

Concurs pentru ocuparea postului poz. 10 , de conferentiar,
 Departamentul de Inginerie Chimica ,
 Facultatea de Inginerie Chimica si Protectia Mediului 'Cristofor Simionescu',
 Disciplinele: Chimie Anorganica,
 Domeniul Chimie Anorganica ,
 Post publicat în Monitorul Oficial al României Partea a III-a nr. 782 din data de 24.11.2020

LISTA DE LUCRĂRI

Candidat: Rusu Iulian-Lica - **Dr./** din 1999, sef de lucrari din 1999

1^o Teza(-ele) de doctorat (T1, T2)

Compusi oxidici cu proprietati speciale, 1998, UTI, Chimie Anorganica, Prof. Rosca Ioan
 (inclusiv anul, universitatea, domeniul, conducătorul de doctorat)

2^o 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.*

Ca	Carte/ curs/ manual publicată în străinătate	Punctaj
	Ca1	
	Ca2	
	Capitol carte/ curs/ manual publicat în străinătate	
	...	
	Carte/ curs/ manual publicată în editură recunoscută CNCS (unic/ prim autor sau co-autor)	
	Ca1 I. Rusu , Chimia Anorganica la Leeds, ed. 2 (revazuta si adaugita), MatrixRom, Bucuresti, 2004, 280 pp, ISBN 973-685-821-9.	14
	...	
	Capitol curs/ manual publicat în editură recunoscută CNCS	
I	Îndrumar/ culegere de probleme (publicat sau disponibil pe Web)	
	I1 Teste grila si cuvinte cheie pentru cautare (http://www.didactic.icpm.tuiasi.ro/cv/rusuiulian/download/ChimieAnorganica-testesicuvintechie.pdf)	1
	I2	
D	Sisteme de laborator funcționale	
	D1 Sinteza si proprietatile unor oxizi metalici	2
	D2 Utilizarea calculatorului in studiul Chimiei Anorganice (programme: FORMULA, VALENTA, CONFIGURATII ELECTRONICE, TEST SOLUTII, ACIZI, MENDELEEV)	1,5
	D3 Donatie Bibliotecii UTI - casete video de la Universitatea din Leeds cu lucrari practice de Chimie Anorganica	1
W	Utilizarea sistemelor de predare/ învățare/ evaluare de tip e-learning/ on-line/ multimedia etc.	
	W1 Suport de curs Chimie Anorganica (disponibil pe web), 255 pp (http://www.didactic.icpm.tuiasi.ro/cv/rusuiulian/download/ChimieAnorganica.pdf)	2,55
	W2	
M	
	M1	
	M2	
Total		22,05

3^o 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*.

