

FIȘA DE VERIFICARE A STANDARDELOR MINIMALE INGINERIE CIVILĂ ȘI MANAGEMENTUL LUCRĂRILOR DE CONSTRUCȚII

dr. ing. Cristian Ștefan DUMITRIU

1. Activitatea didactică și profesională (A1)

1.1 Cărți, cursuri universitare și capitole în cărți de specialitate		
1.1.1. Cărți, cursuri universitare capitole ca autor		
1.1.1.1. Internaționale		66,750
a. L. Barbeș, C. S. Dumitriu , <i>Polymeric Composite Materials</i> , Lambert Academic Publishing, 2021, 140 pag. (ISBN 978-620-4-19941-2),	140/4	35,000
b. A. Bărbulescu, L. Barbeș, C. S. Dumitriu , <i>Statistical Assessment of the Water Quality Using Water Quality Indicators - Case study from India</i> . In: A. Vaseashta, C. Maftai, Eds., Water Safety, Security and Sustainability. Advanced Sciences and Technologies for Security Applications, Springer, 2021, pp. 599-613. https://doi.org/10.1007/978-3-030-76008-3_26 . (ISBN 978-3-030-76007-6).	15/6	2,500
c. N. Costea, C. S. Dumitriu , Considerations on the study of the errors in the mathematical model of the lag propagation. In: H. Akca, V. Covachev, A. Boucherif (eds.), 2004 - Dynamical Systems and Applications, GBS Publishers & Distributors (India), Delhi, 2004, pp. 273 – 281 (ISBN 81-89476-00-9).	9/4	2,250
d. C. S. Dumitriu , <i>On the copper-based materials corrosion</i> . In Emek, Ed., Physics Studies, IKSAD Publishing House, 2021, pp. 67-100 (ISBN 978-625-7562-96-6)	34/2	17,000
e. C. S. Dumitriu , <i>Assessing the fractal characteristics of precipitation series</i> . In S. Öz, Ed., Scientific Researches, IKSAD Publishing House, 2021, pp. 95-114 (ISBN: 978-625-8061-25-3).	20/2	10,000
1.1.1.2. Naționale		14,200
f. A. Bărbulescu, C. S. Dumitriu, <i>Mathematical aspects of the study of the cavitation in liquids</i> , In: S. Ion, G. Marinosh, C. Popa (eds.), Series on Mathematical Modelling of Environmental and Life Sciences Problems, Ed. Academiei Române, București, 2006, pp.7-14.	8/10	0,800
g. C. S. Dumitriu , A. Bărbulescu, Studii privind aliajele cu baza de cupru folosite în construcțiile de nave - Modelarea pierderilor de masa în diferite medii, Sitech, Craiova, 2007 (ISBN 978 – 873 – 746 – 660 – 0) 134 pag	134/10	13,400
Total A1		80,950

2. Activitatea de cercetare (A2)

2.1. Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI Proceedings	(25+20*IF)/nr. aut.	233,105
a. A. Al-Taani, Y. Nazzal, F. Howari, J. Iqbal, N. Bou-Orm, C. M. Xavier, A. Bărbulescu, M. Sharma, C. Ș. Dumitriu , Contamination Assessment of Heavy Metals in Agricultural Soil, in the Liwa Area (UAE), <i>Toxics</i> , 9(3) , 2021, 53. https://doi.org/10.3390/toxics9030053	IF = 4.126 (Q2)	11,969
b.F. Aonofriesei, A. Bărbulescu, C. S. Dumitriu , Statistical analysis of morphological parameters of microbial aggregates in the activated sludge from a wastewater treatment plant for improving its performances, <i>Romanian Journal of Physics</i> , 66(7-8) , 2021, 809	IF 1.888 (Q3)	20,920
c. A. Bărbulescu, C. Ș. Dumitriu , Assessing the water quality by statistical methods, <i>Water</i> , 13(8) , 2021, 1026, https://doi.org/10.3390/w13081026	IF = 3.103 (Q2)	43,530
d. A. Bărbulescu, C. Ș. Dumitriu , On the Connection between the GEP Performances and the Time Series Properties, <i>Mathematics</i> , 9(16) , 2021, 1853, https://doi.org/10.3390/math9161853	IF = 2.258 (Q1)	35,080
e. A. Bărbulescu, L. Barbeș, C. Ș Dumitriu , Assessing the water pollution of the Brahmaputra River using water quality indexes, <i>Toxics</i> , 9 , 2021, 927	IF = 4.146 (Q2)	35,907

f. A. Bărbulescu, L. Barbeș, C. Ș. Dumitriu , Computer-aided classification of new psychoactive substances, <i>Journal of Chemistry</i> , 2021	IF = 2.506 (Q3)	25,053
g. A. Bărbulescu, C. Ș. Dumitriu , C. Maftai, On the Probable Maximum Precipitation method, <i>Romanian Journal of Physics</i> , 67, 2022, 801	IF = 1.888 (Q3)	20,920
h. A. Bărbulescu, F. Postolache, C. Ș. Dumitriu , Estimating the precipitation amount at regional scale using a new tool, <i>Climate Analyzer, Hydrology</i> , 8(3), 2021, 125, https://doi.org/10.3390/hydrology8030125	IF = 0 (ESCI)	8,333
i. M. Mihăilescu, A. Negrea, M. Ciopec, P. Negrea, N. Duțeanu, I. Grozav, P. Svera, C. Vancea, A. Bărbulescu, C. Ș. Dumitriu , Full factorial design for gold recovery from industrial solutions, <i>Toxics</i> , 9(5), 2021, 111, https://doi.org/10.3390/toxics9050111	IF = 4.146 (Q2)	10,772
j. Y. H. Nazzal, A. Bărbulescu, F. Howari, A.A. Al-Taani, J. Iqbal, C. M. Xavier, M. Sharma, C. Ș. Dumitriu , Assessment of metals concentrations in soils of Abu Dhabi Emirate using pollution indices and multivariate statistics, <i>Toxics</i> , 9(5), 2021, 95, https://doi.org/10.3390/toxics9050095	IF = 4.146 (Q2)	13,465
k. Y. Nazzal, N. Bou Orm, A. Bărbulescu, F. Howari, M. Sharma, A. Badawi, A.A. Al-Taani, J. Iqbal, F. El Ktaibi, C.M. Xavier, C. Ș. Dumitriu , Study of atmospheric pollution and the health risk assessment A case study for Sharjah and Ajman Emirates (UAE), <i>Atmosphere</i> , 12, 2021, 1442, https://doi.org/10.3390/atmos12111442	IF = 2.686 (Q3)	7,156
2.2. Articole în reviste și volumele unor manifestări științifice indexate în baze de date internaționale	20/nr. aut.	150,00
a. A. Bărbulescu, C. Ș. Dumitriu , Models of the mass loss of some copper alloys, <i>Chem. Bull. Politehnica University (Timișoara)</i> , vol. 52 (66), 1-2, 2007, pp. 120-123.		10,000
b. A. Bărbulescu, C. Ș. Dumitriu , Markov Switching Model for Financial Time Series, <i>Ovidius University Annals, Economic Sciences Series</i> , vol. XXI, Issue 1, 2021, pp. 193-198. EBSCO		10,000
c. A. Bărbulescu, C. Ș. Dumitriu , Artificial intelligence models for financial time series, <i>Ovidius University Annals, Economic Sciences Series</i> , vol. XXI, Issue 1, 2021, pp.685-690. EBSCO		10,000
d. A. Bărbulescu, C. Ș. Dumitriu , ARIMA and Wavelet-ARIMA Models for the Signal Produced by Ultrasound in Diesel, <i>Proceedings of the 25th International Conference on System Theory, Control and Computing</i> , Iasi, Romania, October 20-23, 2021, DOI: 10.1109/ICSTCC52150.2021.9607321. IEEE		10,000
e. A. Bărbulescu, C. Ș. Dumitriu , Assessing the Fractal Characteristics of Signals in Ultrasound Cavitation, <i>Proceedings of the 25th International Conference on System Theory, Control and Computing</i> , Iasi, Romania, October 20-23, 2021, DOI:10.1109/ICSTCC52150.2021.9607168. IEEE		10,000
f. A. Bărbulescu, C. Ș. Dumitriu , RBF model for the mass loss of a brass in cavitation field, <i>The Annals of Dunarea de Jos University of Galati, Fascicle IX, Metallurgy and Materials Science</i> , nr. 4, 2021, pp.17-22. EBSCO		10,000
g. A. Bărbulescu, C. Ș. Dumitriu , On the fractal characteristics of some meteorological extreme series recorded at Constanta, Romania, <i>Ovidius University Annals of Constanta - Series Civil Engineering</i> , pp.77-82, 2021. DOI: 10.2478/ouacsce-2021-009. EBSCO		10,000
h. A. Bărbulescu, C. Ș. Dumitriu , F.L. Dragomir, Detecting Aberrant Values and Their Influence on the Time Series Forecast – <i>Proceedings of the International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME)</i> , 7-8 October 2021, Mauritius, DOI: 10.1109/ICECCME52200.2021.9591085. IEEE		6,666
i. J. Deguenon, J. Deguenon, C. Ș. Dumitriu , Statistical Analysis and Classification of Pollutants in the Nokoué Lake (Benin), <i>Ovidius University Annals of Constanta - Series Civil Engineering</i> , year 23, 2021, pp. 55-62. DOI: 10.2478/ouacsce-2021-006. EBSCO		6,667
j. C. Ș. Dumitriu , On the corrosion of two types of bronzes under cavitation, <i>The Annals of Dunarea de Jos University of Galati, Fascicle IX, Metallurgy and Materials Science</i> , nr. 4. 2021, pp.12-16. EBSCO		20,000
k. C. Ș. Dumitriu , A. Bărbulescu, On the freeboard calculus, <i>Automation, Computers</i>		10,000

