS SCIENCE FORUM</b> , Vol. 857, 2016, pp. 412-415.	P: 4/6 =	0.67
A2.2.34.	S. RAMASAMY, K. HUSSIN, M.M.A.B. ABDULLAH, C.M.R. GHAZALI, <b>A.V. SANDU</b> , M. BINHUSAIN, Optical data support on flexural strength of kaolin coated lumber wood via geopolymer technology, <b>MATERIALS SCIENCE FORUM</b> , Vol. 857, 2016, pp. 431-436.	P: 4/6 =	0.67
A2.2.35.	S. RAMASAMY, K. HUSSIN, M.M.A.B. ABDULLAH, C.M.R. GHAZALI, <b>A.V. SANDU</b> , M. BINHUSAIN, Correlation between mix design study and flexural strength of kaolin coated lumber wood via geopolymer technology, <b>MATERIALS SCIENCE FORUM</b> , Vol. 841, 2016, pp. 34-39.	P: 4/6 =	0.67
A2.2.36.	S. RAMASAMY, K. HUSSIN, M.M.A.B. ABDULLAH, C.M.R. GHAZALI, <b>A.V. SANDU</b> , M. BINHUSAIN, N.F. SHAHEDAN, Adhesiveness of kaolin based coating material on lumber wood, <b>KEY ENGINEERING MATERIALS</b> , vol. 673, 2016, pp. 47-54.	P: 4/7 =	0.57
A2.2.37.	R. AHMAD, M.M.A.B. ABDULLAH, K. HUSSIN, <b>A.V. SANDU</b> , M. BINHUSAIN, M.I. AHMAD, N. A. JAYA, <i>The Effect of Solid-To-Liquid Ratio and Temperature on Mechanical Properties of Kaolin Geopolymer Ceramics</i> , <b>KEY ENGINEERING MATERIALS</b> , Vol 660, 2015, pp 23-27	P: 4/7 =	0.57
A2.2.38.	F.F. ZAINAL, K. HUSSIN, A. RAHMAT, M.M.A.B. ABDULLAH, S. RIZAM, M.T. SELIMIN, A.V. SANDU, <i>The Electrical Resistivity of Geopolymer Paste by using Wenner Four Probe Method</i> , <b>KEY ENGINEERING MATERIALS</b> , Vol 660, 2015, pp 28-33	P: 4/7 =	0.57
A2.2.39.	N. MAHMED, M.M.A.B. ABDULLAH, A.V. SANDU, P. VIZUREANU, S.P. HANNULA, <i>Synthesis of Nanosized Silica and Silver-doped Silica Nanoparticles for Heat Transfer Fluids Applications</i> , <b>KEY ENGINEERING MATERIALS</b> , Vol 660, 2015, pp 155-160.	P: 4/5 =	0.80
A2.2.40.	S. STOLERIU, S. ANDRIAN, G. PANCU, I. NICA, A.V. SANDU, G. IOVAN, <i>Study Regarding the Influence of Different Antiseptic Mouthwashes on Surface Roughness of Traditional Glass Ionomer Cements</i> , <b>KEY ENGINEERING MATERIALS</b> , Vol 660, 2015, pp 165-169.	P: 4/6 =	0.67
A2.2.41.	P. LAZĂR, C. BEJINARIU, A.V. SANDU, A.M. CAZAC, I.G. SANDU, <i>Chemical Deposition of Thin Layers on Reinforcing Steel</i> , <b>KEY ENGINEERING MATERIALS</b> , Vol 660, 2015, pp 213-218.	P: 4/5 =	0.80
A2.2.42.	O. CORBU, A.M. IOANI, M.M.A.B. ABDULLAH, V. MEIȚĂ, H. SZILAGYI, A.V. SANDU, <i>The pozzolanic activity level of powder waste glass in comparisons with other powders</i> , <b>KEY ENGINEERING MATERIALS</b> , Vol 660, 2015, pp 237-243.	P: 4/6 =	0.67
A2.2.43.	Z. YAHYA, K. HUSSIN, M.M.A.B. ABDULLAH, K.N. ISMAIL, R.A. RAZAK, <b>A.V. SANDU</b> , <i>The Influence of NaOH Concentration on Molar Ratios of Palm Oil Boiler Ash based Geopolymer</i> , <b>APPLIED MECHANICS AND MATERIALS</b> , Vols. 754-755, 2015, pp 245-250	P: 4/6 =	0.67
A2.2.44.	S. STOLERIU, G. IOVAN, M.C. PERJU, <b>A.V. SANDU</b> , S. ANDRIAN, <i>Study regarding the influence of polymerization mode of light unit on surface microhardness of composite resins</i> , <b>APPLIED MECHANICS AND MATERIALS</b> , Vols. 754-755, 2015, pp. 271-275.	P: 4/5 =	0.80
A2.2.45.	C. BEJINARIU, P. LAZĂR, A.V. SANDU, A.M. CAZAC, I.G. SANDU, O. CORBU, <i>Enhancing properties of reinforcing steel by chemical phosphatation</i> , <b>APPLIED MECHANICS AND MATERIALS</b> , Vols. 754-755, 2015, pp. 310-314.	P: 4/6 =	0.67

A2.2.46.	O. CORBU, A. PUSKÁS, <b>A.V. SANDU</b> , A. IOANI, K. HUSSIN, I.G. SANDU, <i>New Concrete with Recycled Aggregates from Leftover Concrete</i> , <b>APPLIED MECHANICS AND MATERIALS</b> , Vols. 754-755, 2015, pp. 389-394.	P: 4/6 =	0.67
A2.2.47.	I. HUȚANU, L. NICA, I. SANDU, V. VASILACHE, A.V. SANDU, <i>Acrylic Binder Used for the Consolidation of Gilded Surfaces</i> , <b>APPLIED MECHANICS AND MATERIALS</b> , Vols. 754-755, 2015, pp. 624-628.	P: 4/5 =	0.80
A2.2.48.	M. MUNTEANU, I. SANDU, V. VASILACHE, <b>A.V. SANDU</b> , M.M.A.B. ABDULLAH, I.C.A. SANDU, <i>Study of a XVIII-th century triptych: materials and technologies used and conservation state</i> , <b>APPLIED MECHANICS AND MATERIALS</b> , Vols. 754-755, 2015, pp. 644-648.	P: 4/6 =	0.67
A2.2.49.	N. FIFINATASHA, M.M.A.B. ABDULLAH, C.M.R. GHAZALI, K. HUSSIN, M. BINHUSSAIN, <b>A.V. SANDU</b> , <i>Comparison Characterization of Geopolymer Source Materials for Coating Application</i> , <b>APPLIED MECHANICS AND MATERIALS</b> , Vols. 754-755, 2015, pp. 664-670.	P: 4/6 =	0.67
A2.2.50.	R AHMAD, M.M.A.B. ABDULLAH, K. HUSSIN, <b>A.V. SANDU</b> , M. BINHUSSAIN, N.A. JAYA, <i>Fabrication of High Performance Geopolymer Ceramic Part I. Microstructural properties</i> , <b>APPLIED MECHANICS AND MATERIALS</b> , Vols. 754-755, 2015, pp. 698-702.	P: 4/6 =	0.67
A2.2.51.	R.A. CRISTACHE, A.V. SANDU, V. VASILACHE, I. SANDU, <i>Thermal Degradation of a Wood Painting Support From XIXth Century</i> , <b>APPLIED MECHANICS AND MATERIALS</b> , Vols. 754-755, 2015, pp. 703-707.	P: 4/4 =	1.00
A2.2.52.	A.M. BUDU, R. CRISTACHE, <b>A.V. SANDU</b> , V. VASILACHE, M.M.A.B. ABDULLAH, Ion SANDU, <i>Study of Coloured Lakes Used for the Covering of Silver Leaf in Ecclesial Art of the First Half of 19th Century</i> , <b>APPLIED MECHANICS AND MATERIALS</b> , Vols. 754-755, 2015, pp. 714-718.	P: 4/6 =	0.67
A2.2.53.	C. BEJINARIU, A.M. CAZAC, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , P. LAZAR, <i>Experimental Determination of Stress and Deformation Pressure in Nanostructuring Copper by Multiaxial Forging Method</i> , <b>APPLIED MECHANICS AND MATERIALS</b> , Vols. 754-755, 2015, pp. 784-788.	P: 4/5 =	0.80
A2.2.54.	A. PUSKÁS, O. CORBU, <b>A.V. SANDU</b> , M.M.A.B. ABDULLAH, <i>Cementitious Composites Using Recycled Waste</i> , <b>APPLIED MECHANICS AND MATERIALS</b> , Vols. 754-755, 2015, pp. 833-837.	P: 4/4 =	1.00
A2.2.55.	I.S. GEORGESCU, S.I. URSACHE, E.R. BACIU, D. HRIȚCU, <b>A.V. SANDU</b> , C. BACIU, <i>The Influence of Spraying Distance on the Chemical Composition of Arc Sprayed Layers</i> , <b>APPLIED MECHANICS AND MATERIALS</b> , Vols. 754-755, 2015, pp. 865-868.	P: 4/6 =	0.67
A2.2.56.	P. VIZUREANU, M.G. MINCIUNĂ, D.C. ACHIȚEI, <b>A.V. SANDU</b> , K. HUSSIN, <i>Mechanical Behaviour of CoCrMo Alloy with Si Content</i> , <b>APPLIED MECHANICS AND MATERIALS</b> , Vols. 754-755, 2015, pp. 1141-1145.	P: 4/5 =	0.80
A2.2.57.	D.S.C. HALIN, K.R. AHMAD, K. HUSSIN, I.A. TALIB, A.R. DAUD, M.A.A. HAMID, <b>A.V. SANDU</b> , <i>Characterization of Cuprous Oxide Thin Films Prepared by Sol-Gel Spin Coating Technique with Different Additives</i> , <b>APPLIED MECHANICS AND MATERIALS</b> , Vols. 754-755, 2015, pp. 1017-1022.	P: 4/7 =	0.57
A2.2.58.	D.C. ACHIȚEI, <b>A.V. SANDU</b> , M.M.A. BAKRI ABDULLAH, P. VIZUREANU, H. KAMARUDIN, <i>Study on Quenching and Artificial Ageing on Al-Si Alloy</i> , <b>MATERIALS SCIENCE FORUM</b> , Vol. 803, 2015, pp 209-215.	P: 4/5 =	0.80
A2.2.59.	A.M. CAZAC, M.M.A. BAKRI ABDULLAH, C. PREDESCU, <b>A.V. SANDU</b> , C. BEJINARIU, <i>The Experimental Determination of the Friction Stress Between the Semi-Product and the Active Plate at the Multiaxial Forging of Copper</i> , <b>MATERIALS SCIENCE FORUM</b> , Vol. 803, 2015, pp 216-221.	P: 4/5 =	0.80
A2.2.60.	M.M.A. BAKRI ABDULLAH, Z. YAHYA, M.F.M. TAHIR, K. HUSSIN, M. BINHUSSAIN, <b>A.V. SANDU</b> , <i>Fly ash based lightweight geopolymer concrete using foaming agent technology</i> , <b>APPLIED MECHANICS AND MATERIALS</b> , 679, 2014, pp. 20-24.	P: 4/6 =	0.67
A2.2.61.	A.B. AZEEZ, K.S. MOHAMMED, M.M.A. BAKRI ABDULLAH, <b>A.V. SANDU</b> , A. RAHMAT, K. HUSSIN, L. JAMALUDIN,	P: 4/7 =	0.57

Replacement of Lead by Green Tungsten-brass Composites as a Radiation Shielding Material, <b>APPLIED MECHANICS AND MATERIALS</b> , 679, 2014, pp. 39-44.			
A2.2.62.	N. CIORNEI, S. FERARU, I. BULIMESCU, <b>A.V. SANDU</b> , C. MITA, <i>Influence of type of precursors on the sol-gel synthesis of the LaCoO3 nanoparticles</i> , <b>ACTA CHEMICA IASI</b> , 22, Issue 1, 2014, pp. 1–12.	P: 4/5 =	0.80
A2.2.63.	A.A. KADIR, M.M. AL BAKRI ABDULLAH, <b>A.V. SANDU</b> , A.L.A. LATIF, K. HUSSIN, <i>Usage of palm shell activated carbon to treat landfill leachate</i> , <b>INTERNATIONAL JOURNAL of CONSERVATION SCIENCE</b> (Print ISSN 2067-533X, Online 2067-8223), 5, 1, (2014), p. 117-126;	P: 4/5 =	0.80
A2.2.64.	V. VASILACHE, I. SANDU, O. MIRCEA, <b>A.V. SANDU</b> , Study on the conservation state of a gilded silver coin from XVth century, discovered in Romania, <b>INTERNATIONAL JOURNAL of CONSERVATION SCIENCE</b> (Print ISSN 2067-533X, Online 2067-8223), 4, (SPL.ISS.), (2013), p. 710-714;	P: 4/4 =	1.00
A2.2.65.	O. MIRCEA, I. SANDU, V. VASILACHE, <b>A.V. SANDU</b> , Applications of Optical Microscopy and Energy-Dispersive X-ray Spectroscopy in the Study of a Pendant from the IIND -IIIRD Century AC, <b>INTERNATIONAL JOURNAL of CONSERVATION SCIENCE</b> (Print ISSN 2067-533X, Online 2067-8223), 4, (SPL.ISS.), (2013), p. 701-709;	P: 4/4 =	1.00
A2.2.66.	A. M. MUSTAFA AL BAKRI, M. T. MUHAMMAD FAHEEM, <b>A.V. SANDU</b> , A. ALIDA, M.A.A. SALLEH, C. M. RUZAIDI, <i>Microstructure Studies on Different Types of Geopolymer Materials</i> , <b>APPLIED MECHANICS AND MATERIALS</b> , 421, 2013, pp. 384-389.	P: 4/6 =	0.67
A2.2.67.	I. SANDU, V. COTIUGA, <b>A.V. SANDU</b> , A.C. CIOCAN, G.I. OLTEANU, V. VASILACHE, <i>New Archaeometric Characteristics for Ancient Pottery Identification</i> , <b>INTERNATIONAL JOURNAL of CONSERVATION SCIENCE</b> (Print ISSN 2067-533X, Online 2067-8223), Al.I.Cuza University of Iasi, 1, 2, (2010), p. 75-82;	P: 4/6 =	0.67
A2.2.68.	O. MIRCEA , I. SANDU, I.SARGHIE, <b>A.V. SANDU</b> , The Identified Effects of Degradation in Archaeological Artifacts with Overlapped Metals Used in Authentication, <b>INTERNATIONAL JOURNAL of CONSERVATION SCIENCE</b> (Print ISSN 2067-533X, Online 2067-8223), Al.I.Cuza University of Iasi, 1, 1, (2010), p. 27-40;	P: 4/4 =	1.00



<b>A2.3 Brevete de invenție</b>	calcul punctaj	<b>209.65</b>
A2.3.1 Internaționale		
A2.3.2 <b>Naționale</b> (15 puncte pentru cele neindexate Derwent, 25 pentru cele indexate Derwent WoS)	15 - 25/n.a.	<b>209.65</b>
B.1. BURDUHOS NERGIȘ Dumitru Doru, VIZUREANU Petrică, CORBU Ofelia-Cornelia, ABDULLAH Mohd Mustafa Al Bakri, <b>SANDU Victor-Andrei</b> , Ecological geopolymer based on power-plant ash and glass powder from recycled wastes, for applications in the field of constructions, and process for preparing the same, Patent application <b>RO134321</b> .	25/5	5
B.2. GEANTĂ V., VOICULESCU I., ȘTEFĂNOIU R., BINCHICIU H., VIZUERANU P., KELEMEN H., CODESCU M.M., SANDU A.V., BĂLȚATU M.S., MARINESCU V., High-entropy alloy in FeMoTaTiZr metallurgical system for surgical medical applications and manufacturing technology, Patent RO134978B/28.02.2025.	25/10	2.5
B.3. VOICULESCU I., GEANTĂ V., ȘTEFĂNOIU R., KELEMEN H., VIZUREANU P., CODESCU M.M., SANDU A.V., BINCHICIU EMILIA FLORINA, BĂLȚATU M.S., PĂTROI D., High-entropy alloy of the MoNbTaTiZr system microalloyed with yttrium, for medical applications, and consolidation process, Patent RO134977B1.	25/10	2.5
B.4. BERNIC Mircea; ȚISLINSKAIA Natalia; BALAN Mihail; VIȘANU Vitali; MELENCIUC Mihail; <b>SANDU Andrei-Victor</b> ; PATRAȘ Antoanela, <i>Process for drying grape seeds</i> , <b>Patent MD1578Z/2022</b>	15/7	2.14
B.5. I.G. SANDU, A.V. SANDU, I. SANDU, K. EARAR, V. VASILACHE, C.M. ȘTIRBU, R.A. CRIȘAN DABIJA, M. CHIRAZI, A. VLADESCU, M.C. COTRUT, M.D. VRANCEANU, Jacuzzi system for thermalism with hydro-/air-massage and halochamber treatments with solions, Patent <b>RO134023</b> (B1) - 30.07.2024 (A1) -2020.04.03,	25/11	2.27
B.6. D.E. COLBU, I. SANDU, V. VASILACHE, I.C.A. SANDU, G. COLBU, I.G. SANDU, N. COLBU, <b>A.V. SANDU</b> , <i>Composition and process for treating old wood artifacts against insects, fungi and water</i> , <b>Patent RO134566 (B1)</b> , 2024-04-30.	25/8	3.12
B.7. I.G. SANDU, <b>A.V. SANDU</b> , I. SANDU, K. EARAR, V. VASILACHE, C.M. ȘTIRBU, G. BALAN R.A. CRIȘAN DABIJA, M. CHIRAZI, A. VLADESCU, M.C. COTRUT, Artificial multi-use self-controlled halochamber in dynamic regime, <b>Patent RO134028(B1)</b> – 29.03.2024, Derwent Primary Accession Number: 2020-36417D;	25/11	2.27
B.8. TOMA Ștefan Lucian, SAVIN Gabi, TOMA Bogdan Florin, BEJINARIU Costica, IONIȚĂ Iulian, VIZUREANU Petrică, BĂDĂRĂU Gheorghe, <b>SANDU Andrei Victor</b> , CAZAC Alin, BURDUHOS – NERGIȘ Diana – Petronela, Nozzle system used in electric arc thermal metal spray, Dosar OSIM RO134208B1 / 2024.	25/10	2.50
B.9. NEDEFF Valentin; <b>SANDU Andrei Victor</b> ; NEDEFF Florin Marian; SANDU Ioan Gabriel; BARSAN Narcis; TĂTARU Laurențiu; SANDU Ion; Process for preparing asymmetrical polymeric membranes with permanent wettability to be used in water ultrafiltration for pharmaceutical and food industry, Patent <b>RO133608B1</b>	25/7	3.57
B.10. BERNIC Mircea; ȚISLINSKAIA Natalia; BALAN Mihail; VIȘANU Vitali; MELENCIUC Mihail; <b>SANDU Andrei-Victor</b> ; ȚURCANU Dinu, <i>Drying plant for granular products in suspended layer</i> , Patent <b>MD1558Z/2022</b>	25/7	3.57
B.11. SANDU I., DEAK G., SANDU I.C.A., MONCEA M.A., SANDU I.G., DUMITRU F.D., <b>SANDU, A.V.</b> , MATEI M., PANAIT S., BOBOC M.G., Additivated mortar composition for finishing works in old monuments and process for preparing and applying the same, <b>RO135116B1/2022</b> .	25/10	2.50
B.12. MIHOC PANTELIMONA; SANDU ION; HONCERIU CEZAR; CHIRAZI MARIN; <b>SANDU ANDREI-VICTOR</b> , Basketball-type game, <b>RO130548B1/2022</b>	25/5	5
B.13. EARAR K., PASCU L.F., <b>SANDU A.V.</b> , MATEI M.N, SANDU I., SANDU I.G., Ecological toothpaste with multiple implications, <b>RO131090 B1/2020</b> .	25/6	4.17
B.14. SANDU Ion; CANACHE Maria; CHIRAZI Marin; <b>SANDU Andrei Victor</b> ; MATEI Paul Nicolae; VASILACHE Viorica; MATEI	25/8	3.12

Aurora; SANDU Ioan Gabriel, Artificial halochamber for multiple users and reactivation process, <b>RO128973B1/2017</b>		
B.15. <b>SANDU Andrei Victor</b> ; BEJINARIU Costică; SANDU Ioan Gabriel; IONIȚĂ Iulian; SANDU Ion; VASILACHE Violeta, Process for anticorrosive phosphating of iron metal pieces, <b>RO128835B1/2018</b>	25/6	4.17
B.16. EARAR K., <b>SANDU A.V.</b> , MATEI M.N., LUPAȘCU T., SANDU I., Toothpaste and process for its preparation, <b>MD4453B1/2016</b>	25/5	5
B.17. HAGIU B.A., SANDU I., VASILACHE V., TURA V., MANGALAGIU I., MUNGIU O.C., FILOTE C., <b>SANDU A.V.</b> , <i>Process for preparing an oily nanodispersion with regenerative capacity</i> , <b>Patent RO127723 (B1), 2016.</b>	25/8	3.12
B.18. SANDU Ion; LUCA Constantin; SANDU Irina Crina Anca; HAYASHI Mikiko; SANDU Ioan-Gabriel; VASILACHE Viorica; SANDU Andrei-Victor, Method for determining normal range of variation of equilibrium moisture content, <b>RO123644B1/2015</b>	25/7	3.57
B.19. SANDU Ion; CREȚU Anca Monica; LUPAȘCU Tudor; SIELIECHI Joseph-Marie; KOUAME Innocent-Kouassi; GUIFO Kayem Joseph; <b>SANDU Andrei Victor</b> ; VASILACHE Violeta; SANDU Ioan Gabriel; VASILACHE Viorica, Process for water treatment of ground and surface waters, <b>MD4298C1/2015</b>	25/10	2.50
B.20. SANDU Ion; CANACHE Maria; LUPAȘCU Tudor; CHIRAZI Marin; <b>SANDU Andrei-Victor</b> ; VASILACHE Viorica; SANDU Ioan Gabriel, Artificial halochamber, process for loading and process for reactivation of used salt granules, <b>MD4239C1/2014</b>	25/7	3.57
B.21. SANDU I., LUPASCU T., SANDU I.C.A., VASILACHE V., <b>SANDU A.V.</b> , BOTAN V., <i>Method for reproducing the picture with reconstructed image</i> , <b>Patent MD469 (Y), 2012.</b>	25/6	4.17
B.22. SANDU I., LUPASCU T., SANDU I.C.A., VASILACHE V., <b>SANDU A.V.</b> , BOTAN V., <i>Process for chromatic restoration of lacunary zones of old paintings</i> , <b>Patent MD409 (Z), 2012.</b>	25/6	4.17
B.23. HAGIU B.A., <b>SANDU A.V.</b> , LUPASCU T., CHIRAZI M., MANGALAGIU I., SANDU I., CIOBANU M., VASILACHE V., <i>Powder with haemostatic and regenerative properties (variants) and process for the production thereof</i> , <b>Patent MD4117 (B1), 2011.</b>	25/8	3.12
B.24. HAGIU B.A., SANDU I., LUPASCU T., VASILACHE V., TURA V., MANGALAGIU I., <b>SANDU A.V.</b> , GONCIAR V., <i>Process for the obtaining of an injection oil silver nanodispersion</i> , <b>Patent MD4106 (B1), 2011.</b>	25/8	3.12
B.25. SANDU I., STIRBU C.M., LUPASCU T., CHIRAZI M., STIRBU I.C., SANDU A.V., Artificial surface halochamber, <b>MD4089B1/2011.</b>	25/6	4.17
B.26. HAGIU B.A., <b>SANDU A.V.</b> , TURA V., SANDU I.G., MUNGIU O.C., SANDU I., <i>Powder having hemostatic, antiseptic, wound-healing and regenerative capacities</i> , <b>Patent RO126087 (B1) , 2011.</b>	25/6	4.17
B.27. SANDU I.C.A., VASILACHE V., SANDU I., VRINCEANU N., SANDU I.G., CIOCAN A.C., <b>SANDU A.V.</b> , <i>Process for actively preserving old water-soaked wood</i> , <b>Patent RO126102B1, 2015.</b>	25/7	3.57
B.28. SANDU I., STIRBU C.M., CHIRAZI M., STIRBU I.C.; <b>SANDU A.V.</b> , <i>Artificial Halo Chamber For Multiple Users</i> <b>Patent RO126285.</b>	25/5	5
B.29. SANDU I., STIRBU C.M., STIRBU I.C.; <b>SANDU A.V.</b> , <i>Artificial Microsaline Or Halochamber For Multiple Users</i> , <b>Patent RO 126284.</b>	25/4	6.25
B.30. SANDU I., CANACHE M., SANDU I.G., <b>SANDU A.V.</b> , VASILACHE V. <i>Artificial Halo Chamber For Multiple Users</i> , <b>Patent RO 126283.</b>	25/5	5
B.31. HAGIU B.A.,TURA V., BALAU-MINDRU T., SANDU I., BALAU-MINDRU I., <b>SANDU A.V.</b> , <i>Composite plaster with nanofibres functionalized with noble metals</i> , <b>Patent RO125083 (B1), 2011.</b>	25/6	4.17
B.32. SANDU I., CANACHE M., LUPACU T., SANDU I.G., <b>SANDU A.V.</b> , VASILACHE V. <i>Surface artificial halochamber</i> , <b>Patent MD4040 (B1).</b>	25/6	4.17
B.33. SANDU I., STIRBU C.M., LUPASCU T., STIRBU I.C., <b>SANDU A.V.</b> , <i>Surface artificial microsalt mine</i> , <b>Patent MD 4039 (B1).</b>	25/5	5
B.34. SANDU I., BEJINARIU C., SANDU I.G., BEJINARIU A.G., BACIU C., <b>SANDU A.V.</b> , BEJINARIU M.G., TOMA S.L., Process for removing the noxious effect of effluents and by-products resulting upon crystalline phosphatation of metal parts, <b>RO125597(B1)/2014;</b>	25/8	3.12

B.35. BEJINARIU C. SANDU, I., VASILACHE V., SANDU, I.G., BEJINARIU M.G., <b>SANDU, A.V.</b> , SOHACIU M., VASILACHE, Viorica, Process for the micro-crystalline phosphate-coating of iron-based metal pieces, <b>Patent RO125457-B1/2014</b> ;	25/8	3.12
B.36. BEJINARIU C. SANDU, I., PREDESCU C., VASILACHE Violeta, MUNTEANU, C., <b>SANDU, A.V.</b> , VASILACHE, Viorica, SANDU, I.G., Process for the crystalline lubricating phosphate-coating of iron-based metal pieces, <b>Patent RO125456-B1/2014</b> ;	25/8	3.12
B.37. SANDU, I.G., SANDU, I., NEACSU, I., STOLERIU, S., SANDU, I.C.A., <b>SANDU, A.V.</b> , Process for the repatination of areas restored by surface passivation of old bronze and brass pieces, <b>Patent RO123077 (B1)/30.09.2010</b> (Dosar OSIM A00437/10.05.2005);	25/6	4.17
B.38. DEBELI M, <b>SANDU A V</b> , SANDU I, System For Musical Illumination And Personalization Of Menus, RO125443-B1, 2010	25/3	8.33
B.39. SANDU I.G., DOBRE C., SANDU A.V., Process for preparing a solid ecological odorizing essence, RO123142B1/2010.	25/3	8.33
B.40. SANDU, I., LUPASCU, T., SANDU, I. C. A., VASILACHE, V., SANDU, I. G., BOȚAN, V., <b>SANDU, A. V.</b> , CIOCAN, A.-C., Process for ignifigation and insectofungicization of age-old wood articles of art, <b>Patent MD4018 F1/2010</b> ;	25/8	3.12
B.41. SANDU, I., LUPASCU, T., SANDU, I. C. A., VASILACHE, V., SANDU, I. G., BOȚAN, V., <b>SANDU, A. V.</b> , CIOCAN, A.-C., Process for insectofungicization and hydrophobization of age-old wood articles of art, <b>Patent MD3966 B1/2009</b> ;	25/8	3.12
B.42. SANDU, I.G., DIMA, A., SANDU, I., ROIBU, L., SANDU, I.C.A., ROIBU, L.O., SANDU, A.V., Process for Obtaining Artistic Patina by Chemical Passivation of Iron Parts Surfaces, <b>Patent RO122303/30.03.2009</b> (Hot. nr. 3/254 din 30.11.2009, Dosar OSIM A00138/17.02.2004);	25/7	3.57
B.43. SANDU, I.G., DIMA, A., SANDU, I., IOAN, C., SANDU, I.C.A., VASILACHE, M., <b>SANDU, A.V.</b> , Organic Basic Solution for Fixing and Consolidating some Frescoes and Old Ornamental Elements and Process for Obtaining the Same, <b>Patent RO122135 B1/30.01.2009</b> (Hot. nr. 3/242/30.10.2008, Dosar OSIM 0137/17.02.2004);	25/7	3.57
B.44. I. SANDU, I., T. LUPASCU, I.C.A. SANDU, C. LUCA, V. VASILACHE, I.G. SANDU, M. HAYASHI, <b>A.V. SANDU</b> , M. CIOBANU, Method for determining the normal range of variation of hydric equilibrium, <b>Patent MD3713F/2008</b> ;	25/9	2.78
B.45. I.C.A. SANDU, I. SANDU, T. BOUNEGRU, I.G. SANDU, <b>A.V. SANDU</b> , Method of dating the old cellulose textile materials, <b>Patent MD3325G2/31.05.2007</b> (AGEPI File a2006-0190/17.07.2006, Owner the State University of Kisinev);	25/5	5
B.46. I. SANDU, T. BOUNEGRU, I.G. SANDU, A.ALEXANDRU, I.C.A. SANDU, F. DIACONESCU, <b>A.V. SANDU</b> , Process for obtaining a green, opaque, photo- and thermoresistant pigment, <b>Patent MD3296G2/30.04.2007</b> (AGEPI File a2006-0178/21.06.2006, Owner the State University of Kisinev);	25/7	3.57
B.47. I.C.A. SANDU, I. SANDU, I.G. SANDU, <b>A.V. SANDU</b> , Method for the determination of the age of textile cellulosed supports, <b>Patent RO121151/30.10.2006</b> , (OSIM file A00989/2001, Owners the authors);	25/4	6.25
B.48. C. PASCU, I. SANDU, G. CIOBANU, I.G. SANDU, V. VASILE, O. CIOBANU, <b>A.V. SANDU</b> , A. PASCU, Method and device for the determination of the salin aerosols, <b>Brevet RO 122232/2009</b> ;	25/8	3.12
B.49. P.GRIEROSU, <b>I.SANDU</b> , D.COVARARIU, I.G. SANDU, D. GRIEROSU, <b>A.V. SANDU</b> , G. GRIEROSU, I.C.A. SANDU, Fungicidal and insecticidal fireproof product for wood and process for applying the same, <b>Brevet RO 120975/30.10.2006</b> ;	25/8	3.12
B.50. I. SANDU, C. SAPARIUC, I.G. SANDU, T. BOUNEGRU, <b>A.V. SANDU</b> , Mini egg incubator of domestic use, <b>Brevet MD3197/05.12.2006</b> ;	25/5	5
B.51. I.G. SANDU, I. SANDU, T. BOUNEGRU, I.C.A. SANDU, <b>A.V. SANDU</b> , Dispersion on base of calcium hydroxide for fixation and strengthening of frescoes, finishes and old ornamental elements of marble, concrete and mortar, <b>Brevet MD3052/04.06.2006</b> ;	25/5	5
B.52. I.G. SANDU, I. SANDU, T. BOUNEGRU, I.C.A. SANDU, <b>A.V. SANDU</b> , Process for repatination of old restored bronze and brass articles, <b>Brevet MD3008/31.03.2006</b> ;	25/5	5
B.53. I. SANDU, T. BOUNEGRU, I. G. SANDU, G. ROMAN, <b>A.V. SANDU</b> , Procedeu de denocivizare a șlamului albastru rezultat la deferizarea vinurilor, <b>Brevet MD2741 F/30.04.2005</b> .	25/5	5

<b>A2.4 Granturi/proiecte câștigate prin competiție</b>		<b>75</b>
<b>A2.4.1 Director/responsabil</b>		<b>25</b>
<b>A2.4.1.1 Internaționale</b>		
A2.4.1.2 Naționale	2 (2)	
<b>1. Responsabil Partener TUIASI - Proiect P4 - Proiect Complex</b> PN-III-P1-1.2-PCCDI-2017-0239 / 60PCCDI 2018 Director de proiect: Munteanu Cornel, Responsabil proiect P4 – Partener TUIASI : <b>Sandu Andrei Victor</b> , Obținerea și expertizarea unor noi materiale biocompatibile pentru aplicații medicale Suma partener/proiect: 217.000 lei (Total proiect: 5.273.400 lei)	(5x3 ani=15)	15
<b>2. Director Proiect</b> Sectorial P3 no. 4PS/03.09.2019 Institutul National de Cercetare-Dezvoltare pentru Protectia Mediului INCDDPM Determinarea metodologiei și coeficienților specifici României în vederea cuantificării emisiilor și absorbțiilor de GES în vederea cuantificării schimbărilor climatice Director de proiect: Sandu Andrei Victor Suma: 2.000.000 lei	(5x2 ani=10)	10
<b>A2.4.2 Membru in echipa</b>		<b>50</b>
A2.4.2.1. Internationale		<b>32</b>
Proiectul cu Ordinul IUCN nr. 397/27.05.2019, cu titlul: „Study of structure and properties of novel functional biomaterial by neutron scattering and complementary methods”, contract nr. 4860-4-19/20 cod temă 04-4-1121-2015/2020 Director proiect: Vizureanu Petrică Valoare proiect: 5400\$ Durata proiect: 2019 – 2020	(4x2 ani =8)	8
Proiectul cu Ordinul IUCN nr. 395/27.05.2019, cu titlul „Ti-based alloys as a new biomaterials used in medical applications”, cod tema 04-4-1121-2015/2020 Director proiect: Vizureanu Petrică Valoare proiect: 4000\$ Durata proiect: 2019 – 2020	(4x2 ani =8)	8
Proiectul „Environmental footprint reduction through eco-friendly technologies of mine tailings recycling”, COFUND-ERAMIN-3-RecMine Director proiect: Vizureanu Petrică Valoare proiect: 576675 RON Durata proiect: 2022 – 2024	(4x2 ani =8)	8
Proiectul „Harnessing complementary curricular preparedness via sustainable management in response to civil and military pollution on the coastline, tributaries and lagoons in Black Sea’s North, West, South zone”, Call: EMFAF-2023-PIA-FLAGSHIP, Type of action: EMFAF-PJG, Proposal number: 101124670, Black Sea SIERRA Director proiect: Vizureanu Petrică Valoare proiect: 60 000 € Durata proiect: 2023 – 2026	(4x1 an =4)	4
Proiectul “A new generation of metallic biomaterials as health solution for a sustainable life”, Project ERA-MIN Joint Transnational Call 2023, Cool&SMartTit Project	(4x1 an =4)	4



Director proiect: Vizureanu Petrică Valoare proiect: 617000 RON Durata proiect: 2024 – 2027		
A2.4.2.2 Naționale		18
Proiect Complex, PN-III-P1-1.2-PCCDI-2017-0239 / 60PCCDI 2018 , Director de proiect: Munteanu Corneliu, membru : <b>Sandu Andrei Victor</b> P2, - "Obținerea și expertizarea unor noi materiale biocompatibile pentru aplicații medicale " Suma partener/proiect: 350.000 RON (Total proiect: 5.273.400 RON) Durata proiect: 2018-2021	(2x3 ani =6)	6
Director de proiect: Manea Liliana Rozemarie, membru : <b>Sandu Andrei Victor</b> Bridge Grant PNCDI III, Nr. 46BG/1016 2016-2018 Titlul: Tehnologii performante pentru obtinerea de structuri 3D cu aplicatii in securitate Valoare totală: 460.000 lei	(2x3 ani =6)	6
Director proiect: Olteanu Gabriel (Academia de Politie Al.I.Cuza) POSDRU/86/1.2/S/62307, Titular: Academia de Poliție „Alexandru Ioan Cuza”, Partener: Universitatea Al.I.Cuza Iasi, Titlul: Promovarea cercetării științifice din domeniul criminalisticii în activitatea judiciara in echipa de cercetare – Expert lungă durată <b>Andrei Victor Sandu</b> (angajat de Academia de Politie Al.I.Cuza Bucuresti). - valoare 2.026.736,32 Euro	(2x3 ani =6)	6
<b>PUNCTAJ TOTAL Domeniu de activitate A2</b>		<b>5644.30</b>

<b>A3. Recunoașterea și impactul activității</b>			
<b>A3.1 Citări în reviste ISI și BDI</b>		Minim 30	
<b>A3.1.1 ISI</b> - <b>Selectie de 440 citari, primele 5 cele mai citate articole</b> (exclus citarile tuturor co-autorilor) <b>5/na FI&lt;0.5 ; 10/na 0.5&lt;FI&lt;1.0 ; 15/na 1&lt;FI&lt;2 ; 20/na 2&lt;FI&lt;5 ; 30/na FI&gt;5</b>		<b>Selectie 440</b>	<b>1653.04</b>
<p>Aziz, Ikmal Hakem; Abdullah, Mohd Mustafa Al Bakri; Salleh, M. A. A. Mohd; Azimi, Emy Aizat; Chaiprapa, Jitrin; <b>Sandu, Andrei Victor</b>, Strength development of solely ground granulated blast furnace slag geopolymers, <b>CONSTRUCTION AND BUILDING MATERIALS</b>, Volume 250, Article Number 118720, 2020, DOI10.1016/j.conbuildmat.2020.118720</p> <p>Citat de: ( 5.0 + 3.33 + 3.33 + 5.0 + 5.0 + 5.0 + 3.33 + 5.0 + 2.5 + 3.33 + 5.0 + 5.0 + 3.33 + 3.33 + 3.33 + 5.0 + 5.0 + 5.0 + 5.0 + 5.0 + 5.0 + 2.5 + 3.33 + 3.33 + 3.33 + 5.0 + 5.0 + 5.0 + 3.33 + 5.0 + 0.83 + 3.33 + 3.33 + 3.33 + 5.0 + 5.0 + 3.33 + 5.0 + 5.0 + 5.0 + 5.0 + 0.83 + 5.0 + 5.0 + 5.0 + 3.33 + 5.0 + 3.33 + 3.33 + 3.33 + 3.33 + 3.33 + 3.33 + 5.0 + 5.0 + 3.33 + 3.33 + 3.33 + 3.33 + 5.0 + 5.0 + 3.33 + 2.5 + 3.33 + 5.0 + 5.0 + 5.0 + 0.83 + 2.5 + 0.83 + 5.0 + 5.0 + 3.33 + 5.0 + 5.0 + 5.0 + 5.0 + 5.0 + 3.33 + 1.67 + 3.33 = 366.67 )</p> <ol style="list-style-type: none"> <li>Li, GJ; Zhang, WJ; Li, J; Jiang, YH; Zhang, YN. 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51. Klima, KM; Schollbach, K; Brouwers, HJH; Yu, QL. Enhancing the thermal performance of Class F fly ash-based geopolymer by sodalite. <i>CONSTRUCTION AND BUILDING MATERIALS</i> , 314. 2022. 125574 <b>IF=8.0</b>		
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64. Korat, L; Ducman, V. Characterization of Fly Ash Alkali Activated Foams Obtained Using Sodium Perborate Monohydrate as a Foaming Agent at Room and Elevated Temperatures. <i>FRONTIERS IN MATERIALS</i> , 7. 2020. 572347 <b>IF=2.9</b>		
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66. Ababneh, A; Matalkah, F; Aqel, R. Synthesis of kaolin-based alkali-activated cement: carbon footprint, cost and energy assessment. <i>JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&amp;T</i> , 9(4). 2020. 8367-8378 <b>IF=6.6</b>		
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<b>A3.2 Prezentări invitate în plenul unor manifestări științifice naționale și internaționale și Profesor invitat (exclusiv ERASMUS)</b>		40
A3.2.1 Internaționale		
<ul style="list-style-type: none"> <li>1. Keynote Speaker: ICMPS 2025, Bangkok</li> <li>2. Invited Speaker: PRIOCHEM 2021, Romania</li> <li>3. Keynote Speaker: ICOA 2021, Germany</li> <li>4. Keynote Speaker: ICAMET 2015, Taiwan</li> </ul>		32
A3.2.2 Naționale		
A3.2.3 Profesor invitat		
<ul style="list-style-type: none"> <li>1. Professor Visiting – Universiti Malaysia Perlis, 2016</li> </ul>		8
<b>A3.3 Membru în colectivele de redacție sau comitete științifice al revistelor și manifestărilor științifice, organizator de manifestări științifice/ Recenzor pentru reviste și manifestări științifice naționale și internaționale indexate ISI</b>		377
A3.3.1 ISI		177
<ul style="list-style-type: none"> <li>1. Publishing Editor: <b>International Journal of Conservation Science</b> (indexat Web of Science: IF 0.8)</li> </ul>		12
<ul style="list-style-type: none"> <li>1. Reviewer: Materials</li> <li>2. Reviewer: Coatings</li> <li>3. Reviewer: Metals</li> <li>4. Reviewer: Alloys</li> <li>5. Reviewer: Applied Sciences</li> <li>6. Reviewer: Buildings</li> <li>7. Reviewer: Polymers</li> <li>8. Reviewer: Bioengineering</li> <li>9. Reviewer: Construction and Building Materials</li> <li>10. Reviewer: Archives of Metallurgy and Materials</li> <li>11. Reviewer: Journal of Marine Science and Engineering</li> <li>12. Reviewer: Journal of Cleaner Production</li> <li>13. Reviewer: International Journal of Molecular Sciences</li> <li>14. Reviewer: Applied Clay Sciences</li> <li>15. Reviewer: Corrosion and Materials Degradation</li> <li>16. Reviewer: Journal of Functional Biomaterials</li> <li>17. Reviewer: Textiles</li> <li>18. Reviewer: Journal of Materials Research and Technology</li> <li>19. Reviewer: Microscopy and Microanalysis</li> </ul>		165

20. Reviewer: Crystals 21. Reviewer: Molecules 22. Reviewer: Journal of Materials Research and Technology 23. Reviewer: Thin Solid Films 24. Reviewer: Microscopy and Microanalysis 25. Reviewer: Arabian Journal of Chemistry 26. Reviewer: Journal of Hazardous Materials 27. Reviewer: Colloids and Surfaces A: Physicochemical and Engineering Aspects 28. Reviewer: Resources, Conservation & Recycling 29. Reviewer: Advances in Materials Science and Engineering 30. Reviewer: Optik – International Journal for Light and Electron Optics 31. Reviewer: Wear 32. Reviewer Case Studies in Construction Materials 33. Reviewer: Journal of Alloys and Compounds		
<b>A3.3.2 BDI</b>		<b>90</b>
1. Publishing Editor: <b>European Journal of Materials Science and Engineering</b> (indexat DOAJ, Chemical Abstract)		10
2. <b>A.V. SANDU</b> , P. VIZUREANU, M.M.A.B.ABDULLAH, M. NABIALEK, M.R.R.M.A. ZAINOL, I. SANDU, Selected Papers from the International Conference on Innovative Research ICIR EUROINVENT 2025, <b>Springer Proceedings in Materials</b> (SPM, volume 95).		10
3. <b>A.V. SANDU</b> , P. VIZUREANU, M.M.A.B.ABDULLAH, M. NABIALEK, M.R.R.M.A. ZAINOL, I. SANDU, Selected Papers from the International Conference on Innovative Research ICIR EUROINVENT 2024, <b>Springer Proceedings in Materials</b> (SPM, volume 64).		10
4. <b>A.V. SANDU</b> , P. VIZUREANU, M.M.A.B.ABDULLAH, M. NABIALEK, C.M.R. GHAZALI, I. SANDU, Selected Papers from ICIR EUROINVENT – 2023 (International Conference on Innovative Research), <b>Springer Proceedings in Materials</b> (SPM, volume 38).		10
5. <b>A.V. SANDU</b> , M.M.A.B. ABDULLAH, P. VIZUREANU, C.M.R. GHAZALI, I. SANDU, <b>IOP Conference Series: Materials Science and Engineering</b> , Volume 374, 2018 (ISSN 1757-899X). ( <b>EDITOR volum Proceeding</b> )		10
6. <b>A.V. SANDU</b> , M.M.A.B. ABDULLAH, P. VIZUREANU, C.M.R. GHAZALI, I. SANDU, <b>IOP Conference Series: Materials Science and Engineering</b> , Volume 209, 2017 (ISSN 1757-899X). ( <b>EDITOR volum Proceeding</b> )		10
7. <b>A.V. SANDU</b> , M.M.A.B. ABDULLAH, P. VIZUREANU, S.Z.A. RAHIM, I. SANDU, <b>IOP Conference Series: Materials Science and Engineering</b> , Volume 133, 2016 (ISSN 1757-899X). ( <b>EDITOR volum Proceeding</b> )		10
8. M.M.A.B. ABDULLAH, L. JAMALUDIN, M.F.M. TAHIR, <b>A.V. SANDU</b> , <b>GEOPOLYMER AND GREEN TECHNOLOGY, Materials Science Forum</b> , Vol. 803, 2015, Trans Tech Publications, ISBN 978-3-03835-233-4, 394 p. ( <b>EDITOR volum Proceeding</b> )		10
9. <b>A.V. SANDU</b> , M.M.A.B. ABDULLAH, P. VIZUREANU, Y. YAHYA, I. SANDU, <b>INNOVATIVE MATERIALS AND ENGINEERING RESEARCH, Key Engineering Materials</b> , Vol. 660, 2015, Trans Tech Publications, ISBN 978-3-03835-559-5, 428 p. ( <b>EDITOR volum Proceeding</b> )		10
<b>A3.3.3 Naționale și internaționale neindexate</b>		<b>110</b>
1. <b>A.V. SANDU</b> , <b>EUROINVENT 2025</b> , (Proceedings of the 16th edition), (ISSN print: 2601-4564 ISSN online: 2601-4572), Iasi, 620 p.		5
2. <b>A.V. SANDU</b> , <b>EUROINVENT 2024</b> , (Proceedings of the 16th edition), (ISSN print: 2601-4564 ISSN online: 2601-4572), Iasi, 560 p.		5



3. <b>A.V. SANDU</b> , EUROINVENT 2023, (Proceedings of the 15th edition), (ISSN print: 2601-4564 ISSN online: 2601-4572), Iasi, 649 p.		5
4. <b>A.V. SANDU</b> , M.M.A.B. ABDULLAH, P. VIZUREANU, M. NABIALEK, C.M.R. GHAZALI, I. SANDU, <b>IOP Conference Series: Materials Science and Engineering</b> , Volume 1962, 2022 (ISSN 1757-899X).		5
5. <b>A.V. SANDU</b> , EUROINVENT 2022, (Proceedings of the 14th edition), (ISSN print: 2601-4564 ISSN online: 2601-4572), Iasi, 654 p.		5
6. <b>A.V. SANDU</b> , M.M.A.B. ABDULLAH, P. VIZUREANU, M. NABIALEK, C.M.R. GHAZALI, I. SANDU, <b>IOP – Journal of Physics: Conference Series</b> , Volume 877, 2021 (ISSN 1757-899X).		5
7. <b>A.V. SANDU</b> , EUROINVENT 2021, (Proceedings of the 13th edition), (ISSN print: 2601-4564 ISSN online: 2601-4572), Iasi, 654 p.		5
8. <b>A.V. SANDU</b> , M.M.A.B. ABDULLAH, P. VIZUREANU, C.M.R. GHAZALI, I. SANDU, <b>IOP Conference Series: Materials Science and Engineering</b> , Volume 877, 2020 (ISSN 1757-899X).		5
9. <b>A.V. SANDU</b> , EUROINVENT 2020, (Proceedings of the 12th edition), (ISSN print: 2601-4564 ISSN online: 2601-4572), Iasi, 658 p.		5
10. <b>A.V. SANDU</b> , M.M.A.B. ABDULLAH, P. VIZUREANU, C.M.R. GHAZALI, I. SANDU, <b>IOP Conference Series: Materials Science and Engineering</b> , Volume 572, 2019 (ISSN 1757-899X).		5
11. <b>A.V. SANDU</b> , EUROINVENT 2019, (Proceedings of the 11th edition), (ISSN print: 2601-4564 ISSN online: 2601-4572), Iasi, 658 p.		5
12. <b>A.V. SANDU</b> , EUROINVENT 2019, volume 11 (Proceedings of the 11th edition), (ISSN print: 2601-4564 ISSN online: 2601-4572), Iasi, 658 p.		5
13. <b>A.V. SANDU</b> , EUROINVENT 2018, volume 10 (Proceedings of the 10th edition), (ISSN print: 2601-4564 ISSN online: 2601-4572), Iasi, 618 p.		5
14. <b>A.V. SANDU</b> , EUROINVENT 2017 (Proceedings of the 9th Edition), Editura Studis, 2017, ISBN 978-606-775-212-0, 692 p.		5
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16. <b>A.V. SANDU</b> , I.G. SANDU, EUROINVENT 2015 (Proceedings of the 7th Edition), Editura PIM, 2015, ISBN 978-606-13-2474-3, 502 p.		5
17. <b>A.V. SANDU</b> , I. SANDU, EUROINVENT 2014, Editura Universitatii Al.I.Cuza Iasi, 2014, ISBN 978-973-702-641-5, 646 p.		5
18. <b>A.V. SANDU</b> , EUROINVENT 2013, Editura Universitatii Al.I.Cuza Iasi, 2013, ISBN 978-973-703-891-3, 500 p		5
19. <b>A.V. SANDU</b> , EUROINVENT 2012, Editura Universitatii Al.I.Cuza Iasi, 2012, ISBN 978-973-703-759-6, 380 p		5
20. <b>A.V. SANDU</b> , EUROINVENT 2011, Editura TEHNOPRESS, 2011, ISBN 978-973-702-851-8, 324 p		5
21. <b>A.V. SANDU</b> , EUROINVENT 2010, Editura TEHNOPRESS, 2010, ISBN 978-973-702-769-6, 228 p.		5
22. <b>A.V. SANDU</b> , EUROINVENT 2009, Editura TEHNOPRESS, 2009, ISBN 978-973-702-641-5, 194 p.		5
<b>A3.4 Expert evaluare proiecte de cercetare</b>		<b>440</b>
A3.4.1 Internationale		
Austrian Science Fund (FWF) 2023 – 1	10	
Polonia 2022 – 5	50	

Polonia 2023 - 12	120	
Qatar 2024 – 2	20	
Polonia 2025 – 16	160	
Horizon Pathfinder 1	10	
Qatar 2025 – 2	20	
A3.4.2 Nationale		
Proiecte Nucleu x 4	20	
Proiecte Arut x 6	30	
<b>A3.5 Premii</b>		<b>430</b>
A3.5.1 Academia Romana		
A3.5.2 ASAS, AOSR, academii de ramura și CNCSIS		
<b>A3.5.3 Premii internaționale (selectie de premii si distinctii din totalul de peste 150 de medalii)</b>		<b>410</b>
<b>Premii, Medalii de aur, argint si bronz la Saloanele Internationale de Inventii</b>		
1. Medalia de aur – ARCA Croatia 2025		10
2. Medalia de aur – CSIEI China 2025		10
3. Medalia de argint – ICAN Canada 2025		10
4. Medalia de aur – INTARG Poland 2025		10
5. Medalia de aur – ISIF Turcia 2025		10
6. Medalia de aur – ITE Londra 2025		10
7. Medalia de aur – DIS Dubai 2024		10
8. Medalia de aur – SGIIE Saudi Arabia 2024		10
9. Medalia de aur – AIIE USA 2024		10
10. Medalia de aur – JDIIE Japan 2024		10
11. Medalia de aur – INOVA Croatia 2024		10
12. Medalia de aur – ICAN Canada 2023		10
13. Medalia de aur – IEI Polonia 2023		10
14. Medalia de aur – INOVA Zagreb 2023		10
15. Medalia de aur – ITE Londra 2023		10
16. Medalia de aur – JDE Japonia 2023		10
17. Medalia de argint – IWIS Polonia 2023		10
18. Medalia de aur – INNOVERSE USA 2023		10
19. Medalia de aur – BIIS Lebanon 2022		10
20. Medalia de aur – CSITF China 2022		10
21. Medalia de aur – IID Indonesia 2022		10
22. Medalia de argint – KIDE Taiwan 2023		10

23. Medalia de argint – ISIF Turcia 2022		10
24. Medalia de aur – WICO Korea 2022		10
25. Medalia de argint – IPITEX tailanda 2021		10
26. Medalia de aur – ICAN Canada 2021		10
27. Medalia de aur – WINTEX-IID Indonesia 2021		10
28. Medalia de aur – INFOINVENT Chisinau 2021		10
29. Medalia de aur – INOVA Zagreb 2021		10
30. Medalia de aur – INTARG Polonia 2021		10
31. Medalia de aur – ISIF Turcia 2021		10
32. Medalia de aur – WICO Korea 2021		10
33. Medalia de aur – PEnvex Malaysia 2020		10
34. Medalia de aur – AsianInvent Singapore 2020		10
35. World Inventor Order of Merit, Korea Invention News, WIAF Seoul, 2013		10
36. Special Award, Asia Invention Association, CIGIF Seoul		10
37. Cupa AGEPI, Euroinvent, Iasi, 2013		10
38. Insigna de Onoare, Universitatea Tehnica a Moldovei, 2013		10
39. Best Invention of Europe, Inpex Pittsburgh USA, 2012		10
40. Special Prize, Korea Invention Promotion Association, Inpex Pittsburgh, 2012		10
41. Merite de L’Invention – Chevalier, Brussels, Inova, 2004		10
<b>A3.5.4 Premii naționale în domeniu</b>		<b>20</b>
1. Premiile de Excelenta ale Universitatii Tehnice - PREMIUL CERCETĂTORUL CU CELE MAI BUNE PERFORMANTE ÎN CERCETAREA ȘTIINȚIFICĂ – 2021		5
2. Premiile de Excelenta ale Universitatii Tehnice - PREMIUL PENTRU TÂNĂRUL CERCETĂTOR CU CELE MAI BUNE PERFORMANTE ÎN CERCETAREA ȘTIINȚIFICĂ – 2018		5
3. Premiile de Excelenta ale Universitatii Tehnice - PREMIUL PENTRU CELE MAI BUNE PERFORMANȚE ÎN INOVARE ȘI TRANSFER TEHNOLOGIC – 2016		5
4. Premiile de Excelenta ale Universitatii Tehnice - PREMIUL PENTRU TÂNĂRUL CERCETĂTOR CU CELE MAI BUNE PERFORMANTE ÎN CERCETAREA ȘTIINȚIFICĂ – 2015		5
<b>A3.6 Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații din domeniul educației și cercetării</b>		<b>27</b>
A3.6.1 Academia Romana		
A3.6.2 ASAS, AOSR și academii de ramură		
Membru Corespondent AOSR	10	10
A3.6.3 Conducere asociații profesionale		
A3.6.3.1 Internaționale		
A3.6.3.2 Naționale		

<b>Președinte - FORUMUL INVENTATORILOR ROMANI</b>		5
A3.6.4 Asociații profesionale		
A3.6.4.1 Internaționale		
<b>1. IFIA – International Federation of Inventors Associations (Comitetul Executiv)</b>		5
<b>2. WIIPA – World Invention Intellectual Property Associations (Director CD)</b>		5
A3.6.4.2 Naționale		
<b>Membru al AGIR – Asociația Generală a Inginerilor din România</b>		2
A3.6.5 Organizații în domeniul educației și cercetării		
A3.6.5.1 Conducere		
A3.6.5.2 Membru		
<b>PUNCTAJ TOTAL Domeniu de activitate A3</b>	<b>2967.04</b>	

Data: 09.12.2025

Semnătura: SANDU Andrei Victor

