

Concurs pentru ocuparea postului poz. 5, de Conferențiar  
 Departamentul de Tehnologii și Echipamente pentru Procesarea Materialelor,  
 Facultatea de Știința și Ingineria Materialelor  
 Disciplinele: Management de Mediu în Ingineria Materialelor  
 Management de Mediu în Inginerie Mecanică  
 Management de Mediu în Ingineria Procesării Materialelor  
 Domeniul Ingineria Materialelor  
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## LISTA DE LUCRĂRI

Candidat: SANDU I. Andrei Victor     **Dr./** din 2012, Sef lucrari    din 2016

**1<sup>o</sup> Teza de doctorat :** „*Obținerea și caracterizarea de noi straturi fosfatate pe suport de fier cu proprietăți anticorozive și lubrifiante*” – diploma de doctor seria H, nr. 0016201, susținută public pe 12.10.2012.  
 Universitatea Tehnică Gheorghe Asachi, Coordonator Prof.univ.dr.ing. Costică BEJINARIU

**2<sup>o</sup> Cărți/ cursuri/ manuale publicate în edituri recunoscute din țară sau din străinătate (Ca1, Ca2 etc.), îndrumare publicate/culegeri de probleme (I1, I2 etc.), sisteme de laborator funcționale etc. (D1, D2 etc.) cursuri proprii pe Web, sisteme e-learning etc. (W1, W2 etc.), după caz, precum și alte lucrări (M1, M2 etc.) prin care se aduc contribuții la dezvoltarea activităților didactice/ profesionale.**

### A. Calculul numărului de puncte pentru realizări în activitatea didactică

	<b>Carte/ curs/ manual publicată în editură recunoscută CNCS (prim autor/co-autor)</b>	<b>Punctaj</b>
<b>Ca</b>	Ca1. <b>A.V. SANDU</b> , N.M. NOOR, Introducere în Ingineria Mediului, Ed. PIM Iasi, 2015, 168p. (ISBN 978-606-13-2752-2) (P: $168 \times 5 / 100 / 2 = 4.2$ )	4.2
	Ca2. <b>A.V. SANDU</b> , I. SANDU, <b>Ecologie și management de mediu</b> , Ed. PIM, Iasi, 2018, 258p. (ISBN 978-606-13-4582-3) (P: $258 \times 5 / 100 / 2 = 6.45$ )	6.45
<b>I</b>	<b>Îndrumar/ culegere de probleme (publicat)</b>	
	I1. <b>A.V. SANDU</b> , Managementul de Mediu în Ingineria Materialelor, I. Teorie și aplicații pentru studenți, Ed. Pim, (ISBN ), 2018, 164 p. (P: $164 \times 4 / 100 / 1 = 6.56$ )	6.56
<b>D</b>	<b>Sisteme de laborator funcționale</b>	
	D1. Instalatie pentru determinarea puritatii carbonatului de calciu	2
	D2. Concepere lucrare noua / studiu de caz	1.5
	D2.1. Calculul balanței de deseuri solide	
<b>W</b>	D2.2. Determinarea duritatii totale a apei	1,5
	<b>Utilizarea sistemelor de predare/ învățare/ evaluare de tip e-learning/ on-line/ multimedia etc.</b>	
	W1. Suport de studiu online – PDF - . <b>A.V. SANDU</b> , Managementul de Mediu în Ingineria Materialelor, I. Teorie și aplicații pentru studenți, 164 p.	1
<b>TOTAL A.</b>		<b>23.21</b>

3<sup>o</sup> Cărți/ capitole cărți de specialitate publicate în edituri recunoscute din țară sau din străinătate (Cb1, Cb2 etc.), articole/ studii publicate în reviste din țară/ străinătate, cu factor de impact/ indexate în BDI/ neindexate în BDI (R1, R2 etc.), brevete de invenție (B1, B2 etc.), creații artistice prezentate la manifestări recunoscute din țară/ străinătate (A1, A2 etc.), articole/ studii publicate în volumele manifestărilor științifice naționale/ internaționale indexate BDI/ neindexate BDI (V1, V2 etc.), după caz, precum și alte lucrări (N1, N2 etc.) prin care se aduc *contribuții științifice la dezvoltarea domeniului*.

**B. Calculul numărului de puncte pentru contribuții științifice la dezvoltarea domeniului**

	Carte de specialitate publicată în editură din străinătate	Punctaj
Cb	Cb1. <b>A.V. SANDU</b> , C. BEJINARIU, I.G. SANDU, M.M.A.B. ABDULLAH, Modern Technologies of Thin Films Deposition. I. Chemical Phosphatation, Materials Research Foundations, Materials Research Forum LLC, Millersville PA, USA, ISBN 978-1-945291-90-6, 148p, 2018. doi: <a href="http://dx.doi.org/10.21741/9781945291913">http://dx.doi.org/10.21741/9781945291913</a> (P: $148 \times 12 / 100 / 4 = 4.44$ )	4.44
	Capitol carte de specialitate publicată în editură din străinătate	
	...	
	Carte de specialitate/ capitol publicat în editură din țară, recunoscută CNCS	
	Ca1. <b>A.V. SANDU</b> , C. BEJINARIU, Tehnologii moderne de fosfatare. Studii și aplicații (Modern Phosphatation Technologies. Studies and Applications), Ed. Politehniun 2013, 130p. (ISBN 978-973-621-404-2) (P: $130 \times 8 / 100 / 2 = 5.2$ )	5.20
	Ca2. I. SANDU, M. CANACHE, <b>A.V. SANDU</b> , V. VASILACHE, Aerosolii si dezvoltarea copiilor, Ed. Univ.Al.I.Cuza Iasi, 2015, 200p. (ISBN 978-606-714-099-6) (P: $200 \times 8 / 100 / 4 = 4.0$ )	4.00
	Ca3. I. SANDU, C.M. STIRBU, <b>A.V. SANDU</b> , C.I. STIRBU, Aerosolii salini în îmbunătățirea performanțelor sportivilor, Ed. Univ.Al.I.Cuza Iasi, 2015, 238p. (ISBN 978-606-714-179-5) (P: $238 \times 8 / 100 / 4 = 4.0$ )	4.76
	Ca4. I. SANDU, M.A. CRETU, I.G. SANDU, V. VASILACHE, <b>A.V. SANDU</b> , G. MARUSIC, Implicarea ceramicilor in potabilizarea apelor de suprafata si subterane, Ed. Universitații Alexandru Ioan Cuza Iași (ISBN 978-606-714-451-2), 2018, 250p (P: $250 \times 8 / 100 / 6 = 4.0$ )	3.33
<b>TOTAL Cb</b>		<b>21.73</b>

	Articol publicat în revistă cotate ISI, CU FACTOR DE IMPACT (165)	Calcul	Punctaj 6/na
Ra	Ra1. M. BOLAT, S. STOLERIU, V. VASILACHE, G. IOVAN, G. PANCU, <b>A.V. SANDU</b> , 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 FI: 1.605	P = 6/8=	0.75
	Ra2. M.S. BALTATU, C.A. TUGUI, M.C. PERJU, M. BENCHEA, M.C. SPATARU, <b>A.V. SANDU</b> , P. VIZUREANU, Biocompatible Titanium Alloys used in Medical Applications, <b>REVISTA DE CHIMIE</b> , 70, 4, 2019, p. 1302-1306. FI: 1.605	P = 6/7=	0.86
	Ra3. E. GOLDAN, V. NEDEFF, N. BARSAN, E. MOSNEGUTU, <b>A.V. SANDU</b> , 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 FI: 1.605	P = 6/6=	1.00
	Ra4. C.P. PAPADATU, <b>A.V. SANDU</b> , 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.	P = 6/4=	1.50
	Ra5. L. TATARU, V. NEDEFF, N. BARSAN, <b>A.V. SANDU</b> , E. MOSNEGUTU, M. PANAINTE-LEHADUS, I. SANDU, Applications of Polymeric Membranes Ultrafiltration Process on the Retention of Bentonite Suspension, <b>MATERIALE</b>	P = 6/7=	0.86

	<b>PLASTICE</b> , 56, 1, 2019, p. 97-102. <a href="#">FI: 1.393</a>		
Ra6.	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) <a href="#">FI: 0.545</a>	P = 6/5=	1.20
Ra7.	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. <a href="#">FI: 1.605</a>	P = 6/6=	1.00
Ra8.	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. <a href="#">FI: 1.605</a>	P = 6/7=	0.86
Ra9.	C. BEJINARIU, C. MUNTEANU, C.D. FLOREA, B. ISTRATE, N. CIMPOESU, A. ALEXANDRU, <b>A.V. SANDU</b> , Electro-chemical 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 <a href="#">FI: 1.605</a>	P = 6/7=	0.86
Ra10.	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. <a href="#">FI: 1.393</a>	P = 6/6=	1.00
Ra11.	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. <a href="#">FI: 1.393</a>	P = 6/4=	1.50
Ra12.	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. <a href="#">FI: 1.605</a>	P = 6/4=	1.50
Ra13.	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. <a href="#">FI: 1.605</a>	P = 6/9=	0.67
Ra14.	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 <a href="#">FI: 1.393</a>	P = 6/7=	0.86
Ra15.	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 <a href="#">FI: 1.393</a>	P = 6/5=	1.20
Ra16.	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. <a href="#">FI: 1.605</a>	P = 6/6=	1.00
Ra17.	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. <a href="#">FI: 1.605</a>	P = 6/5=	1.20
Ra18.	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. <a href="#">FI: 1.605</a>	P = 6/4=	1.50
Ra19.	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. <a href="#">FI: 1.605</a>	P = 6/6=	1.00
Ra20.	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-	P = 6/5=	1.20