<i>Applied Mathematics</i> , vol.13, no.3, 2004, pp. 13 – 20.		
l. C. Ș. Dumitriu , A. Bărbulescu, Copper corrosion in ultrasound cavitation field, <i>The Annals of Dunarea de Jos University of Galati, Fascicle IX, Metallurgy and Materials Science</i> , vol.3, 2021, pp. 31-35. EBSCO		
m. C. Ș. Dumitriu , F. L. Dragomir, Modeling the signals collected in cavitation field by stochastic and Artificial intelligence methods, Proceedings of 2021 13th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 01 July - 03 July 2021, Pitești, Romania, 2021, pp. 1-4, doi: 10.1109/ECAI52376.2021.9515016. IEEE		10,000
n. F. L. Dragomir, C. Ș. Dumitriu , A. Bărbulescu, Recommendation systems - modeling abusive clauses in e-commerce– Proceedings of the International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME), 7-8 October 2021, Mauritius, DOI: 10.1109/ICECCME52200.2021.9590828. IEEE		6,666
o. F. Postolache, C. Ș. Dumitriu , Reshaping the LMS IT Architecture and Educators Methodology through Blended Learning Approach, 2021 13th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 01 July - 03 July 2021, Pitești, Romania, 2021, pp. 1-6, doi: 10.1109/ECAI52376.2021.9515134. IEEE		10,000
p. C. Popescu, C. Ș. Dumitriu , Study of susceptibility to flash floods in the Vărbilău River catchment, <i>Ovidius University Annals of Constanta - Series Civil Engineering</i> , year 23, 2021, pp. 69-76, DOI: 10.2478/ouacsce-2021-008. EBSCO		10,000
2.3.2 Proprietate intelectuală, brevete de invenție RO		33,333
a. C.S. Dumitriu , Patent no RO 118409-B (30.05.2003) Dispozitiv de masurat pescajul.	25/nr.aut	25,000
b. A. Bărbulescu, V. Mârza, C. Ș. Dumitriu , Patent no RO 123086-B1 (30.09.2010), Installation and method for measuring and determining the effects produced by cavitation in ultrasound field in stationary and circulating media		8,330
2.4. Granturi/proiecte câștigate prin competițiile ce finanțează activități de cercetare		40,000
2.4.1. Responsabil pentru institutia partenera:		
a. Contract: 21-001/14.09.2007 - <i>Centrală electrică hidropneumatică acționată de valuri</i> . Finanțare: Buget de Stat – Autoritatea Națională pentru Cercetare Științifică. Program: 4 - Parteneriate în domeniile prioritare. Direcția de cercetare: 2 – Energie. Perioada de derulare: 14.09.2007 - 14.09.2009. Contractor: INCDIE ICPE-CA (Director de proiect: Gheorghe Samoilescu) - responsabil din partea SC Utilnavorep SA	10*nr ani	20,000
b. Contract: 22-001/2011 - <i>Simulare numerică și interpretare date experimentale obținute pe CHPV</i> . Finanțare: Buget de Stat – Autoritatea Națională pentru Cercetare Științifică. Program: 4 - Parteneriate în domeniile prioritare. Direcția de cercetare: 2 – Energie. Perioada derulare 2010 – 2011 (finalizat la data de 30.11.2011) - responsabil din partea partenerului SC Utilnavorep SA	10*nr ani	10,000
2.4.2. Membru în echipa de implementare a grantului		
Grant CNCIS 902/2007, 2008 – <i>Studii privind materialele metalice folosite în construcțiile de nave - Modelarea pierderilor de masă în diferite medii</i> (director proiect Alina Barbulescu)	5*nr ani	10,000
2.5. Responsabil de proiecte de cercetare/consultanță (minim 50.000 lei pentru instituția la care responsabilul era/este titular)		30,000
1. Contract nr. 34429/12.2004: <i>Salupe maritime portuare</i> (licitație publică). Beneficiar: C.N. Administrația Porturilor Maritime S.A., Constanța. Valoare: 4.412.520 lei fara TVA - Manager de proiect	5/proiect	5,000
2. Contract nr. 57/10.2007: <i>Ponton Bac Motor Tehnologic</i> (licitație publică). Beneficiar: C. N. „Transelectrica” S.A. București, Suc. Constanța. Valoare: 149.980 lei fara TVA - Manager de proiect		5,000
3. Contract nr. 359/11.2008: <i>Nava de măsurători topohidrografice pe canalele Dunare – Marea Neagră și Poarta Alba – Midia Năvodari, inclusiv proiectare</i> (licitație publică). Beneficiar: C. N. Administrația Canalelor Navigabile S.A., Constanța. Valoare: 3.073.153 lei fara TVA - Manager de proiect		5,000
4. Contract nr. 955/2013 – în desfășurare: <i>Proiectare și execuție – Modernizare ecluze</i> .		5,000

Echipamente și instalații (licitație publică). Beneficiar: C. N. Administrația Canalelor Navigabile S.A., Constanța. Finanțat în cadrul programului Operațional în cadrul Programului Operațional Infrastructură Mare, cod SMIS2014+121106 (finalizare 31.12.2021). Valoare partener SC Utilnavorep SA: confidential – Manager proiect din 10/2020		
5. Acord Contractual nr. 955/2013: <i>Proiectare și execuție - Modernizare ecluze echipamente și instalații</i> , cod proiect SMIS2014+121106 - Asistenta tehnica din partea proiectantului SC HIDROTIM SA TIMISOARA		5,000
6. Contract nr. 1601/04.2021- în desfășurare. Acord - cadru de prestare de <i>Servicii de mentenanță preventivă și mentenanță corectivă pentru echipamente și instalații din ecluze, stații de pompare și galerii de ape mari</i> (licitație publică). Beneficiar: C.N. Administrația Canalelor Navigabile S.A., Constanța. Valoare estimată pe 4 ani: 37.046.110 lei fără TVA. Contract subsecvent pe anul I: 1606/06.2021. Valoare: 4.109.985 lei fără TVA - Manager proiect		5,000
Total A2		486,438

3. Recunoaștere și impactul activității

3.1. Citări în reviste ISI și BDI și în volumele conferințelor ISI și BDI		134,710
3.1.1. Articole citate în reviste cotate ISI (articolul citat - stanga, cel care citeaza - dreapta)	10*FI/nr.aut	128,127
A. Al-Taani, Y. Nazzal, F. Howari, J. Iqbal, N. Bou-Orm, C. M. Xavier, A. Bărbulescu, M. Sharma, C. Ș. Dumitriu, Contamination Assessment of Heavy Metals in Agricultural Soil, in the Liwa Area (UAE), <i>Toxics</i>, 9(3), 2021, 53, https://doi.org/10.3390/toxics9030053	W.W.M. Emam, K.M. Soliman, Geospatial analysis, source identification, contamination status, ecological and health risk assessment of heavy metals in agricultural soils from Qallin city, Egypt. <i>Stochastic Environmental Research and Risk Assessment</i>, 2021, https://doi.org/10.1007/s00477-021-02097-8. FI 3,379	3,754
	M. H. Kabir, M. H. Rashid, Q. Wang, W. Wang, S. Lu, S. Yonemochi, Determination of Heavy Metal Contamination and Pollution Indices of Roadside Dust in Dhaka City, Bangladesh, <i>Processes</i>, 9(10), 2021, 1732. https://doi.org/10.3390/pr9101732. FI 2,847	3,163
	P. O. Oladoye, O. M. Olowe, M. D. Asemoloye, Phytoremediation technology and food security impacts of heavy metal contaminated soils: A review of literatures, <i>Chemosphere</i>, 2021, 132555, https://doi.org/10.1016/j.chemosphere.2021.132555. FI 7,086	7,873
A. Bărbulescu, C. Ș. Dumitriu, Mathematical aspects of the study of the cavitation in liquids, Proceedings of the 4th Workshop on Mathematical Modelling of Environmental and Life Sciences Problems, Constanța, Romania, 7-11.09.2005, pp. 7-15.	Bărbulescu, L. Barbes, Modeling the outlet temperature in heat exchangers. Case study, <i>Thermal Science</i>, 25, No.1B, 2021, pp. 591 - 602. FI 1,625	8,125
A. Bărbulescu, C. Ș. Dumitriu, Models of the mass loss of some copper alloys, <i>Chem. Bull. Politehnica University (Timișoara)</i>, vol. 52 (66), 1-2, 2007, pp.120-123.	A. Bărbulescu, L. Barbes, Modeling the outlet temperature in heat exchangers. Case study, <i>Thermal Science</i>, 25, No.1B, 2021, pp. 591 – 602. FI 1,625	8,125
A. Bărbulescu, C. Ș. Dumitriu, F.-L. Dragomir, F.-L. Detecting Aberrant Values and Their	M. L. Zlati, R.-V. Ionescu, V. M. Antohi, Impact Study on Social Accounting Matrix by	11,300

Influence on the Time Series Forecast, <i>Proceedings of the 2021 International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME)</i>, Mauritius, 7–8 Oct. 2021, pp. 1–5. https://ieeexplore.ieee.org/document/9591085.	Intrabusiness Analysis, <i>International Journal of Environmental Research and Public Health</i>, 18, 2021, 12547. https://doi.org/10.3390/ijerph182312547. FI 3,390	
• A. Bărbulescu, C. Maftai, C. Ș. Dumitriu, The modelling of the climatic process that participates at the sizing of an irrigation system, <i>Bulletin for Applied & Computer Mathematics</i>, 2048/2002, Technical University of Budapest, pp.11-20.	• C. Maftai, A. Bărbulescu, S. Rugină, C. D. Năstac, I. M. Dumitru, Analysis of the arbovirosis potential occurrence in Dobrogea, Romania, <i>Water</i>, 13, 2021, 374. FI 3,103 • R. Costache, A. Bărbulescu, Q. B. Pham, Integrated framework for detecting the areas prone to flooding generated by flash-floods in small river catchments - a useful indicator for water quality, <i>Water</i>, 13, 2021, 758. FI 3,103 • A. Bărbulescu, C. Șerban, M. L. Indrecan, Computing the beta parameter in IDW interpolation by using a genetic algorithm, <i>Water</i>, 13(6), 2021, 863. FI 3,103	31,030
• F. L. Dragomir, C. Ș. Dumitriu, A. Bărbulescu, Recommendation systems - modeling abusive clauses in e-commerce, <i>Proceedings of the International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME)</i>, 7-8 October 2021, Mauritius, DOI:10.1109/ICECCME52200.2021.9590828	• M. L. Zlati, R.-V. Ionescu, V. M. Antohi, Impact Study on Social Accounting Matrix by Intrabusiness Analysis, <i>International Journal of Environmental Research and Public Health</i>, 18, 2021, 12547. https://doi.org/10.3390/ijerph182312547. FI 3,390	11,300
• C. Ș. Dumitriu, A. Bărbulescu, <i>Studies on the copper base alloys used in naval constructions – modeling the loss mass in different media</i>, Sitech, Craiova, 2007.	• A. Bărbulescu, L. Barbes, Modeling the outlet temperature in heat exchangers. Case study, <i>Thermal Science</i>, 25, No.1B, 2021, pp. 591 – 602. FI 1,625	8,125
• C. Ș. Dumitriu, F.-L. Dragomir, Modeling the Signals Collected in Cavitation Field by Stochastic and Artificial Intelligence Methods, <i>Proceedings of the 2021 13th International Conference on Electronics, Computers and Artificial Intelligence (ECAI)</i>, Pitesti, Romania, 1–3 July 2021; pp. 1–4.	• M. L. Zlati, R.-V. Ionescu, V. M. Antohi, Impact Study on Social Accounting Matrix by Intrabusiness Analysis, <i>International Journal of Environmental Research and Public Health</i>, 18, 2021, 12547. https://doi.org/10.3390/ijerph182312547 FI 3,390	16,950
• M. Mihăilescu, A. Negrea, M. Ciopec, P. Negrea, N. Duțeanu, I. Grozav, P. Svera, C. Vancea, A. Bărbulescu, C. Ș. Dumitriu, Full factorial design for gold recovery from industrial solutions, <i>Toxics</i>, 9(5), 2021, 111, https://doi.org/10.3390/toxics9050111	• A. Negrea, S. Ronka, M. Ciopec, N. Duțeanu, P. Negrea, M. Mihăilescu, Kinetics, Thermodynamics and Equilibrium Studies for Gold Recovery from Diluted Waste Solution, <i>Materials</i>, 14, 2021, 5325, https://doi.org/10.3390/ma14185325 FI 3,623	3,623
• Y. H. Nazzal, A. Bărbulescu, F. Howari, A.A. Al-Taani, J. Iqbal, C. M. Xavier, M. Sharma, C. Ș. Dumitriu, Assessment of metals concentrations in soils of Abu Dhabi Emirate using pollution indices and multivariate statistics, <i>Toxics</i>, 9(5), 2021, 95	• C. Candéias, P.F. Ávila, C. Sequeira, A. Manuel, F. Rocha, Potentially toxic elements dynamics in the soil rhizospheric-plant system in the active volcano of Fogo (Cape Verde) and interactions with human health, <i>CATENA</i>, 209, Part 1, 2022, 105843, https://doi.org/10.1016/j.catena.2021.105843	6,498

		3 FI 5,198	
T. Wang, Y. Lou, S. Jiang, J. Wang, Y. Zhang, W.-P. Pan, Distribution characteristics and environmental risk assessment of trace elements in desulfurization sludge from coal-fired power plants, <i>Fuel</i>, 2021, 122771. FI 6,609			8,261
3.1.2. Articole citate în volumele unor manifestări științifice indexate ISI		2,5/nr. aut.	4,583
A. Bărbulescu, C. Ș. Dumitriu,, Mathematical aspects of the study of the cavitation in liquids, Proceedings of the 4th Workshop on Mathematical Modelling of Environmental and Life Sciences Problems, Constanța, Romania, 7-11.09.2005, pp. 7-15.	A. Bărbulescu, S.V. Balas, I.E. Koles, C.A. Mnerie, On the Long Range Dependence Property of the Electrical Signals Collected in Cavitation Field, in Soft Computing Applications, vol. 357 of the series Advances in Intelligent Systems and Computing, (eds. V.E. Balas, L. C. Jain, B. Kovacevic), Springer, 2016, pp 781-789. ISI Proceedings		1,250
A. Bărbulescu, C. Ș. Dumitriu,, Models of the mass loss of some copper alloys, <i>Chem. Bull. Politehnica University (Timișoara)</i>, vol. 52(66), 1-2, 2007, pp.120-123	A. Bărbulescu, D. - C. Toncu, L. Orac, Analysis and models of some composites corrosion evolution, <i>Recent Advances in Materials Science</i>, 2008, pp. 63 – 69. ISI Proceedings		1,250
C. Ș. Dumitriu, A. Bărbulescu, <i>Studies on the copper base alloys used in naval constructions – modeling the loss mass in different media</i>, Sitech, Craiova, 2007.	A. Bărbulescu, D. - C. Toncu, L. Orac, Analysis and models of some composites corrosion evolution, <i>Recent Advances in Materials Science</i>, 2008, pp. 63 – 69. ISI Proceedings		1,250
Patent no RO 123086-B1 (30.09.2010), A. Bărbulescu, V. Marza, C. Ș. Dumitriu, Installation and method for measuring and determining the effects produced by cavitation in ultrasound field in stationary and circulating media	A. Bărbulescu, S.V. Balas, I.E. Koles, C.A. Mnerie, On the Long Range Dependence Property of the Electrical Signals Collected in Cavitation Field, in Soft Computing Applications, vol. 357 of the series Advances in Intelligent Systems and Computing, (eds. V.E. Balas, L. C. Jain, B. Kovacevic), Springer, 2016, pp 781-789. ISI Proceedings		0,833
3.1.3. Articole citate în reviste indexate BDI		2/nr. aut.	2,000
A. Bărbulescu, C. Ș. Dumitriu, Models of the mass loss of some copper alloys, <i>Chem. Bull. Politehnica University (Timișoara)</i>, vol. 52 (66), 1-2, 2007, pp.120-123	A. Bărbulescu, L. Orac, Corrosion analysis and models for some composites behavior in saline media, <i>International Journal of Energy and Environment</i>, Issue 1, vol. 2, 2008, pp. 35-44. EBSCO		1,000
C. Ș. Dumitriu, A. Bărbulescu, <i>Studies on the copper base alloys used in naval constructions – modeling the loss mass in different media</i>, Sitech, Craiova, 2007.	A. