

Concurs pentru ocuparea postului poz. 20 , de sef lucrari,
 Departamentul de Inginerie Chimica,
 Facultatea Inginerie Chimica si Protectia Mediului "Cristofor Simionescu",
 Disciplinele: Programarea experimentelor si analiza statistica ,
 Informatică Aplicată 1,
 Informatică Aplicată 2 ,
 Domeniul Inginerie chimică,

LISTA DE LUCRĂRI

Candidat: DRAGOI, N Elena Niculina - **Dr./** din 2012, **Asist. Univ.** din 2012

1° Teza(-ele) de doctorat (T1, T2)

T1. 2012, Universitatea "Gheorghe Asachi", Iasi, Universitatea Tehnică „Gheorghe Asachi” din Iași, Facultatea de Inginerie Chimică și Protecția Mediului "Cristofor Simionescu", domeniul: Inginerie Chimica, conducator Silvia Curteanu, titlu: Metodologii de modelare și optimizare bazate pe tehnici neuro-evolutive aplicate proceselor din ingineria chimică

2° 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
-	-	0
I	Îndrumar/ culegere de probleme (publicat sau disponibil pe Web)	0
-	-	-
D	Sisteme de laborator funcționale	0
-	-	-
W	Utilizarea sistemelor de predare/ învățare/ evaluare de tip e-learning/ on-line/ multimedia etc.	0.4
	W1 Moodle- Informatica Aplicata 1- Specializarea Inginerie Chimica (Excel, Mathcad)	0.1
	W2 Moodle- Informatica Aplicata 1- Specializarea Ingineria Mediului (Excel)	0.1
	W3 Moodle- Informatica Aplicata 2- Specializarea Inginerie Chimica (Matlab)	0.1
	W4 Moodle – Informatica Aplicata 2- Specializarea Ingineria Mediului (Mathcad)	0.1
M	0
-	-	-

3° 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, Drăgoi EN , Curteanu S, Dafinescu V, <i>Modelling and optimization of chemical engineering processes. Bio-inspired techniques</i> , Lap Lambert Academic Publishing, ISBN: 978-3-659-40925-7, 326 pg., 2013	13.04
	Capitol carte de specialitate publicată în editură din străinătate	4.06