74. <a href="#">FI: 1.355</a>		
Ra21. 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. <a href="#">FI: 1.605</a>	P = 6/6=	1.00
Ra22. 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> , 54, 4, 2017, p. 759-763. <a href="#">FI: 1.393</a>	P = 6/4=	1.50
Ra23. 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> , 68, 11, 2017, p. 2662-2671. <a href="#">FI: 1.605</a>	P = 6/7=	0.86
Ra24. 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> , 68, 10, 2017, pp. 2329-2333. <a href="#">FI: 1.605</a>	P = 6/4=	1.50
Ra25. 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> , 68, 10, 2017, pp. 2367-2372. <a href="#">FI: 1.605</a>	P = 6/6=	1.00
Ra26. M. NABIALEK, K. BLOCH, M. SZOTA, A.V. SANDU, <i>Structure and Magnetic Properties of Composite Toroids Powder Casted</i> , <b>MATERIALE PLASTICE</b> , 54, 3, 2017, p. 491-494. <a href="#">FI: 1.393</a>	P = 6/4=	1.50
Ra27. 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> , 54, 3, 2017, p. 539-542. <a href="#">FI: 1.393</a>	P = 6/5=	1.20
Ra28. 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> , 54, 3, 2017, p. 543-545. <a href="#">FI: 1.393</a>	P = 6/6=	1.00
Ra29. 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> , 54, 3, 2017, p. 574-577. <a href="#">FI: 1.393</a>	P = 6/7=	0.86
Ra30. 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> , 68, 9, 2017, p. 1978-1982. <a href="#">FI: 1.605</a>	P = 6/6=	1.00
Ra31. 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> , 68, 9, 2017, p. 2162-2165. <a href="#">FI: 1.605</a>	P = 6/3=	2.00
Ra32. 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> , 68, 8, 2017, p. 1908-1913. <a href="#">FI: 1.605</a>	P = 6/5=	1.20
Ra33. 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> , 68, 7, 2017, p. 1568-1572. <a href="#">FI: 1.605</a>	P = 6/5=	1.20
Ra34. 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> , 54, 2, 2017, p. 375-379. <a href="#">FI: 1.393</a>	P = 6/7=	0.86
Ra35. 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> , 68, 4, 2017, p. 675-679. <a href="#">FI: 1.605</a>	P = 6/4=	1.50
Ra36. 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> , 54, 1, 2017, p. 145-154. <a href="#">FI: 1.393</a>	P = 6/7=	0.86
Ra37. K. GRUSZKA, M. NABIALEK, M. SZOTA, P. VIZUREANU, M.M.A.		0.86



	ABDULLAH, K. BLOCH, <b>A.V. SANDU</b> , <i>The Study of Magnetization in Strong Magnetic Fields for Fe<sub>62-x</sub>Co<sub>10</sub>Nb<sub>x</sub>Y<sub>8</sub>B<sub>20</sub> (X=0, 1, 2) Alloys</i> , <b>REVISTA DE CHIMIE</b> , 68, 2, 2017, p. 265-268 <a href="#">IF:1.605</a>	P = 6/7=	
Ra38.	M. NABIALEK, P. PIETRUSIEWICZ, M. SZOTA, M.M.A. ABDULLAH, <b>A.V. SANDU</b> , <i>The Structure and Porosity of Fe<sub>62-x</sub>Co<sub>10</sub>W<sub>y</sub>Me<sub>x</sub>Y<sub>8</sub>B<sub>20-y</sub> 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. <a href="#">IF:1.605</a>	P = 6/5=	1.20
Ra39.	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 Ti<sub>10</sub>Zr alloy in biological and electrochemical systems in the presence of chitosan</i> , <b>RSC ADVANCES</b> , 7, 23, 2017, p. 13919-13927 <a href="#">FI: 3,049</a>	P = 6/8=	0.75
Ra40.	M.V. ADUMITROAEI, T. GAVRILLOAIEI, <b>A.V. SANDU</b> , G.O. IANCU, <i>Distribution of Mineral Nitrogen Compounds in Groundwater in Vaslui County (Romania)</i> , <b>REVISTA DE CHIMIE</b> , 67, 12, 2016, p. 2530-2536. <a href="#">IF:1.605</a>	P = 6/4=	1.50
Ra41.	G.G. BALAN, L. PAVEL, <b>A.V. SANDU</b> , G. STEFANESCU, A.V. TRIFAN, <i>Preliminary Study on Erosion of Polymer Coatings of Duodenoscopes</i> , <b>MATERIALE PLASTICE</b> , 53, 4, 2016, p. 791-795. <a href="#">IF:1.393</a>	P = 6/5=	1.20
Ra42.	C.P. PAPADATU, I.G. SANDU, M. BORDEI, M. NABIALEK, <b>A.V. SANDU</b> , <i>Influence of the Cooling Regime on the Characteristics of Plasticity in the Case of Steel for Metal Structures</i> , <b>MATERIALE PLASTICE</b> , 53, 4, 2016, p. 771-775. <a href="#">IF:1.393</a>	P = 6/5=	1.20
Ra43.	G. PANCU, S. ANDRIAN, G. IOVAN, I. NICA, A. GHIORGHE, <b>A.V. SANDU</b> , S. STOLERIU, <i>Study Regarding the Influence of Different Fluoride Compounds on Dental Hard Tissues Resistance to Acid Challenge</i> , <b>REVISTA DE CHIMIE</b> , 67, 11, 2016, p. 2351-2354. <a href="#">IF:1.605</a>	P = 6/7=	0.86
Ra44.	C.P. PAPADATU, <b>A.V. SANDU</b> , M. BORDEI, I.G. SANDU, <i>Improvement of the Properties Through Monitoring of the Cooling Regimes Applied to Steel for Metal Sculptures</i> , <b>REVISTA DE CHIMIE</b> , 67, 11, 2016, p. 2306-2310. <a href="#">IF:1.605</a>	P = 6/4=	1.50
Ra45.	L. GAVRILA, A. BALAN, A. MURARIU, A.V. SANDU, C. SAVIN, <i>In vitro Study Regarding the Effect of Various Commercial Remineralizing Products on Primary and Permanent Teeth Dentine Caries Lesions</i> , <b>REVISTA DE CHIMIE</b> , 67, 11, 2016, p. 2228-2230. <a href="#">IF:1.605</a>	P = 6/5=	1.20
Ra46.	M.S. BALTATU, P. VIZUREANU, R. CIMPOESU, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , <i>The Corrosion Behavior of TiMoZrTa Alloys Used for Medical Applications</i> , <b>REVISTA DE CHIMIE</b> , 67, 10, 2016, p. 2100-2102. <a href="#">IF:1.605</a>	P = 6/5=	1.20
Ra47.	N. RAHMAT, M.A. SABALI, <b>A.V. SANDU</b> , N. SAHIRON, I.G. SANDU, <i>Study of Calcination Temperature and Concentration of NaOH Effect on Crystallinity of Silica from Sugarcane Bagasse Ash (SCBA)</i> , <b>REVISTA DE CHIMIE</b> , 67, 9, 2016, p. 1872-1875. <a href="#">IF:1.605</a>	P = 6/5=	1.20
Ra48.	M. MASAE, L. SIKONG, P. KONGSONG, C. PHOLTHAWON, N. PAWANWATCHARAKORN, M.M.A. ABDULLAH, <b>A.V. SANDU</b> , <i>Super Hydrophilicity and Photocatalytic Activity of Potassium Doped TiO<sub>2</sub> Nanoparticulate Films</i> , <b>REVISTA DE CHIMIE</b> , 67, 9, 2016, p. 1884-1890. <a href="#">IF:1.605</a>	P = 6/7=	0.86
Ra49.	G.E. POPITA, C. ROSU, O. CORBU, A. POPOVICI, <b>A.V. SANDU</b> , M. PROOROCU, M.A. NICULA, <i>Lead Migration Tendancy in Composite Materials with E-Waste Glass Embedded</i> , <b>MATERIALE PLASTICE</b> , 53, 3, 2016, p. 375-377. <a href="#">IF:1.393</a>	P = 6/7=	0.86
Ra50.	M. G. MINCIUNA, P. VIZUREANU, D.C. ACHIȚEI, A.V. SANDU, <i>The advanced characterization of a new alloy by Co-Cr-Mo system</i> , <b>JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS</b> , 18, 7-8, 2016, p. 717-722. <a href="#">IF:0.588</a>	P = 6/4=	1.50
Ra51.	C. NEJNERU, M.C. PERJU, <b>A.V. SANDU</b> , M. AXINTE, M. QUARANTA, I. SANDU, M. COSTEA, M.M.A. ABDULLAH, <i>Corrosion Behaviour of Tin Bronze for Shipbuilding Industry</i> , <b>REVISTA DE CHIMIE</b> , 67, 6, 2016, p. 1191-1194. <a href="#">IIF:1.605</a>	P = 6/8=	0.75
Ra52.	G.E. POPITA, C. ROSU, D. MANCIULA, O. CORBU, A. POPOVICI, O.	P = 6/9=	0.67

	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 <a href="#">IF:1.393</a>		
Ra53.	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 Fe <sub>61</sub> Co <sub>10</sub> Zr <sub>2.5</sub> Hf <sub>2.5</sub> Me <sub>2</sub> W <sub>2</sub> B <sub>20</sub> (where Me = Mo, Nb, Ni OR Y) Ribbons, <b>ARCHIVES OF METALLURGY AND MATERIALS</b> , 61, 2, 2016, p. 641-644 <a href="#">IF:0.697</a>	P = 6/13=	0.46
Ra54.	O. PARTENI, <b>A.V. SANDU</b> , C.D. RADU, L. OCHIUZ, C.M. LUCA, M. BOGDAN, C. REZUS, E. ULEA, Study on Performing an Optimal Chitosan Cased Hydrogel for a New System of Controlled Release of Honokiol, <b>REVISTA DE CHIMIE</b> , 67, 5, 2016, 911-915. <a href="#">IIF:1.605</a>	P = 6/8=	0.75
Ra55.	A.A. KADIR, A.S. ABDUL RAHIM, I.G. SANDU, M.M.A. ABDULLAH, <b>A.V. SANDU</b> , Leachate Characteristic of Mosaic Sludge Brick, <b>REVISTA DE CHIMIE</b> , 67, 5, 2016, 978-983. <a href="#">IIF:1.605</a>	P = 6/5=	1.20
Ra56.	A.A. KADIR, A. BENLAMOUDI, I.G. SANDU, M.M.A. ABDULLAH, <b>A.V. SANDU</b> , Leachability of Lead by Incorporation of Treated and Untreated Sugarcane Bagasse in Solidification/stabilization Method A comparative study, <b>REVISTA DE CHIMIE</b> , 67, 4, 2016, 673-678. <a href="#">IIF:1.605</a>	P = 6/5=	1.20
Ra57.	I.A. ZAKARYA, I. ABUSTAN, N. ISMAIL, T.N.T. IZHAR, S.Y. YUSUF, <b>A.V. SANDU</b> , A Study on Relationship Between Volatile Fatty Acids Concentrations and Methane Gas Production in Two-Phase Reactor, <b>REVISTA DE CHIMIE</b> , 67, 4, 2016, 774-778 <a href="#">IIF:1.605</a>	P = 6/6=	1.00
Ra58.	N.N.A.N. ADIK, O.H. LIN, H.M. AKIL, <b>A.V. SANDU</b> , A. VILLAGRACIA, N.G. SANTOS, Effects of Stearic Acid on Tensile, Morphological and Thermal Analysis of Polypropylene (PP)/Dolomite (Dol) Composites, <b>MATERIALE PLASTICE</b> , 53, 1, 2016, pp. 61-64. <a href="#">IF:1.393</a>	P = 6/6=	1.00
Ra59.	A.BALAN, C. SAVIN, <b>A.V. SANDU</b> , S. STOLERIU, Study Regarding the Behaviour of Glass-ionomer Cements in Different Acidic Solutions, <b>MATERIALE PLASTICE</b> , 53, 1, 2016, pp. 100-103. <a href="#">IF:1.393</a>	P = 6/4=	1.50
Ra60.	M.G. MINCIUNA, P. VIZUREANU, M. MARES, V. NASTASA, D.C. ACHITEI, <b>A.V. SANDU</b> , Biocompatibility Study of CoCrMoSi Original Alloy Variants, <b>REVISTA DE CHIMIE</b> , 67, 2, 2016, 362-365. <a href="#">IIF:1.605</a>	P = 6/6=	1.00
Ra61.	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 <a href="#">IF:1.13</a>	P = 6/5=	1.20
Ra62.	M.G. MINCIUNA, P. VIZUREANU, D.C. ACHITEI, <b>A.V. SANDU</b> , A. BERBECARU, I.G. SANDU, Structural characterization and properties analysis of CoCrMoSi Alloys, <b>JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS</b> , 18, 1-2, 2016, 174-178. <a href="#">IF:0.588</a>	P = 6/6=	1.00
Ra63.	R. AHMAD, M.M.A.B. ABDULLAH, K. HUSSIN, <b>A.V. SANDU</b> , M. BINHUSSAIN, N.A. JAYA, Processing and Properties Of Polymer Filled Geopolymer Ceramics Fabricated Via Powder Metallurgy Method: A Review, <b>REVIEWS ON ADVANCED MATERIALS SCIENCE</b> , 44, 1, 2016, 26-32. <a href="#">IF:1.828</a>	P = 6/6=	1.00
Ra64.	K. EARAR, D. CERGHIZAN, <b>A.V. SANDU</b> , M.N. MATEI, R. LEATA, I.G. SANDU, C. BEJINARIU, M. COMAN, 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, <b>MATERIALE PLASTICE</b> , 52, 4, 2015, pp. 487-493. <a href="#">IF:1.393</a>	P = 6/8=	0.75
Ra65.	A. POPOVICI, O. CORBU, G.E. POPITA, C. ROSU, M. PROOROCU, <b>A.V. SANDU</b> , M.M.A.B. ABDULLAH, Modern Mortars with Electronic Waste Scraps (Glass and Plastic), <b>MATERIALE PLASTICE</b> , 52, 4, 2015, pp. 588-592. <a href="#">IF:1.393</a>	P = 6/7=	0.86
Ra66.	G. PANCU, G. IOVAN, A. GHIORGHE, C. TOPOLICEANU, I. NICA, N. TOFAN, S. STOLERIU, A.V. SANDU, S. ANDRIAN, The Assessment of Biological Parameters and Remineralisation Potential of Saliva in Pregnancy, <b>REVISTA DE CHIMIE (Bucharest)</b> , 66, 12, 2015, pp. 2051-2056. <a href="#">IF:1.605</a>	P = 6/9=	0.67

Ra67. 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. <a href="#">IF:1.605</a>	P = 6/7=	0.86
Ra68. 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. <a href="#">IF:1.605</a>	P = 6/6=	1.00
Ra69. 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> , 66, 10, 2015, pp. 1595-1599. <a href="#">IF:1.605</a>	P = 6/9=	0.67
Ra70. <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. <a href="#">IF: 1,118</a>	P = 6/6=	1.00
Ra71. 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> , 66, 9, 2015, pp. 1443-1447. <a href="#">IF:1.605</a>	P = 6/6=	1.00
Ra72. 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> , 66, 8, 2015, pp. 1156-1161. <a href="#">IF:1.605</a>	P = 6/7=	0.86
Ra73. 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> , 66, 8, 2015, pp. 1222-1226. <a href="#">IF:1.605</a>	P = 6/6=	1.00
Ra74. 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> , 66, 7, 2015, pp. 1001-1003. <a href="#">IF:1.605</a>	P = 6/7=	0.86
Ra75. 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. <a href="#">IF:1.393</a>	P = 6/6=	1.00
Ra76. 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 Sheetting Dry Board with Geopolymer Concrete Infill</i> , <b>MATERIALE PLASTICE</b> , 52, 2, 2015, pp. 243-248. <a href="#">IF:1.393</a>	P = 6/6=	1.00
Ra77. 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. <a href="#">IF:1.605</a>	P = 6/7=	0.86
Ra78. 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, Na2SiO3-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. <a href="#">IF: 2.972</a>	P = 6/6=	1.00
Ra79. 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. <a href="#">IF:1.605</a>	P = 6/5=	1.20
Ra80. 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. <a href="#">IF:1.605</a>	P = 6/6=	1.00
Ra81. 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. <a href="#">IF:1.605</a>	P = 6/5=	1.20