Cb	Carte de specialitate publicată în editură din străinătate	Punctaj
	Cb1	
	Cb2	
	Capitol carte de specialitate publicată în editură din străinătate	
	...	
	Carte de specialitate/ capitol publicat în editură din țară, recunoscută CNCS	
R	...	
	Articol publicat în revistă cotate ISI, cu factor de impact	
	R1 M. Palamaru, I. Rusu , M.L. Craus and A. Mares, Synthesis and characterization by thermogravimetric data of an $A_2BB'O_6$ type oxide based on Sr, Mg and Mo, Journal of the Serbian Chemical Society, 58(2) (1993) 117-122.	6/4 = 1,5
	R2 M. Palamaru, M.L. Craus and I. Rusu , Contributions to the synthesis and structure determination of Sr_2MgMoO_6 , J. Serb. Chem. Soc. 58(12) (1993) 1045-1049.	6/3 = 2
	R3 M. Palamaru, I. Rusu , L. Pruna and C. Ciobanu, A comparative study by thermal analysis of polyurethanes interacted with metallic ions, Thermochimica Acta, 230 (1993) 235-242.	6/4 = 1,5
	R4 M. Palamaru, I. Rusu , L. Pruna and C. Ciobanu, A thermal degradation comparative analysis of polyesterurethanes based on 4,4'-diphenylmethane diisocyanate interacted with 'd' block metallic ions, Thermochim. Acta, 235 (1994) 217-223.	6/4 = 1,5
	R5 I. Rosca, D. Sutiman, A. Cailean, M. Vizitiu, I. Rusu and D. Sibiescu, Studies regarding the thermal stability of some coordination polymers. Polydiphenylphosphinates and polydialkylphosphinates of Cr(III), Fe(III), Mn(II), Co(II), Ni(II) and UO_2^{2+} , Thermochim. Acta, 269 (1995) 295-305.	6/6 = 1
	R6 I. Rosca, A. Cailean, D. Sutiman, M. Vizitiu and I. Rusu , Studies regarding the behaviour of carbon materials in very aggressive inorganic systems. The behaviour in acid systems (in Romanian), Textile Industry (Industria Textila), 47(1) (1996) 32-35.	6/5 = 1,2
	R7 A. Cailean, I. Rosca, D. Sutiman, M. Vizitiu and I. Rusu , Studies regarding the behaviour of carbon materials in very aggressive inorganic systems. The behaviour in base systems (in Romanian), Textile Industry (Industria Textila), 47(2) (1996) 100-102.	6/5 = 1,2
	R8 I. Rosca, A. Cailean, D. Sutiman, M. Vizitiu and I. Rusu , Studies regarding the behaviour of carbon materials in very aggressive inorganic systems. The behaviour in oxidizing systems (in Romanian), Textile Industry (Industria Textila), 47(4) (1996) 222-224.	6/5 = 1,2
	R9 I. Rosca, D. Sutiman, A. Cailean, M. Vizitiu, D. Sibiescu and I. Rusu , Synthesis and study of some coordination polymers of Rh(II) with diphenylphosphinic acid derivatives as ligands, Revue Roumaine de Chimie, 42(7) (1997) 615-620.	6/6 = 1
	R10 M.L. Craus, M. Palamaru, A. Cecal, I. Rusu and A. Iordan, Structural changes in the perovskitic compounds series $Sr_2Mg_{1-x}M_x^{II}MoO_6$, Journal de Physique IV France, 7 (1997) 375-376.	6/5 = 1,2
	R11 I. Rosca, A. Cailean, D. Sutiman, I. Rusu , I. Sîrghie and E. Dumitriu, Thermal stability of some aluminium chelate complexes, Thermochim. Acta, 303 (1997) 1-3.	6/6 = 1

R12 L.G. Bujoreanu, M.L. Craus, I. Rusu , S. Stanciu and D. Sutiman, On the α -phase preferred recrystallization in a Cu-Zn-Al based shape alloy, Journal of Alloys and Compounds, 278 (1998) 190-193.	6/5 = 1,2
R13 V. Bulacovschi, A. Stanciu, I. Rusu , A. Cailean and F. Ungureanu, Thermal stability and the behaviour in organic solvents of some poly(ester-siloxane)urethanes, Polymer Degradation and Stability, 60 (1998) 487-491.	6/5 = 1,2
R14 D. Sutiman, I. Cretescu, A. Cailean, I. Rusu , T. Cioroianu and O. Georgescu, Behaviour of low alloyed steels in organic systems in the presence of water and adipic acid (in romanian), Revista de Chimie (Rev. Chim-Bucharest), 49(11) (1998) 813-818.	6/6 = 1
R15 D. Sutiman, M.L. Craus, I. Rusu , A. Cailean, I. Cretescu, M. Vizitiu and M. Macoviciuc, Water influence on the behaviour of low alloyed steels in organic solutions of ethylene glycol and succinic acid, Rev. Chim-Bucharest, 50(1) (1999) 33-37.	6/7 = 0,85
R16 I. Rosca, N. Foca, E. Stefancu, D. Sutiman, A. Cailean, I. Rusu , D. Sibiescu and M. Vizitiu, Synthesis and study of some new Co(II) polyphosphinates. Determination of the kinetic parameters for the thermal decomposition reactions, Journal of Thermal Analysis and Calorimetry, 56 (1999) 401-406.	6/8 = 0,75
R17 D. Sutiman, I. Cretescu, I. Rusu and A. Cailean, Stability of low-alloy steels in ethyleneglycol-methanol and n-butyric acid at low water concentrations (in Romanian), Rev. Chim-Bucharest, 51(11) (2000) 889-892.	6/4 = 1,5
R18 J.M. Cormier and I. Rusu , Syngas production via methane steam reforming with oxygen: plasma reactors versus chemical reactors, Journal of Physics D: Applied Physics, 34 (2001) 2798-2803.	6/2 = 3
R19 I. Rosca, I. Rusu , A. Cailean, D. Sutiman, D. Sibiescu, M. Vizitiu and M.J. Smith, Aspects regarding the synthesis mechanism and kinetics of some co-ordination polymers, Phosphorus, Sulfur, Silicon and Related Elements, 168/169 (2001) 433-436.	6/7 = 0,85
R20 M.L. Craus, I. Rusu , A. Rusu, N. Apostolescu, On the possible pyrochlore to Aurivillius phase transition in the complex oxide $\text{CaCd}_2\text{Bi}_2\text{Nb}_4\text{O}_{15}$, J. Phys. IV, 90 (2001)	6/4 = 1,5
R21 P. Pissis, G. Apostolescu, A. Cailean, G. Polizos, I. Rosca, N. Apostolescu and I. Rusu , Influence of some thermal stabilizers on the dielectric properties of poly(vinyl chloride), Przegląd Elektrotechniczny, 77 (2001) 187-188.	6/7 = 0,85
R22 A. Rusu and I. Rusu , Study regarding the possible synthesis of bismuth complexes with clarithromycin, Journal of Inorganic Biochemistry, 86 (2001) 412.	6/2 = 3
R23 J.M. Cormier, I. Rusu and A. Kaminska, On the use of electric discharge reactors for the syngas production by steam reforming, High Temperature Material Processes, 6 (2002) 421-429.	6/3 = 2
R24 I. Rusu and J.M. Cormier, On a possible mechanism of the methane steam reforming in a gliding arc reactor, Chemical Engineering Journal, 91 (2003) 23-31.	6/2 = 3
R25 I. Rusu and J.M. Cormier, Study of a rotarc plasma reactors stability by means of electric discharge frequency analysis, International Journal of Hydrogen Energy, 28 (2003) 1039-1043.	6/2 = 3
R26 M.L. Craus, I. Rusu and A. Rusu, On some mixed oxides in the system $\text{CaO-CdO-Bi}_2\text{O}_3\text{-Nb}_2\text{O}_5$. Cation distribution in a distorted Aurivillius structure, Journal of Optoelectronics and Advanced Materials, 5 (2003) 653-656.	6/3 = 2

R27 I. Rusu , M.L. Craus, D. Sutiman and A. Rusu, On the possible formation of Aurivillius phases in the oxide system $\text{Bi}_2\text{O}_3\text{-ZnO-Nb}_2\text{O}_5$, J. Serb. Chem. Soc., 69(1) (2004) 53-58.	6/4 = 1,5
R28 N. Foca, G. Lisa and I. Rusu , Synthesis and characterization of some Cr(III), Fe(III) and Zr(IV) compounds with substituted o-hydroxy benzophenone, J. Therm. Anal. Calorim., 78(1) (2004) 239-249.	6/3 = 2
R29 I. Rusu and J.M. Cormier, Plasma reactors as an alternative for the classic technologies - Methane steam reforming with oxygen in a magnetic blow out glidarc reactor, Environmental Engineering and Management Journal, 3(4) (2004) 761-769.	6/2 = 3
R30 I. Rusu and M.L. Craus, Preparation of $\text{Cd}_2\text{GaNbO}_6$ perovskite oxide: a possible substrate for high T_c superconductors, J. Optoelectron. Adv. M., 6(4) (2004) 1311-1315.	6/2 = 3
R31 I. Rusu , J.-M. Cormier, A.-L. Thomann and P. Brault, Experiments concerning combined catalytic-cold plasma hydrogen production, Environ. Eng. Manage. J., 4(1) (2005) 95-99.	6/4 = 1,5
R32 I. Rusu , Variation of the activation energy for some polymers interacted with metallic ions from the point of view of Tsallis formalism, Romanian Journal of Physics, 50(3/4) (2005) 467-470.	6
R33 I. Rusu , Comparison between model and experiment on hydrogen production in glidarc cold plasma reactors, Environ. Eng. Manage. J., 4(4) (2005) 537-541.	6
R34 I. Rusu and M.L. Craus, Preparation and IR-spectroscopic characterisation of $\text{Cd}_2\text{InNbO}_6$ perovskite oxide, J. Optoelectron. Adv. M., 8(5) (2006) 1884-1888.	6/2 = 3
R35 I. Rusu , Development trends of arc plasma reactors in the global context of carbon emission reduction, Environ. Eng. Manage. J., 6(3) (2007) 211-217.	6
R36 N. Melniciuc-Puica, G. Lisa and I. Rusu , On the lifetime prediction of old documents, J. Therm. Anal. Calorim., 99(3) (2010) 835-842.	6/3 = 2
R37 I. Rusu , Comparative considerations on the structure of some molybdenum/niobium double perovskites oxides, Environ. Eng. Manage. J., 9(11) (2010) 1583-1588.	6
R38 I. Rusu , D. Sutiman, G. Lisa, D. Mareci and N. Melniciuc-Puica, On the correlation between thermal analysis results and corrosion behaviour of some metallic religious artefacts, J. Therm. Anal. Calorim., 104(2) (2011) 423-430.	6/5 = 1,2
R39 D. Mareci, R. Chelariu, D. Sutiman, I. Rusu , Electrochemical characteristics of electrochemically patinated bronze, Eur. J. Sci. Theol., 7(4) (2011) 121-129.	6/4 = 1,5
R40 I. Rusu , F. Cautis, G. Hutanu-Alexoaie, M.F. Strugaru and N. Stan, Politics and hydrogen energy, Eur. J. Sci. Theol., 8 (Suppl. 1) (2012)	6/5 = 1,2
R41 D. Sutiman, I. Rusu, R. Chelariu, G. Lisa, N. Apostolescu, V. Diaconescu and D. Mareci , Study of patina deposition on bronze artefacts exposed to environmental corrosion in open spaces, Eur. J. Sci. Theol., 8(4) (2012) 215-223.	6/7 = 0,85
R42 Ș. Stanciugelu, A. Tăranu and I. Rusu , Toward a Black Sea Community based on Hydrogen Energy, Environ. Eng. Manage. J., 12(3) (2013) 603-608.	6/3 = 2
Articol publicat în revistă indexată în baze de date internaționale (BDI)	
R43 S. Oprea, E. Dumitriu, V. Hulea, A. Mares and I. Rusu , Study of the transalkylation reaction between trimethylbenzene and phenol, Studia Universitatis Babes-Bolyai, Chemia, 1-2 (1991) 123-132.	3/5 = 0,6

R44 M. Palamaru, C. Ciobanu, I. Rusu and M. Goanta, Photochemical degradation of the polyesterurethane used for synthetic skin versus polyester structure, Scientific Annals of the University "Al. I. Cuza" Iasi, Chemistry, 1 (1993) 33-40.	3/4 = 0,75
R45 M. Palamaru, C. Ciobanu, I. Rusu , V. Condratov and A. Pui, Some aspects of the polyurethanes photochemical degradation versus di-isocyanate structure, Ann. Univ. "Al. I. Cuza" Iasi Chem., 3 (1995) 109-116.	3/5 = 0,6
R46 I. Rosca, A. Cailean, I. Rusu , F. Ungureanu and D. Sutiman, Influence of alkaline-earth carbonates on the PVC thermal stability, Bulletin of the Polytechnic Institute of Iasi, Chemistry and Chemical Engineering, 3-4 (1996) 11-16.	3/5 = 0,6
R47 A. Cailean, D. Sibiescu, M. Vizitiu, D. Sutiman and I. Rusu , Consequences of corrosion and polluting effects of mineral sulphide water, Bull. IPI, Chem. & Chem. Eng., 3-4 (1996) 25-29.	3/5 = 0,6
R48 I. Rusu , A. Mares, A. Cailean and I. Rosca, Analysis of data concerning the relative thermal stability of some polymers using a multicriterial hierarchization method, Bull. IPI, Chem. & Chem. Eng., 1-2 (1997) 7-14.	3/4 = 0,75
R49 A. Cailean, I. Rusu , M. Esanu, I. Rosca and M.L. Craus, Evaluation of the stabilising effect on the PVC for some inorganic compounds by DTA and dynamic heat tests, Bull. IPI, Chem. & Chem. Eng., 3-4 (1998) 15-19.	3/5 = 0,6
R50 I. Rosca, M. Vizitiu, D. Sutiman, A. Cailean, D. Sibiescu and I. Rusu , The synthesis and the study of the coordination polymers obtained by the interaction between Pd(II) acetylacetonate with diphenylphosphinic, diphenylthiophosphinic and diphenyldithiophosphinic acids as ligands, Studia Universitatis Babes-Bolyai, Chemia, 1-2 (1998) 61-68.	3/6 = 0,5
R51 I. Rusu and M.L. Craus, On some mixed oxides in the system CaO-CdO-Bi ₂ O ₃ -Nb ₂ O ₅ . I. Synthesis, Bull. IPI, Chem. & Chem. Eng., 3/4 (2000) 17-28.	3/2 = 1,5
R52 D. Sutiman, E. Stefancu, I. Rosca, M. Vizitiu, D. Sibiescu, A. Cailean and I. Rusu , The stability of low alloy steels in the system methanol-ethyleneglycol-oxalic acid-water, Bull. IPI, Chem. & Chem. Eng., 1/2 (2001) 63-67.	3/7 = 0,43
R53 I. Rusu , J.M. Cormier and A. Khacef, Hydrogen production from simple compounds via plasma reactors, Bull. IPI, Chem. & Chem. Eng., 1/2 (2002) 69-75.	3/3 = 1
R54 M.L. Craus, I. Rusu, L. Lixandru , On some mixed oxides in the system CaO-CdO-Bi ₂ O ₃ -Nb ₂ O ₅ . II. Cation distribution test for an ideal Aurivillius structure, Bull. IPI, Chem. & Chem. Eng., 1/2 (2003) 15-20.	3/3 = 1
R55 I. Rusu , Minimisation of energy conversion systems by means of plasma chemistry, Bull. IPI, Chem. & Chem. Eng., 1/2 (2003) 21-26.	3
R56 I. Rusu , Considerations on the convergence between Chemistry and Theology - The periodic table of elements, Eur. J. Sci. Theol., 3(3) (2007) 3-10.	3
R57 I. Rusu , N. Melniciuc-Puica and G. Lisa, Pollution impact on the lifetime of old documents, Eur. J. Sci. Theol., 5(3) (2009) 85-91.	3/3 = 1
R58 D. Mareci, R. Chelariu, I. Rusu, N. Melniciuc-Puica and D. Sutiman , Electrochemical behaviour of some religious artefacts in simulated acid rain, Eur. J. Sci. Theol., 6(3) (2010) 57-70.	3/5 = 0,6
R59 D. Mareci, I. Rusu, R. Chelariu, G. Bolat, C. Munteanu, D. Sutiman and R.M. Souto , Application of dynamic electrochemical impedance spectroscopy to the evaluation of the corrosion resistance of a historic bronze object in artificial acid rainwater, Eur. J. Sci. Theol., 9(6) (2013) 189-199.	3/7 = 0,43

	R60 N. Melniciuc Puică, G. Lisă, E. Ardelean and I. Rusu , Assessment of the effectiveness of paper consolidation treatments by thermogravimetric analysis, Eur. J. Sci. Theol., 10(5) (2014) 253-262.	3/4 = 0,75
	R61 C. Rosca, V. Sunel, M. Cretu, C. Mita, N. Apostolescu, D. Mareci, C. Munteanu, I. Rusu , D. Sibiescu, C. Stan and D. Sutiman, Synthesis, Characterization and Toxicity Analysis of Some Mn(II), Co(II), Ni(II) and Cu(II) Complexes with N- <i>p</i> -Nitrobenzoyl-a-phenylalanine, Asian Journal of Chemistry, 27(12) (2015) 4510-4516.	3/11 = 0,27
	Articol/studiu publicat în revistă de specialitate neindexată în baze de date	
	R62 I. Rosca, A. Cailean, M. Vizitiu, I. Rusu , Study and synthesis of beryllium polyphosphinates (in Romanian), Annals of Craiova University, Chemistry, 1 (1995) 58-61.	1/4 = 0,25
	R63 D. Sutiman, I. Rosca, A. Cailean and I. Rusu , Corrosion of unalloyed steels in the ternary system methanol-organic acids-water (in Romanian), Ann. Craiova Univ. Chem., 1 (1995) 411-414.	1/4 = 0,25
	R64 I. Rosca, A. Cailean, M. Vizitiu, D. Sibiescu, D. Sutiman and I. Rusu , The problem of recovering plastic wastes in Iasi zone. Ecological and socio-economical implications (in Romanian), The Environment (Mediul Înconjurător), 2 (1996) 53-55.	1/6 = 0,17
	R65 A. Cailean, I. Rusu and D. Sutiman, Study of the thermo-stabilising action on PVC of some commercial organic compounds (in romanian), Annals of University 'Aurel Vlaicu' Arad, Chemistry, 1 (2000) 128-134.	1/3 = 0,33
	R66 M.L. Craus, I. Rusu , I. Rosca, A. Rusu and M. Nechita, Temperature influence on the behaviour of the mixed oxide $\text{Ca}_{3,5}\text{Cd}_{0,5}\text{Bi}_2\text{Nb}_5\text{O}_{18}$, Ann. Univ. 'Aurel Vlaicu' Arad Chem., 1 (2000) 339-342.	1/5 = 0,2
	R67 I. Rusu and A. Rusu, Implications of a new theory regarding the appearance of life on inorganic substrates (in Romanian), Ann. Univ. 'Aurel Vlaicu' Arad, Theology, 1 (2000) 235-240.	1/2 = 0,5
	R68 I. Rusu and C. Lupu, On order and design in the new synthesised chemical systems, Ann. Univ. "Aurel Vlaicu" Arad, Theology, 1 (2000) 241-248.	1/2 = 0,5
	R69 I. Rusu , G. Petraru, Nobel prizes for chemistry. Values and ethical issues, Ann. Univ. "Al. I. Cuza" Iasi, Theology, 8 (2003) 359-364.	1/2 = 0,5
	R70 I. Rusu and A. Cailean, Thermal lifetime prediction of stabilised polymers by isoconversional methods, Moldavian Journal of Physical Sciences, 6(1) (2007) 92-97.	1/2 = 0,5
	Total	107,93
B	Brevet de invenție acordat în străinătate	
	B1	
	B2	
	Brevet de invenție acordat în țară	
A	Creație artistică prezentată la manifestare recunoscută din străinătate	
	A1	
	A2	
	Creație artistică prezentată la manifestare recunoscută din țară	
V	Articol/studiu publicat în volumul unei manifestări științifice indexate in baze de date internaționale (BDI)	
	V1 I. Rusu , M.L. Craus, I. Rosca, E. Condliffe, M.J. Smith, D. Sutiman, M. Palamaru, A. Cailean and N. Apostolescu, Information regarding the structure of a new complex oxide based on Ca, Cd, Bi and Nb from dielectric measurements. Aurivillius or pyrochlore?, Proceedings of the 10 th International Symposium on Electrets (ISE 10), IEEE, Piscataway (USA),	4/9 = 0,44

(1999) 325-328.	
V2 I. Rosca, I. Rusu , D. Sutiman, A. Cailean, M. Vizitiu and D. Sibiescu, Coordination compounds with insulating and anticorrosive properties, Proc. ISE 10, IEEE, Piscataway (USA), (1999) 500-503.	4/6 = 0,67
V3 I. Rosca, I. Rusu , D. Sutiman, A. Cailean, D. Sibiescu and M. Vizitiu, Coordination polymers of the 3d block cations with semiconductor properties, Proc. ISE 10, IEEE, Piscataway (USA), (1999) 558-561.	4/6 = 0,67
V4 J.M. Cormier, I. Rusu , N. Apostolescu, Hydrogen production via methane steam reforming. Plasma reactors vs. chemical reactors, Proceedings of 15 th International Symposium on Plasma Chemistry (ISPC 15), International Plasma Chemistry Society, Orléans (France), (2001) 3295-3301.	4/3 = 1,33
V5 E. Ardelean, G. Lisă, I. Rusu , N. Melniciuc Puică, Considerations about old paper consolidation with cellulose ethers, Proc. of the 8 th European Symposium on Religious Art Restoration and Conserveation (ESRARC 8), C. Pelosi, G. Agresti, L. Lanteri & C. Parisi (eds.), Kermes Quaderni, Nardini Editore, Firenze, 2016, 55-57.	4/4 = 1
V6 N. Melniciuc Puică, G. Lisă, E. Ardelean and I. Rusu , Characterization of the effectiveness of consolidation operation applied on old handmade papers, Proc. of 9 th European Symposium on Religious Art Restoration and Conserveation (ESRARC 9), I. Rusu , M.T. Nechita, E.N. Drăgoi and N. Apostolescu (eds.), Kermes, Lexis Compagnia Editoriale, Torino, 2017, 101-104.	4/4 = 1
V7 E. Ardelean, N. Melniciuc Puică, G. Lisă and I. Rusu , Study of the usage of soapnut solutions for old paper cleaning, Proc. of 10 th European Symposium on Religious Art Restoration and Conserveation (ESRARC 10), S. Magál, D. Mendelová, D. Petranová and N. Apostolescu (eds.), Kermes, Lexis Compagnia Editoriale, Torino, 2018, 82-84.	4/4 = 1
Articol/studiu publicat în volumul unei manifestări științifice neindexate în baze de date	
V8 I. Rosca, E. Stefancu, I. Rusu , D. Sibiescu, D. Sutiman, A. Cailean, M. Vizitiu and G. Apostolescu, Synthetic aluminium silicates used in heat transfer, Proceedings of the First Balkan Conference on Glass Science &Technology, Volos (Greece), (2000) 211-215.	1/8 = 0,13
V9 I. Rosca, I. Rusu , D. Sutiman, A. Cailean, D. Sibiescu, M. Vizitiu and G. Apostolescu, Glassy mixture for ceramic fibres protection, Proc. of the First Balkan Conference on Glass Science &Technology, Volos (Greece), (2000) 522-525.	1/7 = 0,14
V10 M.L. Craus, I. Rusu , A. Rusu, On the possible pyrochlore to Aurivillius phase transition in the complex oxide $\text{Ca}_{3,75}\text{Cd}_{0,25}\text{Bi}_2\text{Nb}_5\text{O}_{18}$, Compte-Rendus XXVII Journées d'Etudes des Equilibres entre Phases (JEEP XXVII), R.M. Marin-Ayral & M.C. Record (eds.), Montpellier (France), (2001) 103-105.	1/3 = 0,33
V11 J.-M. Cormier, I. Rusu , M. Dudemaine and D. Sibiescu, On the Optimisation of Glidarc Reactors by Means of Electric Discharge Frequency Analysis, Proceedings of the 8 th International Conference on Optimisation of Electrical and Electronic Equipment (OPTIM 2002), Brasov (Romania), (2002) 151-156.	1/4 = 0,25
V12 J.-M. Cormier, I. Rusu and M. Dudemaine, On a new magnetic blow out glidarc reactor, Proceedings of the 8 th International Symposium on High Pressure Low Temperature Plasma Chemistry (Hakone 8), Pühajärve (Estonia), (2002) 176-180.	1/3 = 0,33
V13 I. Rusu , J.M. Cormier and L. Lixandru, On the Diagnose of a Glidarc Plasma Reactor by Means of Electric Discharge Frequency Analysis,	1/3 = 0,33

	Proceedings of the 5 th International Workshop on Frontiers in Low Temperature Plasma Diagnostics (FLTPD-V), S. De Benedictis & G. Dilecce (eds.), Villaggio Cardigliano (Italy), (2003) 243-246.	
	V14 M.L. Craus, <u>I. Rusu</u> and A. Rusu, Modification of Cations Distribution in the Mixed Oxide $\text{Ca}_{3.75}\text{Cd}_{0.25}\text{Bi}_2\text{Nb}_5\text{O}_{18}$ Induced by the Pyrochlore to Aurivillius Phase Transition, Proceedings of JEEP XXIX, F. Bosselet, C. Goutaudier et M. Sacerdote-Peronnet (eds.), Lyon (France), (2003) 177-178.	1/3 = 0,33
	V15 E. Hnatiuc, J.-L. Brisset, B. Hnatiuc, R. Burlica and <u>I. Rusu</u> , New trends in plasma sources, plasma reactor engineering and applications of non-thermal plasmachemical reactors (INVITED LECTURE), Proceedings of XV th Symposium on Physics of Switching Arc, vol. II, Brno (Czech Republic), (2003) 297a-297j.	1/5 = 0,2
	V16 <u>I. Rusu</u> , M.L. Craus, A. Rusu and T. Maluțan, Solid-phase synthesis of bismuth (III) complexes with clarithromycin - experimental trials, Proceedings of 4 th International Symposium on Pharmaceutical Chemistry, Istanbul (Turkey), (2003) 257-258.	1/4 = 0,25
	V17 J.-M. Cormier, <u>I. Rusu</u> , A. Khacef, On the use of a magnetic blow out glidarc reactor for the syngas production by steam reforming, Proceedings of the 16 th International Symposium on Plasma Chemistry, R. D'Agostino, P. Favia, F. Frascati, & F. Palumbo (Eds.), University of Bari, Bari, (2003) 577.	1/3 = 0,33
	V18 <u>I. Rusu</u> , Determination of turbulence effect on the gliding arc plasma reactor chemical parameters by means of Fourier transform, Proceedings of 17 th European Conference on Atomic & Molecular Physics of Ionized Gases (ESCAMPIG 17), V. Ciupina, G. Musa & R. Vladioiu (eds.), Constanta (Romania), (2004) 285-286.	1
	V19 <u>I. Rusu</u> and L. Lixandru, On the nonextensive formalism applied to the evolution of disordered systems. Thermal degradation of polymers, Proceedings of the Third International Conference on the Physics of Disordered Systems (PDS'05), Gdansk (Poland), (2005) 37-39.	1/2 = 0,5
	V20 <u>I. Rusu</u> , Comparative considerations on the synthesis of some molybdenum and niobium mixed oxides, Materials and innovative processes (ZFICPM 5), Politehniun, Iasi (Romania), (2008) 434-438.	1
	V21 D. Mareci, <u>I. Rusu</u> , B. Istrate, G. Bolat, C. Munteanu and R. Chelariu, Identification of bronze corrosion products in historic object, Proceedings of 6 th European Symposium on Religious Art Restoration and Consevation (ESRARC 6), O.A.Cuzman, R. Manganelli Del Fa & P.Tiano (eds.), Kermes Quaderni, Nardini Editore, Firenze, 2014, 71-73.	1/6 = 0,17
	V22 D. Mareci, <u>I. Rusu</u> , M. Dobromir, A. Cailean and R. Chelariu, XPS characterization of anodic oxides grown on bronze artifacts exposed to simulated acid rain, Proceedings of 7 th European Symposium on Religious Art Restoration and Consevation (ESRARC 7), O.A.Cuzman & R. Manganelli Del Fa (eds.), Kermes Quaderni, Nardini Editore, Firenze, 2015, 42-44.	1/5 = 0,2
	V23 N. Melniciuc Puică, G. Lisă, E. Ardelean and <u>I. Rusu</u> , Thermogravimetric analysis of paper samples damaged by foxing, Proceedings of 7 th European Symposium on Religious Art Restoration and Consevation (ESRARC 7), O.A.Cuzman & R. Manganelli Del Fa (eds.), Kermes Quaderni, Nardini Editore, Firenze, 2015, 55-58.	1/4 = 0,25
	Total	11,85
N	
	N1	

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.*

	Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție internațională	Punctaj
P	P1	
	P2	
	Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție națională sau încheiate cu institute de cercetare, companii, regii, societăți comerciale	
	...	
F	Alte lucrări de proiectare-cercetare-dezvoltare	
	F1	

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: 27.11.2020

Candidat, S.I. dr.ing. Rusu Iulian –Lica