	Cb2, Drăgoi EN , Suditu GD, Curteanu S. <i>Optimization of Polyacrylamide Based Multicomponent Hydrogels Synthesis Using a Neuro-Evolutionary Strategy</i> . In: EngOpt 2018 Proceedings of the 6th International Conference on Engineering Optimization. H. C. Rodrigues, J. Herskovits, C. M. Mota Soares, A. L. Araújo, J. M. Guedes, J. O. Folgado, F. Moleiro, J. F. A. Madeira Springer, p 379-405, 2018	0.266667
	Cb3, Drăgoi EN , Curteanu S. <i>Applications of Differential Evolution in Polymerization Reaction Engineering</i> . In: Differential evolution in chemical engineering for both single and multi-objective optimization, Shvion S., Rangaiah G.P. (Eds) World Scientific, p 377-415, 2018	1.95
	Cb4 , Curteanu S, Drăgoi EN . <i>Neuro-evolutive techniques applied for modeling processes involving polymer gels</i> , In: Polymer Gels: Synthesis and Characterization, Vijay Kumar Thakur and Manju Kumari Thakur (Eds) Springer, p 379-405, 2018	1.35
	Cb5 , Suditu GD, Lisa G, Nechita MT, Drăgoi EN , Ardelean E. <i>Kinetic analysis of thermal degradation of some old paper consolidated with cellulose ethers</i> In Proceeding book of the 9th European Symposium on Religious Art, Restauration & Conservation. Rusu I, Nechita MT, Drăgoi EN, Apostolescu N (eds.) Kermes books, 2017	0.06
	Cb6 , Curteanu S, Drăgoi EN , Dafinescu V. <i>Evolutionary hybrid configuration applied to a polymerization process modelling</i> . In: Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) Springer 9095, pp. 237-249, 2015	0.433333
	Carte de specialitate/ capitol publicat în editură din țară, recunoscută CNCS	0
	-	
R	Articol publicat în revistă cotate ISI, cu factor de impact	63.628
	R1 Pirsahab M, Azizi F, Moradi M, Vasseghian Y, Drăgoi EN , Ghaemi N, <i>Biogenic compound removal from municipal wastewater - modeling and optimization</i> , Desalination and Water Treatment, 184 (2020) 252–266, 2020	1
	R2 Vasseghian Y, Khataee A, Drăgoi EN , Moradi M, Nabavifard S, Conti GO, Khaneghah AM, <i>Pollutants degradation and power generation by photocatalytic fuel cells: A comprehensive review</i> , Arabian Journal of Chemistry, 2020	0.85714287
	R3 Moradia M, Elahinia A, Vasseghian Y, Drăgoi EN , Omidia F, Khaneghah AM, <i>A review on pollutants removal by Sono-photo-Fenton processes</i> , Journal of Environmental Chemical Engineering, 2020	1
	R4 Moradia M, Vasseghian Y, Khataee A, Kobya M, Arabzade H, Drăgoi EN , <i>Service life and stability of electrodes applied in electrochemical advanced oxidation processes: A comprehensive review</i> , Journal of Industrial and Engineering Chemistry, 87:18-39, 2020	1
	R5 Vasseghian Y, Moradi M, Drăgoi EN , Khaneghah AM, <i>A review on mycotoxins detection techniques in edible oils</i> , International Journal of Environmental Analytical Chemistry, 2020	1.5
	R6 Drăgoi EN , Vasseghian Y, <i>Modeling of mass transfer in vacuum membrane distillation process for radioactive wastewater treatment using artificial neural networks</i> , Toxin reviews, 2020	3
	R7 Pirdashti M, Movagharnejad K, Akbarpour P, Drăgoi EN , Khoiroh I, <i>Thermophysical Properties and Experimental and Modeling Density of Alkanol plus Alkane Mixtures Using Neural Networks Developed with Differential Evolution Algorithm</i> , International Journal of Thermophysics, 41(4), 2020	1.2
	R8 Vasseghian Y, Bahadori A, Khataee A, Drăgoi EN , Moradi M, <i>Modeling the Interfacial Tension of Water-Based Binary and Ternary Systems at High Pressures Using a Neuro-Evolutive Technique</i> , ACS Omega, 5(1):781-790, 2020	1.2
	R9 Mousavi Z, Pirdashti M, Rostami AA, Drăgoi EN , <i>Thermophysical Properties Analysis of Poly (Ethylene Glycol) 600+Methanol, Ethanol, 1-Propanol, and 2-Propanol Binary Liquid Mixtures</i> , International Journal of Thermophysics, 41(2), 2020	1.5
	R10 Pirsahab M, Drăgoi EN , Vasseghian Y, <i>Polycyclic Aromatic Hydrocarbons (PAHs) Formation in Grilled Meat products—Analysis and Modeling with Artificial Neural Networks</i> , Polycyclic Aromatic Compounds, 2020	2
	R11 Pirdashti M, Ketabi M, Mobalegholeslam P, Curteanu S, Drăgoi EN , Barani A, <i>Transport, Thermodynamic, and Thermophysical Properties of Aqueous Mixtures of Poly (Ethylene Glycol): Experimental and Modeling</i> , International Journal of Thermophysics, 40(2019) 40:84, 2019	1