Ra82.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. <a href="#">IF:1.605</a>	P = 6/6=	1.00
Ra83.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. <a href="#">IF:1.393</a>	P = 6/6=	1.00
Ra84.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. <a href="#">IF:1.393</a>	P = 6/5=	1.20
Ra85.I. SANDU, M. CANACHE, M., <b>A.V. SANDU</b> , M. CHIRAZI, T. MIHAESCU, L.E. CHECHERITA, I.G. SANDU, <i>The influence of NaCl aerosols on weight and height development of children</i> , <b>ENVIRONMENTAL MONITORING AND ASSESSMENT</b> , 187, no. 2, 2015, art. 15. <a href="#">IF: 1.959</a>	P = 6/7=	0.86
Ra86.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 <a href="#">IF: 1.828</a>	P = 6/7=	0.86
Ra87.I. SANDU, M. CANACHE, T. MIHAESCU, M. CHIRAZI, <b>A.V. SANDU</b> , L.M. TRANDAFIR, A.C. LUCA, L.E. CHECHERITA, <i>Influence of NaCl Aerosols on the Functional Characteristics of Children</i> , <b>REVISTA DE CHIMIE</b> , 66, 1, 2015, pp. 60-65. <a href="#">IF:1.605</a>	P = 6/8=	0.75
Ra88.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. <a href="#">IF:1.605</a>	P = 6/5=	1.20
Ra89.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. <a href="#">IF:1.605</a>	P = 6/3=	2.00
Ra90.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. <a href="#">IF:1.393</a>	P = 6/6=	1.00
Ra91.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. <a href="#">IF:1.393</a>	P = 6/6=	1.00
Ra92.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. <a href="#">IF:1.605</a>	P = 6/4=	1.50
Ra93.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. <a href="#">IF:1.605</a>	P = 6/8=	0.75
Ra94.I.G. SANDU, F.A. TENCARIU, D.M. VORNICU, <b>A.V. SANDU</b> , A. VORNICU, V. VASILACHE, I. SANDU, <i>Establishing the Archaeo-Metallurgic Ornamentation Process of an Axe From the Bronze Age by OM, SEM-EDX, and Micro-FTIR</i> , <b>MICROSCOPY RESEARCH AND TECHNIQUE</b> , 77, 11, 2014, pp. 918-927. <a href="#">IF: 1.327</a>	P = 6/7=	0.86
Ra95.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 medium</i> , <b>REVISTA DE CHIMIE</b> , 65, 10, 2014, pp. 1138-1141. <a href="#">IF:1.605</a>	P = 6/7=	0.86
Ra96.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. <a href="#">IF:1.393</a>	P = 6/8=	0.75



Ra97. 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. <a href="#">IF:1.393</a>	P = 6/7=	0.86
Ra98. 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. <a href="#">IF:1.605</a>	P = 6/6=	1.00
Ra99. 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. <a href="#">IF:1.605</a>	P = 6/8=	0.75
Ra100. 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. <a href="#">IF:1.393</a>	P = 6/6=	1.00
Ra101. 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. <a href="#">IF:1.393</a>	P = 6/6=	1.00
Ra102. 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. <a href="#">IF:1.605</a>	P = 6/5=	1.20
Ra103. 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. <a href="#">IF:1.605</a>	P = 6/6=	1.00
Ra104. 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. <a href="#">IF:1.605</a>	P = 6/5=	1.20
Ra105. 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. <a href="#">IF:1.605</a>	P = 6/7=	0.86
Ra106. 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. <a href="#">IF:1.605</a>	P = 6/5=	1.20
Ra107. 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. <a href="#">IF:1.605</a>	P = 6/5=	1.20
Ra108. 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. <a href="#">IF:1.605</a>	P = 6/6=	1.00
Ra109. 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 <a href="#">FI: 2.972</a>	P = 6/6=	1.00
Ra110. 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. <a href="#">IF:1.605</a>	P = 6/6=	1.00
Ra111. 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 <a href="#">FI: 3.206</a>	P = 6/7=	0.86

Ra112. 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. <a href="#">IF:1.393</a>	P = 6/7=	0.86
Ra113. 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. <a href="#">IF:1.605</a>	P = 6/7=	0.86
Ra114. <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. <a href="#">IF:1.605</a>	P = 6/7=	0.86
Ra115. 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. <a href="#">IF:1.605</a>	P = 6/5=	1.20
Ra116. 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. <a href="#">IF:1.605</a>	P = 6/7=	0.86
Ra117. 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. <a href="#">IF:1.393</a>	P = 6/5=	1.20
Ra118. 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. <a href="#">IF: 1.327</a>	P = 6/6=	1.00
Ra119. 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 <a href="#">IF: 0.588</a>	P = 6/7=	0.86
Ra120. 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. <a href="#">IF:1.605</a>	P = 6/4=	1.50
Ra121. 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. <a href="#">IF:1.605</a>	P = 6/7=	0.86
Ra122. 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. <a href="#">IF: 1.264</a>	P = 6/5=	1.20
Ra123. <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. <a href="#">IF: 1.327</a>	P = 6/5=	1.20
Ra124. 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. <a href="#">IF:1.605</a>	P = 6/6=	1.00
Ra125. 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. <a href="#">IF: 2.328</a>	P = 6/6=	1.00
Ra126. 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. <a href="#">IF: 1.327</a>	P = 6/4=	1.50
Ra127. M. POIANA, M. DOBROMIR, <b>A.V. SANDU</b> , V. GEORGESCU, <i>Investigation of Structural, Magnetic and Magnetotransport Properties of Electrodeposited</i>	P = 6/4=	1.50

	Co-TiO <sub>2</sub> Nanocomposite Films, <b>JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM</b> , 25, 7, 2012, pp. 2377-2387. <a href="#">IF: 1.13</a>		
Ra128.	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. <a href="#">IF:1.605</a>	P = 6/4=	1.50
Ra129.	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. <a href="#">IF:1.605</a>	P = 6/5=	1.20
Ra130.	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. <a href="#">IF:1.605</a>	P = 6/6=	1.00
Ra131.	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. <a href="#">IF: 1.13</a>	P = 6/4=	1.50
Ra132.	<b>A.V. SANDU</b> , C. CODDET, C. BEJINARIU, „ <i>Study on the chemical deposition on steel of zinc phosphate with other metallic cations and hexamethilen tetramine. I. Preparation and structural and chemical characterization</i> ”, <b>JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS</b> , 14, 7-8, 2012, 699 - 703. <a href="#">IF: 0.588</a>	P = 6/3=	2.00
Ra133.	<b>A.V. SANDU</b> , A. CIOMAGA, G. NEMTOI, C. BEJINARIU, I. SANDU, „ <i>Study on the chemical deposition on steel of zinc phosphate with other metallic cations and hexamethilen tetramine. II. Evaluation of corrosion resistance</i> ”, <b>JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS</b> , 14, 7-8, 2012, 704-708. <a href="#">IF: 0.588</a>	P = 6/5=	1.20
Ra134.	<b>A.V. SANDU</b> , C. CODDET, C. BEJINARIU, <i>A Comparative Study on Surface Structure of Thin Zinc Phosphates Layers Obtained Using Different Deposition Procedures on Steel</i> , <b>REVISTA DE CHIMIE</b> , 63, 4, 2012, pp. 401-406. <a href="#">IF:1.605</a>	P = 6/3=	2.00
Ra135.	M. POIANA, L. VLAD, P. PASCARIU, <b>A.V. SANDU</b> , V. NICA, V. GEORGESCU, <i>Effects of current density on morphology and magnetic properties of Co-TiO<sub>2</sub> electrodeposited nanocomposite films</i> , <b>OPTOELECTRONICS AND ADVANCED MATERIALS, RAPID COMMUNICATIONS</b> , 6 (3-4), 2012, pp. 434-440 <a href="#">IF: 0.452</a>	P = 6/6=	1.00
Ra136.	A.M. SAVIUC-PAVAL, I. SANDU, I.M. POPA, A.V. SANDU, M. BREBU, I.G. SANDU <i>Obtaining and Characterization of New Ceramic Pigments for Polychrome Artistic Elements III. Thermogravimetric analysis</i> , <b>REVISTA DE CHIMIE</b> , 63, 3, 2012, pp. 275-284. <a href="#">IF:1.605</a>	P = 6/6=	1.00
Ra137.	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. <a href="#">IF: 1.13</a>	P = 6/3=	2.00
Ra138.	P. PASCARIU, S.I. TANASE, D. PINZARU, <b>A.V. SANDU</b> , V. GEORGESCU, <i>Preparation and magnetic properties of electrodeposited [Co/Zn] multilayer films</i> , <b>MATERIALS CHEMISTRY AND PHYSICS</b> , 131, 3, 2012, pp. 561-568. <a href="#">IF: 2.781</a>	P = 6/5=	1.20
Ra139.	A.M. SAVIUC-PAVAL, I. SANDU, I.M. POPA, I.G. SANDU, V. VASILACHE, A.V. SANDU, <i>Obtaining and Characterization of Ceramic Pigments for Polychrome Artistic Elements I. Synthesis and SEM-EDX and <math>\mu</math>-FTIR Analysis</i> , <b>REVISTA DE CHIMIE</b> , 63, 1, 2012, pp. 40-48. <a href="#">IF:1.605</a>	P = 6/6=	1.00
Ra140.	S. STOLERIU, G. IOVAN, A. GEORGESCU, <b>A.V. SANDU</b> , M. ROSCA, S. ANDRIAN, <i>Study regarding the effect of acid beverages and oral rinsing solutions on dental hard tissues</i> , <b>REVISTA DE CHIMIE</b> , 63, 1, 2012, pp. 68-73 <a href="#">IF:1.605</a>	P = 6/6=	1.00
Ra141.	F. IACOMI, G. CALIN, C. SCARLAT, M. IRIMIA, C. DOROFTEI, M. DOBROMIR, G.G. RUSU, N. IFTIMIE, <b>A.V. SANDU</b> , <i>Functional properties of nickel cobalt oxide thin films</i> , <b>THIN SOLID FILMS</b> , 520, 1, 2011, pp. 651-655. <a href="#">IF: 1.888</a>	P = 6/9=	0.67
Ra142.	S.I. TANASE, D. PINZARU(TANASE), P. PASCARIU, M. DOBROMIR, <b>A.V. SANDU</b> , V. GEORGESCU, <i>Effect of nitrogen addition on the morphology</i> ,	P = 6/6=	1.00

	<i>magnetic and magnetoresistance properties of electrodeposited Co, Ni and Co–Ni granular thin films onto aluminum substrates</i> , <b>MATERIALS CHEMISTRY AND PHYSICS</b> , 130, 2011, 327– 333. <a href="#">IF: 2.781</a>		
Ra143.	R. BOSINCEANU, F. IACOMI, <b>A.V. SANDU</b> , <i>Preparation in situ and characterization of zeolite enclosed nanoparticles</i> , <b>JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS</b> , 13, 9-10, 2011, 1095-1100. <a href="#">IF: 0.588</a>	P = 6/3=	2.00
Ra144.	C. TABACARU, A. CARLESCU, <b>A.V. SANDU</b> , M.I. PETCU, F. IACOMI, <i>Effect of Annealing and Gamma Irradiation on Clay Mineral Properties</i> , <b>REVISTA DE CHIMIE</b> , București, vol. 62, 4, 2011, pp. 427 – 431. <a href="#">IF:1.605</a>	P = 6/5=	1.20
Ra145.	D. PINZARU, S.I. TANASE, P. PASCARIU, <b>A.V. SANDU</b> , V. NICA, V. GEORGESCU, <i>Magnetic properties and giant magnetoresistance effect in [Fe/Pt]n granular multilayers</i> , <b>OPTOELECTRONICS AND ADVANCED MATERIALS – RC</b> , vol 5, no. 3-4, 2011, pp. 235-241. <a href="#">IF: 0.452</a>	P = 6/6=	1.00
Ra146.	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. <a href="#">IF:1.605</a>	P = 6/5=	1.20
Ra147.	C. LUCHIAN, M. NICULAU, 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. <a href="#">IF:1.605</a>	P = 6/6=	1.00
Ra148.	E.A. PERIANU, I.A. GORODEA, F. GHEORGHIEU, <b>A.V. SANDU</b> , A.C. IANCULESCU, 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. <a href="#">IF:1.605</a>	P = 6/8=	0.75
Ra149.	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. <a href="#">IF:1.605</a>	P = 6/6=	1.00
Ra150.	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. <a href="#">IF:1.605</a>	P = 6/6=	1.00
Ra151.	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. <a href="#">IF: 1.186</a>	P = 6/8=	0.75
Ra152.	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. <a href="#">IF:1.605</a>	P = 6/5=	1.20
Ra153.	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. <a href="#">IF: 1. 186</a>	P = 6/7=	0.86
Ra154.	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. <a href="#">IF: 3.507</a>	P = 6/6=	1.00
Ra155.	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. <a href="#">IF:1.605</a>	P = 6/6=	1.00
Ra156.	A.R. IORDAN, M. AIRIMIOAIEI, M.N.PALAMARU, C. GALASSI, <b>A.V.SANDU</b> , C.E. CIOMAGA, F. PRIHOR, L. MITOSERIU, A. IANCULESCU, <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>	P = 6/9=	0.67



	(ISSN 0955-2219), vol. 29, 13, (2009), p. 2807-2813. IF: 4.029		
Ra157. 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. IF:1.605	P = 6/4=	1.50	
Ra158. 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. IF:1.605	P = 6/6=	1.00	
Ra159. 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. IF:1.605	P = 6/5=	1.20	
Ra160. 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. IF:1.605	P = 6/6=	1.00	
Ra161. 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. IF: 0.588	P = 6/5=	1.20	
Ra162. 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. IF:1.605	P = 6/5=	1.20	
Ra163. 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. IF:1.605	P = 6/6=	1.00	
Ra164. 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. IF:1.605	P = 6/6=	1.00	
Ra165. 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), 40, (1), (2009), p. 143-156. IF: 1.53	P = 6/5=	1.20	
<b>SUBTOTAL articole in jurnale ISI cu factor de impact</b>		<b>178.35</b>	
		<b>Calcul</b>	<b>Punctaj 6/na</b>
<b>Articol publicat în revistă indexată în baze de date internaționale (BDI)</b>			
Rb1. B. JEŽ, M. NABIALEK, P. PIETRUSIEWICZ, K. GRUSZKA, K. BŁOCH, J. RZAČKI, 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: 3/11=	0.27	
Rb2. 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: 3/8=	0.38	
Rb3. D.C. ACHITEI, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , A.C. ȚUGUI, 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: 3/5=	0.6	

Rb4.	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: 3/6=	0.5
Rb5.	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: 3/5=	0.6
Rb6.	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: 3/6=	0.5
Rb7.	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: 3/5=	0.6
Rb8.	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: 3/7=	0.43
Rb9.	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: Materials Science and Engineering</b> , 209, 1, 2017, art no. 012080, (2017 International Conference on Innovative Research, ICIR 2017; Iasi; Romania).	P: 3/8=	0.38
Rb10.	N.A. JAYA, M.M.A. 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> , vol. 1887, 2017, UNSP 020063-1	P: 3/6=	0.5
Rb11.	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: 3/6=	0.5
Rb12.	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: 3/6=	0.5
Rb13.	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: 3/5=	0.6
Rb14.	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: 3/4=	0.75
Rb15.	R. AHMAD, M.M.A. ABDULLAH, K. HUSSIN, <b>A.V. SANDU</b> , <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	P: 3/4=	0.75

Materials Engineering and Technology (ICAMET) Taiwan 2016)				
Rb16.	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. <b>1835</b> , 2017, Article Number: UNSP 020026 (International Conference on Advanced Materials Engineering and Technology (ICAMET) Taiwan 2016).	P: 3/6=	0.5	
Rb17.	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. <b>1835</b> , 2017, Article Number: UNSP 020029 (International Conference on Advanced Materials Engineering and Technology (ICAMET) Taiwan 2016).	P: 3/6=	0.5	
Rb18.	S.N. ZAILAN, N. MAHMED, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , <i>Self-cleaning geopolymers 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: 3/4=	0.75	
Rb19.	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: 3/4=	0.75	
Rb20.	D.C. ACHIȚEI, 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: 3/6=	0.5	
Rb21.	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: 3/6=	0.5	
Rb22.	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: 3/6=	0.5	
Rb23.	V. PELIN, I. SANDU, M. MUNTEANU, C.T. IURCOVSCHI, S. GURLUI, <b>A.V. SANDU</b> , V. VASILACHE, M. BRANZILA, I.G. 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).	P: 3/9=	0.33	
Rb24.	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: 3/5=	0.6	
Rb25.	D.C. ACHITEI, M.G. MINCIUNA, M.M.A. ABDULLAH, <b>A.V. SANDU</b> , 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: 3/6=	0.5	
Rb26.	D.C. ACHITEI, A.M. MUSTAFA AL BAKRI, <b>A.V. SANDU</b> , P. VIZUREANU, <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: 3/4=	0.75	
Rb27.	D.C. ACHIȚEI, P. VIZUREANU, A.A. MINEA, M.M.A. ABDULLAH, M.G. MINCIUNA, <b>A.V. SANDU</b> , <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: 3/6=	0.5	
Rb28.	D.C. ACHITEI, <b>A.V. SANDU</b> , 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-	P: 3/5=	0.6	

145.		
Rb29. K. AZMI, M.N. DERMAN, A.M. MUSTAFA AL BAKRI, <b>A.V. SANDU</b> , <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: 3/4=	0.75
Rb30. 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: 3/4=	0.75
Rb31. 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. ( <a href="#">indexat ISI ESCI – fara factor</a> )	P: 3/5=	0.6
Rb32. 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 ( <a href="#">indexat ISI ESCI – fara factor</a> )	P: 3/5=	0.6
Rb33. 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. ( <a href="#">indexat ISI ESCI – fara factor</a> )	P: 3/5=	0.6
Rb34. 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. ( <a href="#">indexat ISI ESCI – fara factor</a> )	P: 3/4=	0.75
Rb35. M NABIALEK, B. JEŹ, K. JEŹ, P. PIETRUSIEWICZ, K. GRUSZKA, K. BŁOCH, J. GONDRO, J. RZĄCKI, 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> , IOP Conference Series: Materials Science and Engineering, 374, 1, 2018, art no. 012021, (2018 International Conference on Innovative Research, ICIR 2018; Iasi; Romania).	P: 3/11=	0.27
Rb36. A.M. TITU, <b>A.V. SANDU</b> , A.B. POP, C. CEOCEA, S. TITU, <i>Technical Parameters Modeling of a Gas Probe Foaming Using an Active Experimental Type Research</i> , IOP Conference Series: Materials Science and Engineering, 374, 1, 2018, art no. 012034, (2018 International Conference on Innovative Research, ICIR 2018; Iasi; Romania).	P: 3/5=	0.6
Rb37. 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> , IOP Conference Series: Materials Science and Engineering, 374, 1, 2018, art no. 012038, (2018 International Conference on Innovative Research, ICIR 2018; Iasi; Romania).	P: 3/5=	0.6
Rb38. 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> , IOP Conference Series: Materials Science and Engineering, 374, 1, 2018, art no. 012039, (2018 International Conference on Innovative Research, ICIR 2018; Iasi; Romania).	P: 3/5=	0.6
Rb39. 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> , IOP Conference Series: Materials Science and Engineering, 374, 1, 2018, art no. 012054, (2018 International Conference on Innovative Research, ICIR 2018; Iasi; Romania).	P: 3/5=	0.6
Rb40. 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> , IOP Conference Series: Materials Science and Engineering, 374, 1, 2018, art no. 012083, (2018 International Conference on Innovative Research, ICIR 2018; Iasi; Romania).	P: 3/4=	0.75
Rb41. 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> , IOP Conference Series: Materials Science and Engineering, 374, 1, 2018, art no.	P: 3/8=	0.38



012091, (2018 International Conference on Innovative Research, ICIR 2018; Iasi, Romania).		
Rb42. R.M. SAID, F.H. MOHAMAD JOHARI, M.A.A. MOHD SALLEH, <b>A.V. SANDU</b> , The Effect of Copper Addition on the Properties of Sn-0.7Cu Solder Paste, IOP Conference Series: Materials Science and Engineering, 318, 1, 2018, art no. 012062.	P: 3/4=	0.75
Rb43. R.M. SAID, M.A.A. MOHD SALLEH, N. SAUD, M.I.I. RAMLI, <b>A.V. SANDU</b> , Solidification behavior of Sn Cu based peritectic alloys: A short review, SOLID STATE PHENOMENA, 273 SSP, pp. 34-39	P: 3/5=	0.6
Rb44. N.A. JAYA, M.M.A.B. 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, AIP Conference Proceedings, 1887, 2017, art. 020063	P: 3/6=	0.5
Rb45. D.C. ACHITEI, P. VIZUREANU, M.G. MINCIUNĂ, M.A.B.A. MOHD, <b>A.V. SANDU</b> , Thermal Processing of a Titanium Alloy for Aeronautical Applications, MATERIALS SCIENCE FORUM, Vol. 907, 2017, pp. 214-219;	P: 3/5=	0.6
Rb46. S.C. FOCSĂNEANU, P. VIZUREANU, <b>A.V. SANDU</b> , M.S. BĂLTATU, Zirconia dental implant materials, MATERIALS SCIENCE FORUM, Vol. 907, 2017, pp. 99-103;	P: 3/4=	0.75
Rb47. D.C. ACHITEI, P. VIZUREANU, M.G. MINCIUNA, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , The analysis of metallic materials subjected to cycles of thermal and mechanical fatigue, KEY ENGINEERING MATERIALS, vol. 700, 2016, pp. 78-85	P: 3/5=	0.6
Rb48. 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, KEY ENGINEERING MATERIALS, vol. 700, 2016, pp. 86-92.	P: 3/5=	0.6
Rb49. 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, KEY ENGINEERING MATERIALS, vol. 700, 2016, pp. 183-196.	P: 3/6=	0.5
Rb50. 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", MATERIALS SCIENCE FORUM, Vol. 857, 2016, pp. 412-415.	P: 3/6=	0.5
Rb51. 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, MATERIALS SCIENCE FORUM, Vol. 857, 2016, pp. 431-436.	P: 3/6=	0.5
Rb52. 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, MATERIALS SCIENCE FORUM, Vol. 841, 2016, pp. 34-39.	P: 3/6=	0.5
Rb53. 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, KEY ENGINEERING MATERIALS, vol. 673, 2016, pp. 47-54.	P: 3/7=	0.43
Rb54. R. AHMAD, M.M.A.B. ABDULLAH, K. HUSSIN, <b>A.V. SANDU</b> , M. BINHUSAIN, M.I. AHMAD, N. A. JAYA, The Effect of Solid-To-Liquid Ratio and Temperature on Mechanical Properties of Kaolin Geopolymer Ceramics, KEY ENGINEERING MATERIALS, Vol 660, 2015, pp 23-27	P: 3/7=	0.43
Rb55. F.F. ZAINAL, K. HUSSIN, A. RAHMAT, M.M.A.B. ABDULLAH, S. RIZAM, M.T. SELIMIN, <b>A.V. SANDU</b> , The Electrical Resistivity of Geopolymer Paste by using Wenner Four Probe Method, KEY ENGINEERING MATERIALS, Vol 660, 2015, pp 28-33	P: 3/7=	0.43
Rb56. N. MAHMED, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , P. VIZUREANU, S.P. HANNULA, Synthesis of Nanosized Silica and Silver-doped Silica Nanoparticles for Heat Transfer Fluids Applications, KEY ENGINEERING MATERIALS, Vol 660, 2015, pp 155-160.	P: 3/5=	0.6
Rb57. S. STOLERIU, S. ANDRIAN, G. PANCU, I. NICA, <b>A.V. SANDU</b> , G. IOVAN, Study Regarding the Influence of Different Antiseptic Mouthwashes on Surface Roughness of Traditional Glass Ionomer Cements, KEY ENGINEERING MATERIALS, Vol 660, 2015, pp 165-169.	P: 3/6=	0.5

Rb58.	P. LAZĂR, C. BEJINARIU, <b>A.V. SANDU</b> , A.M. CAZAC, I.G. SANDU, Chemical Deposition of Thin Layers on Reinforcing Steel, KEY ENGINEERING MATERIALS, Vol 660, 2015, pp 213-218.	P: 3/5=	0.6
Rb59.	O. CORBU, A.M. IOANI, M.M.A.B. ABDULLAH, V. MEIȚĂ, H. SZILAGYI, <b>A.V. SANDU</b> , The pozzolanic activity level of powder waste glass in comparisons with other powders, KEY ENGINEERING MATERIALS, Vol 660, 2015, pp 237-243.	P: 3/6=	0.5
Rb60.	Z. YAHYA, K. HUSSIN, M.M.A.B. ABDULLAH, K.N. ISMAIL, R.A. RAZAK, <b>A.V. SANDU</b> , The Influence of NaOH Concentration on Molar Ratios of Palm Oil Boiler Ash based Geopolymer, APPLIED MECHANICS AND MATERIALS, Vols. 754-755, 2015, pp 245-250	P: 3/6=	0.5
Rb61.	S. STOLERIU, G. IOVAN, M.C. PERJU, <b>A.V. SANDU</b> , S. ANDRIAN, Study regarding the influence of polymerization mode of light unit on surface microhardness of composite resins, APPLIED MECHANICS AND MATERIALS, Vols. 754-755, 2015, pp. 271-275.	P: 3/5=	0.6
Rb62.	C. BEJINARIU, P. LAZĂR, <b>A.V. SANDU</b> , A.M. CAZAC, I.G. SANDU, O. CORBU, Enhancing properties of reinforcing steel by chemical phosphatation, APPLIED MECHANICS AND MATERIALS, Vols. 754-755, 2015, pp. 310-314.	P: 3/6=	0.5
Rb63.	O. CORBU, A. PUSKÁS, <b>A.V. SANDU</b> , A. IOANI, K. HUSSIN, I.G. SANDU, New Concrete with Recycled Aggregates from Leftover Concrete, APPLIED MECHANICS AND MATERIALS, Vols. 754-755, 2015, pp. 389-394.	P: 3/6=	0.5
Rb64.	I. HUȚANU, L. NICA, I. SANDU, V. VASILACHE, <b>A.V. SANDU</b> , Acrylic Binder Used for the Consolidation of Gilded Surfaces, APPLIED MECHANICS AND MATERIALS, Vols. 754-755, 2015, pp. 624-628.	P: 3/5=	0.6
Rb65.	M. MUNTEANU, I. SANDU, V. VASILACHE, <b>A.V. SANDU</b> , M.M.A.B. ABDULLAH, I.C.A. SANDU, Study of a XVIII-th century triptych: materials and technologies used and conservation state, APPLIED MECHANICS AND MATERIALS, Vols. 754-755, 2015, pp. 644-648.	P: 3/6=	0.5
Rb66.	N. FIFINATASHA, M.M.A.B. ABDULLAH, C.M.R. GHAZALI, K. HUSSIN, M. BINHUSSAIN, <b>A.V. SANDU</b> , Comparison Characterization of Geopolymer Source Materials for Coating Application, APPLIED MECHANICS AND MATERIALS, Vols. 754-755, 2015, pp. 664-670.	P: 3/6=	0.5
Rb67.	R AHMAD, M.M.A.B. ABDULLAH, K. HUSSIN, <b>A.V. SANDU</b> , M. BINHUSSAIN, N.A. JAYA, Fabrication of High Performance Geopolymer Ceramic Part I. Microstructural properties, APPLIED MECHANICS AND MATERIALS, Vols. 754-755, 2015, pp. 698-702.	P: 3/6=	0.5
Rb68.	R.A. CRISTACHE, <b>A.V. SANDU</b> , V. VASILACHE, I. SANDU, Thermal Degradation of a Wood Painting Support From XIXth Century, APPLIED MECHANICS AND MATERIALS, Vols. 754-755, 2015, pp. 703-707.	P: 3/4=	0.75
Rb69.	A.M. BUDU, R. CRISTACHE, <b>A.V. SANDU</b> , V. VASILACHE, M.M.A.B. ABDULLAH, Ion SANDU, Study of Coloured Lakes Used for the Covering of Silver Leaf in Ecclesial Art of the First Half of 19th Century, APPLIED MECHANICS AND MATERIALS, Vols. 754-755, 2015, pp. 714-718.	P: 3/6=	0.5
Rb70.	C. BEJINARIU, A.M. CAZAC, M.M.A.B. ABDULLAH, <b>A.V. SANDU</b> , P. LAZAR, Experimental Determination of Stress and Deformation Pressure in Nanostructuring Copper by Multiaxial Forging Method, APPLIED MECHANICS AND MATERIALS, Vols. 754-755, 2015, pp. 784-788.	P: 3/5=	0.6
Rb71.	A. PUSKÁS, O. CORBU, <b>A.V. SANDU</b> , M.M.A.B. ABDULLAH, Cementitious Composites Using Recycled Waste, APPLIED MECHANICS AND MATERIALS, Vols. 754-755, 2015, pp. 833-837.	P: 3/4=	0.75
Rb72.	I.S. GEORGESCU, S.I. URSACHE, E.R. BACIU, D. HRIȚCU, <b>A.V. SANDU</b> , C. BACIU, The Influence of Spraying Distance on the Chemical Composition of Arc Sprayed Layers, APPLIED MECHANICS AND MATERIALS, Vols. 754-755, 2015, pp. 865-868.	P: 3/6=	0.5
Rb73.	P. VIZUREANU, M.G. MINCIUNĂ, D.C. ACHIȚEI, <b>A.V. SANDU</b> , K. HUSSIN, Mechanical Behaviour of CoCrMo Alloy with Si Content, APPLIED MECHANICS AND MATERIALS, Vols. 754-755, 2015, pp. 1141-1145.	P: 3/5=	0.6
Rb74.	D.S.C. HALIN, K.R. AHMAD, K. HUSSIN, I.A. TALIB, A.R. DAUD, M.A.A. HAMID, <b>A.V. SANDU</b> , Characterization of Cuprous Oxide Thin Films Prepared by Sol-Gel Spin Coating Technique with Different Additives, APPLIED MECHANICS AND MATERIALS, Vols. 754-755, 2015, pp. 1017-1022.	P: 3/6=	0.5
Rb75.	D.C. ACHITEI, <b>A.V. SANDU</b> , M.M.A. BAKRI ABDULLAH, P.	P: 3/5=	0.6

VIZUREANU, H. KAMARUDIN, Study on Quenching and Artificial Ageing on Al-Si Alloy, MATERIALS SCIENCE FORUM, Vol. 803, 2015, pp 209-215.		
Rb76. A.M. CAZAC, M.M.A. BAKRI ABDULLAH, C. PREDESCU, <b>A.V. SANDU</b> , C. BEJINARIU, The Experimental Determination of the Friction Stress Between the Semi-Product and the Active Plate at the Multiaxial Forging of Copper, MATERIALS SCIENCE FORUM, Vol. 803, 2015, pp 216-221.	P: 3/5=	0.6
Rb77. M.M.A. BAKRI ABDULLAH, Z. YAHYA, M.F.M. TAHIR, K. HUSSIN, M. BINHUSSAIN, <b>A.V. SANDU</b> , Fly ash based lightweight geopolymer concrete using foaming agent technology, APPLIED MECHANICS AND MATERIALS, 679, 2014, pp. 20-24.	P: 3/6=	0.5
Rb78. A.B. AZEEZ, K.S. MOHAMMED, M.M.A. BAKRI ABDULLAH, <b>A.V. SANDU</b> , A. RAHMAT, K. HUSSIN, L. JAMALUDIN, Replacement of Lead by Green Tungsten-brass Composites as a Radiation Shielding Material, APPLIED MECHANICS AND MATERIALS, 679, 2014, pp. 39-44.	P: 3/7=	0.43
Rb79. N. CIORNEI, S. FERARU, I. BULIMESCU, <b>A.V. SANDU</b> , C. MITA, Influence of type of precursors on the sol-gel synthesis of the LaCoO3 nanoparticles, ACTA CHEMICA IASI, 22, Issue 1, 2014, pp. 1-12.	P: 3/5=	0.6
Rb80. A.A. KADIR, M.M. AL BAKRI ABDULLAH, <b>A.V. SANDU</b> , A.L.A. LATIF, K. HUSSIN, Usage of palm shell activated carbon to treat landfill leachate, INTERNATIONAL JOURNAL of CONSERVATION SCIENCE (Print ISSN 2067-533X, Online 2067-8223), 5, 1, (2014), p. 117-126;	P: 3/5=	0.6
Rb81. 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, INTERNATIONAL JOURNAL of CONSERVATION SCIENCE (Print ISSN 2067-533X, Online 2067-8223), 4, (SPL.ISS.), (2013), p. 710-714;	P: 3/4=	0.75
Rb82. 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, INTERNATIONAL JOURNAL of CONSERVATION SCIENCE (Print ISSN 2067-533X, Online 2067-8223), 4, (SPL.ISS.), (2013), p. 701-709;	P: 3/4=	0.75
Rb83. A. M. MUSTAFA AL BAKRI, M. T. MUHAMMAD FAHEEM, <b>A.V. SANDU</b> , A. ALIDA, M.A.A. SALLEH, C. M. RUZAIDI, Microstructure Studies on Different Types of Geopolymer Materials, APPLIED MECHANICS AND MATERIALS, 421, 2013, pp. 384-389.	P: 3/6=	0.5
Rb84. I. SANDU, V. COTIUGA, <b>A.V. SANDU</b> , A.C. CIOCAN, G.I. OLTEANU, V. VASILACHE, New Archaeometric Characteristics for Ancient Pottery Identification, INTERNATIONAL JOURNAL of CONSERVATION SCIENCE (Print ISSN 2067-533X, Online 2067-8223), Al.I.Cuza University of Iasi, 1, 2, (2010), p. 75-82;	P: 3/6=	0.5
Rb85. 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, INTERNATIONAL JOURNAL of CONSERVATION SCIENCE (Print ISSN 2067-533X, Online 2067-8223), Al.I.Cuza University of Iasi, 1, 1, (2010), p. 27-40;	P: 3/4=	0.75
<b>SUBTOTAL articole in jurnale indexate in baze de date internationale (SCOPUS+)</b>		<b>47.86</b>

Brevet de invenție acordat în străinătate (Republica Moldova)	Calcul	Punctaj 6/na
1. SANDU I., LUPASCU T., SANDU I.C.A., VASILACHE V., <b>SANDU A.V.</b> , BOTAN V., Method for reproducing the picture with reconstructed image, Patent MD469 (Y), 2012.	P = 6/6 =	1.00
2. SANDU I., LUPASCU T., SANDU I.C.A., VASILACHE V., <b>SANDU A.V.</b> , BOTAN V., Process for chromatic restoration of lacunary zones of old paintings, Patent MD409 (Y), 2011.	P = 6/6 =	1.00
3. HAGIU B.A., <b>SANDU A.V.</b> , LUPASCU T., CHIRAZI M., MANGALAGIU I., SANDU I., CIOBANU M., VASILACHE V., Powder with haemostatic and regenerative properties (variants) and process for the production thereof, Patent MD4117 (B1), 2011.	P = 6/8 =	0.75
4. HAGIU B.A., SANDU I., LUPASCU T., VASILACHE V., TURA V., MANGALAGIU I., <b>SANDU A.V.</b> , GONCIAR V., Process for the obtaining of an injection oil silver nanodispersion, Patent MD4106 (B1), 2011.	P = 6/8 =	0.75

5.	SANDU I., CANACHE M., LUPACU T., SANDU I.G., <b>SANDU A.V.</b> , VASILACHE V. Surface artificial halochamber, Patent MD 4040 (B1).	P = 6/6 =	1.00
6.	SANDU I., STIRBU C.M., LUPASCU T., STIRBU I.C., <b>SANDU A.V.</b> , Surface artificial microsalt mine, Patent MD 4039 (B1)	P = 6/5 =	1.20
7.	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 ignification and insectofungicization of age-old wood articles of art, Patent MD3986 F1/2009.11.31, 0051/2009, (AGEPI File a20080249/30.09.2008, Owner the Institute for Chemistry of the Academy R. Moldava of Kisinev);	P = 6/8 =	0.75
8.	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, Patent MD3966 B1/2009.10.31, (AGEPI File a2008 0051/2009/a20080249/30.09.2008, Owner the Institute for Chemistry of the Academy R. Moldava of Kisinev);	P = 6/8 =	0.75
9.	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 detemining the normal range of variation of hydric equilibrium, Patent MD5651G2/15.07.08 (AGEPI File a 2008 04975/19.05.2008, Owner the Institute for Chemistry of the Academy R. Moldava of Kisinev);	P = 6/9 =	0.67
10.	I.C.A. SANDU, I. SANDU, T. BOUNEGRU, I.G. SANDU, <b>A.V. SANDU</b> , Method of dating the old cellulose textile materials, Patent MD3325G2/31.05.2007 (AGEPI File a2006-0190/17.07.2006, Owner the State University of Kisinev);	P = 6/5 =	1.20
11.	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, Patent MD3296G2/30.04.2007 (AGEPI File a2006-0178/21.06.2006, Owner the State University of Kisinev);	P = 6/7 =	0.86
12.	I. SANDU, C. SAPARIUC, I.G. SANDU, T. BOUNEGRU, <b>A.V. SANDU</b> , Mini egg incubator of domestic use, Brevet MD 3197/05.12.2006;	P = 6/5 =	1.20
13.	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, Brevet MD 3052/04.06.2006;	P = 6/5 =	1.20
14.	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, Brevet MD 3008/31.03.2006	P = 6/5 =	1.20
15.	I. SANDU, T. BOUNEGRU, I. G. SANDU, G. ROMAN, <b>A.V. SANDU</b> , Procedeu de denocivizare a șlamului albastru rezultat la deferizarea vinurilor, Brevet MD: 2.741 F/30.04.2005	P = 6/5 =	1.20
<b>Brevet de invenție acordat în țară (indexat in Derwent – Web of Science)</b>		<b>Calcul</b>	<b>Punctaj 4/na</b>
16.	SANDU I., CANACHE M., CHIRAZI M., <b>SANDU A.V.</b> , MATEI P.N., VASILACHE V., MATEI A., SANDU I.G., Artificial halochamber for multiple users and reactivation process, RO128973-B1, 2017	P = 4/8 =	0.50
17.	SANDU I C A, VASILACHE V, SANDU I, VRINCEANU N, SANDU I G, CIOCAN A C, <b>SANDU A V</b> , SANDU A, Process for actively preserving old water-soaked wood, RO126102-B1, 2015	P = 4/8 =	0.50
18.	HAGIU B.A., <b>SANDU A.V.</b> , TURA V., SANDU I.G., MUNGIU O.C., SANDU I., Powder having hemostatic, antiseptic, wound-healing and regenerative capacities, Patent RO126087 (B1) , 2011.	P = 4/6 =	0.67
19.	HAGIU B.A.,TURA V., BALAU-MINDRU T., SANDU I., BALAU-MINDRU I., <b>SANDU A.V.</b> , Composite plaster with nanofibres functionalized with noble metals, Patent RO125083 (B1), 2011.	P = 4/6 =	0.67
20.	BEJINARIU C. SANDU, I., VASILACHE V., SANDU, I.G, BEJINARIU M.G., SANDU, A.V., SOHACIU M., VASILACHE, Viorica, Process for the micro-crystalline phosphate-coating of iron-based metal pieces, Patent RO125457-A2/28.05.2010,;	P = 4/8 =	0.50
21.	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, Patent RO125456-A2/28.05.2010	P = 4/8 =	0.50



	22. DEBELI M, <b>SANDU A V</b> , SANDU I, System For Musical Illumination And Personalization Of Menus, RO125443-B1, 2010	P = 4/3 =	1.33
	23. 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, Patent RO123077 (B1)/30.09.2010;	P = 4/6 =	0.67
	24. SANDU, I.G., DIMA, A., SANDU, I., ROIBU, L., SANDU, I.C.A., ROIBU, L.O., <b>SANDU, A.V.</b> , Process for Obtaining Artistic Patina by Chemical Passivation of Iron Parts Surfaces, Patent RO122303/30.03.2009 (Hot. nr. 3/254 din 30.11.2009, Dosar OSIM A00138/17.02.2004);	P = 4/7 =	0.57
	25. 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 saline aerosols, Brevet RO 122349/2008;	P = 4/8 =	0.50
	26. CIOBANU G, CIOBANU O, PASCU A, PASCU C, <b>SANDU A V</b> , SANDU I, SANDU I G, VASILE V, Method and device for in situ determining saline aerosols, RO122232-B1, 2009,	P = 4/8 =	0.50
	27. 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, Patent RO122135 B1/30.01.2009 (Hot. nr. 3/242/30.10.2008, Dosar OSIM 0137/17.02.2004);	P = 4/7 =	0.57
	28. 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, Patent RO121151/30.10.2006, (OSIM file A00989/2001, Owners the authors);	P = 4/4 =	1.00
	29. P.GRIEROSU, I.SANDU, D.COVATARIU, 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, Brevet RO 120975/30.10.2006	P = 4/8 =	0.50
	<b>TOTAL BREVETE</b>		<b>23.71</b>

A	<b>Creație artistică prezentată la manifestare recunoscută din străinătate</b>	
	...	
	<b>Creație artistică prezentată la manifestare recunoscută din țară</b>	
V	...	
	<b>Articol/studiu publicat în volumul unei manifestări științifice indexate în baze de date internaționale (BDI)</b>	<b>1.47</b>
	V1. I. SANDU, M. BRANZILA, <b>A.V. SANDU</b> , V. PELIN, V. VASILACHE, I.G. SANDU, BULETINI I SHKENCAVE GJEOLGJIKE (Tirana), (ISSN 0254-5276, ISSN 2306-9600), Volume 1, Special Sessions, 2014, p. 419, (Proceedings XX Congress of the Carpathian-Balkan Geological Association, September 23-26, 2014 Tirana Albania);	4/6= 0.67
	V2. D.C. ACHITEI, P. VIZUREANU, M.G. MINCIUNA, N. CIMPOESU, <b>A.V. SANDU</b> , Analysis of structural changes specific to Cu75Zn19Al5 alloy subjected to heat treatments, IOC 2014 Proceedings, The 46th International October Conference on Mining and Metalurgy, 2014, Bor, Serbia, 9, p. 428-432	4/5= 0.80
	...	
	<b>Articol/studiu publicat în volumul unei manifestări științifice neindexate în baze de date</b>	
E	Lucrare prezentata la simpozion/seminar/expozitie	
	<b>TOTAL B.</b>	<b>273.12</b>

**C. 4. Proiecte de cercetare-dezvoltare (P1, P2 etc.) pe bază de contract/ grant, precum și alte lucrări de cercetare-dezvoltare (F1, F2 etc.), după caz, prin care se aduc contribuții la dezvoltarea mediului educațional/ cultural/ economic/ social etc.**

**C. Calculul numărului de puncte pentru realizarea de proiecte de cercetare-dezvoltare pe bază de contract / grant**

	Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție internațională	Punctaj
	<b>Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție națională sau încheiate cu institute de cercetare, companii, regii, societăți comerciale</b>	
<b>P</b>	<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)	30
	<b>2. Membru : Sandu Andrei Victor</b> Director de proiect: Manea Liliana Rozemarie, Bridge Grant PNCDI III, Nr. 46BG/1016 2016-2018 Titlul: Tehnologii performante pentru obținerea de structuri 3D cu aplicații în securitate Valoare totală: 460.000 lei	30
<b>F</b>	<b>Alte lucrări de proiectare-cercetare-dezvoltare</b>	
	F1	
	F2	
	<b>TOTAL C</b>	<b>60</b>

**Note:**

(1) Fiecare lucrare este prezentată, în limba în care a fost publicată / expusă, corespunzător structurii "I, II, III, IV, V, VI", unde:

- I - indicativul ( T1, T2 etc.; Ca1, Ca2 etc.; ...), care se scrie "bold" la lucrările realizate după acordarea ultimului titlu didactic/ grad profesional (**Ca1, I1** etc., după caz);
- II - autorii în ordinea din publicație, cu scriere "bold" **a candidatului**;
- III - *titlul*, scris "italic";
- IV - editura sau revista sau manifestarea și/sau alte elemente de localizare, după caz;
- V - intervalul de pagini din publicație, respectiv, pp ...-..., numărul total de pagini, respectiv, ... pg., sau alte date similare, după caz;
- VI - anul sau perioada de realizare, după caz;

- (2) În cadrul fiecărui grup de lucrări (Ca1, Ca2 etc.; I1, I2 etc. ; ...), lucrările sunt în ordine invers cronologică;
- (3) În cazul în care o grupă de lucrări nu se regăsește în activitatea candidatului, respectiva grupă poate fi eliminată din listă;
- (4) Candidații au libertatea să completeze lista și cu alte grupe de lucrări.

**Data: 20.07.2019**

**Candidat,**  
Andrei Victor SANDU