R12 Matin BK, Shakiba E, Moradi M, Zereshki E, Karami A, Vasseghian Y, Dragoi EN , Khaneghah AM, <i>The concentration of estrogen in water resources: a systematic review and meta-analysis</i> , International Journal of Environmental Analytical Chemistry, 2019	0.75
R13 Pirsaeheb M, Karimi K, Shahmoradi B, Moradi M, Vasseghian Y, Dragoi EN , <i>Photocatalyzed degradation of acid orange 7 dye under sunlight and ultraviolet irradiation using Ni- doped ZnO nanoparticles</i> , Desalination and Water Treatment, 165(2019): 321-332, 2019	1
R14 Sharafi K, Pirsaeheb M, Gupta VK, Agarwal S, Moradi M, Vasseghian Y, Dragoi EN , <i>Phenol adsorption on scoria stone as adsorbent - Application of response surface method and artificial neural networks</i> , Journal of Molecular Liquids, 274(2019): 699-714, 2019	0.85714285
R15 Dragoi EN , Kovacs Z, Juzsakova T, Curteanu S, Cretescu I, <i>Environmental assessment of surface waters based on monitoring data and neuro-evolutionary modelling</i> , Process Safety and Environmental Protection, 120:136-145, 2018	1.2
R16 Vasseghian Y, Dragoi EN* , <i>Modelling and optimization of acid blue 193 removal by UV/peroxydisulfate process</i> , Journal of Environmental Engineering, 144(8), 06018003, 2018	3
R17 Barani A, Pirdashti M, Heidari Z, Dragoi EN , <i>Influence of the Molecular Weight of Polymer, Temperature and pH on Phase Diagrams of Poly (Ethylene Glycol) + di-Potassium Tartrate Aqueous Two-Phase Systems</i> , Fluid phase equilibria, 459: 1-9, 2018	1.5
R18 Roşca M, Hlihor RM, Cozma P, Drăgoi EN , Diaconu M, Silva B, Tavares T, Gavrilăscu M, <i>Comparison of Rhodotorula sp. and Bacillus megaterium in the removal of cadmium ions from liquid effluents</i> , Green Processing and Synthesis, 7(1): 74-88, 2018	0.75
R19 Bleotu I, Dragoi EN , Mureşeanu M, Dorneanu SA, <i>Removal of Cu(II) ions from aqueous solutions by an ion-exchange process. Modelling and optimization</i> , Environmental Progress & Sustainable Energy, 37(1):605-612, 2018	1
R20 Alhalabi W, Dragoi EN* , <i>Influence of randomization strategies and problem characteristics on the performance of differential search algorithm</i> , Applied Soft Computing, 61:88-110, 2017	3
R21 Ciocan V, Şerbănoiu A, Drăgoi EN , Curteanu S, Burlacu A, <i>Optimization of glass fibers used as disperse reinforcement of epoxy polymer concrete with fly ash</i> , Environmental Engineering and Management Journal, 16(5): 1115-1121, 2017	1.2
R22 Moghri M, Dragoi EN , Salehabadi A, Shukla DK, Vasseghian Y, <i>Effect of Various Formulation Ingredients on Thermal Characteristics of PVC/Clay Nanocomposite Foams: Experimental and Modelling</i> , e-Polymers, 17(2), 119-128, 2017	1.2
R23 Sobariu DL, Fertu DIT, Diaconu M, Pavel LV, Hlihor RM, Drăgoi EN , Curteanu S, Lenz M, Corvini PFX, Gavrilăscu M, <i>Rhizobacteria and Plant Symbiosis in Heavy Metal Uptake and Its Implications for Soil Bioremediation</i> , New biotechnology, 39:125-134, 2017	0.6
R24 Ghinea C, Dragoi EN , Comanita ED, Gavrilăscu M, Campean T, Curteanu S, Gavrilăscu M, <i>Forecasting municipal solid waste generation using prognostic tools and regression analysis</i> , Journal of Environmental Management, 182: 80-93, 2016	0.85714287
R25 Dragoi EN , Curteanu S, Cascaval D, Galaction AI, <i>Artificial neural network modelling of mixing efficiency in a split-cylinder gas-lift bioreactor for Yarrowia lipolytica suspensions</i> , Chemical Engineering Communications, 203 (12), 1600-1608, 2016	1.5
R26 Dragoi EN , Curteanu S, <i>On the use of Differential Evolution algorithm for solving chemical engineering problems – a review</i> , Reviews in chemical engineering, 32 (2), 149-180, 2016	3
R27 Dragoi EN , Dafinescu V, <i>Parameter Control and Hybridization in Differential Evolution</i> , Artificial Intelligence Review, 45 (4), 447-470, 2016	3
R28 Moghri M, Dragoi EN , <i>Effect of Various Material Parameters on Barrier Properties of HDPE/PA6/Clay Nanocomposites: Experimental and Prediction using Artificial Neural Networks</i> , Journal of Elastomers and Plastics, 48(8), 739-753, 2016	3
R29 Macsim I, Dragoi EN , Cazacu M, Curteanu S, <i>Neural network modelling of a siloxane-organic polyazomethine synthesis</i> , Journal of applied polymer science, 132(38), 2015	1.5

R30 Cozma P, Dragoi EN , Mamaliga I, Curteanu S, Wukovits W, Friedl A, Gavrilescu M, <i>Modelling and Optimization of CO2 Absorption in Pneumatic Contactors Using Artificial Neural Networks Developed with Clonal Selection-Based Algorithm</i> , INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION, 16(2): 97-110, 2015	0.857142857
R31 Dafinescu V, David V, Andritoi D, Lunca E, Dragoi EN , <i>Electromagnetic pollution of the hospital environment due to new generation mobile phones</i> , Environmental Engineering and Management Journal , 14(1):73-78, 2015	1.2
R32 Dragoi EN , Curteanu S, Cascaval D, Galaction AI, <i>Separation of succinic acid from fermentation broths. Modelling and optimization</i> , Environmental Engineering and Management Journal, 14(3):533-539, 2015	1.5
R33 Pirdashti M, Movagharnejad K, Curteanu S, Dragoi EN , Rahimpour F, <i>Prediction of partition coefficients of guanidine hydrochloride in PEG - phosphate aqueous two-phase systems using artificial neural networks developed with the differential evolution algorithm</i> , Journal of Industrial and Engineering Chemistry, 27-25:268-275, 2015	1.2
R34 Mareci D, Dragoi EN , Bolat G, Chelariu R, Gordin D, Curteanu S, <i>Modelling the influence of pH, fluoride, and caffeine on the corrosion resistance of TiMo alloys by artificial neural networks developed with differential evolution algorithm</i> , Materials and Corrosion, 66(9):982-994, 2015	1
R35 Curteanu S, Suditu GD, Buburuzan AM, Dragoi EN , <i>Neural networks and differential evolution algorithm applied for modelling the depollution process of some gaseous streams</i> , Environmental Science and Pollution Research, 21(22):12856-12867, 2014	1.5
R36 Dragoi EN , Horoba CA, Mamaliga I, Curteanu S, <i>Grey and black-box modelling based on neural networks and artificial immune systems applied to solid dissolution by rotating disc method</i> , Chemical Engineering and Processing: Process Intensification, 82: 173-184, 2014	1.5
R37 Drăgoi EN , Curteanu S, Fissore D, <i>On the Use of Artificial Neural Networks to Monitor a Pharmaceutical Freeze-Drying Process</i> , Drying technology, 31(1):72-81, 2013	2
R38 Drăgoi EN , Curteanu S, Galaction AI, Cascaval D, <i>Optimization methodology based on neural networks and self-adaptive differential evolution applied to an aerobic fermentation process</i> , Applied soft computing, 3(1): 222-238, 2013	1.5
R39 Drăgoi EN , Suditu GD, Curteanu S, <i>Modelling methodology based on artificial immune system algorithm and neural networks applied to removal of heavy metals from residual waters</i> , Environmental Engineering and Management Journal, 11(11):1907-1914, 2012	2
R40 Drăgoi EN , Curteanu S, Fissore D, <i>Freeze-drying modelling and monitoring using a new neuro-evolutive technique</i> , Chemical Engineering Science, 72:195-204, 2012	2
R41 Drăgoi EN , Curteanu S, Lisă C, <i>A neuro-evolutive technique applied for predicting the liquid crystalline property of some organic compounds</i> , Engineering Optimization, 44(10):1261-1277, 2012	2
R42 Drăgoi EN , Curteanu S, Leon F, Galaction AI, Cascaval D, <i>Modeling of oxygen mass transfer in the presence of oxygen-vectors using neural networks developed by differential evolution algorithm</i> , Engineering Applications of Artificial Intelligence, 24 (7):1214-1226, 2011	1.2
Articol publicat în revistă indexată în baze de date internaționale (BDI)	2.208
R43 Dragoi EN , Curteanu S, Leon F, Azarian G, Godini K, Eva L, Dafinescu V, Turliuc MD, <i>Optimization of Chlorophyll A removal from wastewaters using bio-inspired algorithms</i> , Environmental Engineering and Management Journal, 19(2): 311-323, 2020	0.375
R44 Mirzaei-Alavijeh M, Jalilian F, Dragoi EN , Pirouzeh R, Solaimanizadeh L, Khashij S, <i>Self-care behaviors related to air pollution protection questionnaire: a psychometric analysis</i> , Archives of Public Health, (2020) 78:19, 2020	0.5
R45 Alsaadi A; Alhalabi W; Dragoi EN , <i>Performance evaluation of Differential Search algorithm on a set of benchmark functions</i> , Data Technologies and applications, 2019	1
R46 Kalantary RR, Moradi M, Pirsahab M, Esrafil A, Jafari AJ, Gholami M, Vasseghian Y, Antolini E, Dragoi EN , <i>Enhanced photocatalytic inactivation of E.coli by natural pyrite in presence of citrate and EDTA as effective chelating agents: Experimental evaluation and kinetic and ANN models</i> , Journal of Environmental Chemical Engineering, 7 (2019) 102906, 2019	0.33
Articol/studiu publicat în revistă de specialitate neindexată în baze de date	0

	-	
B	Brevet de invenție acordat în străinătate	0
	-	
	Brevet de invenție acordat în țară	8
	B1 Drăgoi EN , Curteanu S, <i>Chemical engineering process modelling and optimization using a hybrid Differential Evolution approach</i> , ORDA, no 735/29.02.2016	2
	B2 Drăgoi EN , Curteanu S, <i>Methodology for system identification based on differential evolution and back-propagation algorithm</i> , SADE-NN-2, ORDA, no. 11211/04.12.2012	2
	B3 Drăgoi EN , Curteanu S, <i>Optimization methodology based on an improved self-adaptive version of differential evolution algorithm</i> , SADE-NN-1, ORDA, no. 1261/21.09.2011	2
	B4 Drăgoi EN , Curteanu S, <i>Differential Evolution algorithm designed for neural network topology determination</i> , ORDA, no. 14645/22.11.2010	2
A	Creație artistică prezentată la manifestare recunoscută din străinătate	0
	-	
	Creație artistică prezentată la manifestare recunoscută din țară	0
	-	
V	Articol/studiu publicat în volumul unei manifestări științifice indexate in baze de date internaționale (BDI)	8.6
	V1 Drăgoi EN , Leon F, <i>Optimization metaheuristics inspired from viruses and simple cell organisms</i> , The 2nd International Conference on Advances in Artificial Intelligence (ICAAI 2018), Barcelona, Spain, October 6-8, 2018. In: In: Rodrigues H. et al. (eds) EngOpt 2018 Proceedings of the 6th International Conference on Engineering Optimization. EngOpt 2018. Springer	2
	V2 Drăgoi EN , Suditu GD, Curteanu S, <i>Optimization of Polyacrylamide Based Multicomponent Hydrogels Synthesis Using a Neuro-Evolutionary Strategy</i> , 6th International Conference on Engineering Optimization, Lisbon, Portugal, 17-19 September 2018	1.33
	V3 Curteanu S, Drăgoi EN , Dafinescu V, <i>Evolutionary hybrid configuration applied to a polymerization process modelling</i> , International Work Conference on Artificial Neural Networks. 10-12 June 2015. Palma de Mallorca. Spain. Published in: Advances in Computational Intelligence. Springer International Publishing, 2015. p. 237-249.	1.33
	V4 Curteanu S, Drăgoi EN , Leon, F. Butnariu, C, <i>Artificial intelligence modelling methodologies applied to a polymerization process</i> , Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH), International Conference on Simulation and Modeling Methodologies, Technologies and Applications, 2014/08/28/ 2014 Vienna. 43-49. IEEE	1
	V5 Dragan S, Drăgoi EN , Constantinescu D, Tudosa I, Dafinescu V, <i>Operating theatre electromagnetic pollution generated by radio/electrosurgery. Medical devices electromagnetic interference</i> , EPE 2014 - Proceedings of the 2014 International Conference and Exposition on Electrical and Power Engineering, December 2014, Article number 6969959, Pages 504-507, 8th International Conference and Exposition on Electrical and Power Engineering, EPE 2014; IEEE	0.8
	V6 Drăgoi EN , Curteanu S, Dafinescu V, <i>Differential Evolution Applications in Electromagnetics</i> , International Conference and Exposition on Electrical and Power Engineering (EPE) Iasi, ROMANIA Date: OCT 25-27, 2012, IEEE	1.33
	V7 Curteanu S, Leon F, Furtuna R, Drăgoi EN , Curteanu N, <i>Comparison between Different Methods for Developing Neural Network Topology Applied to a Complex Polymerization Process</i> , World Congress on Computational Intelligence (WCCI 2010) Location: Barcelona, SPAIN	0.8
	Lucrare comunicată/ prezentată la seminar/ conferință/ workshop/ expoziție	3.51
E	E1 Hlihor RM, Drăgoi EN , Diaconu M, Favier L, Curteanu S, Gavrilescu M, <i>Behind the Mechanism of Chromium(VI) Removal and Reduction from Aqueous Solutions by Fungal Biomass using a Bio-Inspired Process. Modelling and Optimization</i> , 2nd Euro-Mediterranean Conference for Environmental Integration (EMCEI 2019), 10-13, October 2019, Sousse, Tunisia, 2019	0.17
	E2 Drăgoi EN , Eva L, Dafinescu V, Apetrei AC, Turliuc DM, <i>Modelling with nature inspired optimizers and artificial neural networks. Case study: phenol adsorption</i> , An Annual International Conference on Computer & Software Engineering 22-25 July 2019, Athens, Greece, 2019	0.20
	E3 Drăgoi EN , Leon F, <i>Optimization metaheuristics inspired from viruses and simple</i>	0.50

	cell organisms, The 2nd International Conference on Advances in Artificial Intelligence (ICAAI 2018), Barcelona, Spain, October 6-8, 2018. In: In: Rodrigues H. et al. (eds) EngOpt 2018 Proceedings of the 6th International Conference on Engineering Optimization. EngOpt 2018. Springer, Cham. https://doi.org/10.1007/978-3-319-97773-7_16 , 2018	
	E4 Drăgoi EN , Suditu GD, Curteanu S, <i>Optimization of Polyacrylamide Based Multicomponent Hydrogels Synthesis Using a Neuro-Evolutionary Strategy</i> , 6th International Conference on Engineering Optimization, Lisbon, Portugal, 17-19 September, 2018	0.33
	E5 Drăgoi EN , Curteanu S, Cascaval D, Galaction A, <i>Artificial Neural Network Modeling of Mixing Efficiency in a Split-Cylinder Gas-Lift Bioreactor for Yarrowia lipolytica Suspensions</i> , 19th Romanian International Conference on Chemistry and Chemical Engineering (RICCCE), 2015	0.25
	E6 Curteanu S, Drăgoi EN, Leon F, Butnariu C , <i>Artificial intelligence modelling methodologies applied to a polymerization process</i> , International Conference on Simulation and Modeling Methodologies, Technologies and Applications, 2014/08/28/ 2014 Vienna.	0.25
	E7 Cozma P, Drăgoi EN, Mamaliga I, Curteanu S, Wukovits W, Friedl A, Gavrilescu M , <i>Modelling and Optimization of CO2 Absorption in Pneumatic Contactors Using Artificial Neural Networks Developed with Clonal Selection-Based Algorithm</i> , 7th International Conference on Environmental Engineering and Management Integration Challenges for Sustainability 18 – 21 September 2013, Vienna, Austria	0.14
	E8 Drăgoi EN , Curteanu S, and Mihailescu C, <i>Modeling methodology based on Differential Evolution algorithm applied to a series of hydrogels</i> , Advances in intelligent Systems and Technologies, 07 – 09 octombrie, Iasi, Romania, 2010	0.33
	E9 Drăgoi EN , Curteanu, S., and Mihailescu, C., <i>Rețele neuronale dezvoltate cu ajutorul algoritmului Differential Evolution aplicate la studiul unor sisteme biologice active</i> , Simpozionul național de Bioinginerie Medicală XIII, 2010	0.33
	E10 Dafinescu V, Drăgoi EN , <i>Contributions in the measurement of blood glucose concentration</i> , Progrese in ingineria biomedicală. Volumul de lucrări al conferinței naționale de bioinginerie medicală INGIMED X 2009	0.50
	E11 Drăgoi EN , and Dafinescu V, <i>Medical services optimization using artificial intelligence</i> , Progrese in ingineria biomedicală. Volumul de lucrări al conferinței naționale de bioinginerie medicală INGIMED X 2009	0.50

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
	P1 -membru proiect- Closing the Water Cycle Gap with Harmonised Actions for Sustainable Management of Water Resources, P 3 - SP 3.2 - Proiecte ERA.NET – COFUND, Director proiect: Igor Cretescu,	
	P2 -membru proiect- Blending Academic and Entrepreneurial Knowledge in Technology enhanced learning – BAEKTEL, 544482-TEMPUS-1-2013-1-IT-TEMPUS-JPHES,2013-2017, Università degli Studi della Basilicata (Project Coordinator), responsabil TUIASI: Curteanu Silvia	
	Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție națională sau încheiate cu institute de cercetare, companii, regii, societăți comerciale	
P	P3 -membru proiect- Upgradarea filtrării prin biotrickling in contextul protecției atmosferei și a schimbărilor climatice, PN-III-P2-2.1-PED 2019-1165,2020-2022, director proiect: Soreanu Gabriela	
	P4 -membru proiect- "Predicția temperaturilor de tranziție ale polimerilor prin tehnici computaționale combinate" GNaC2018_91,2019-2020, Director proiect: Iepure Luiza	
	P5 -membru proiect - Proiectarea, construcția și testarea unui prototip hibrid de echipament pentru degradarea cianurilor condus cu sistem expert, GNaC2018_20, 2019-2020, Director proiect: Suditu Dan Gabriel, valoare proiect:	
	P6 -director proiect- Framework pentru testarea algoritmilor de inspirație biologică, PNIII-RU-PD 23/2018, 2018-2020, valoare proiect: 249985 RON	

	P7 – membru proiect - Bio-inspired algorithms for modelling and optimization of complex chemical engineering processes, PCE 51/2017, 2017-2019, Director proiect: Curteanu Silvia, valoare proiect: 847443 RON	
	P8 – membru proiect- Software based on artificial intelligence algorithms with applications in modelling and optimization of chemical systems, PN-II-PT-PCCA-2011-32-0732, No. 23/2012, 2012-2015, Director proiect: Curteanu Silvia	

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:

18.12.2020

Candidat,

Asist. Dr. Ing. Dragoi Elena Niculina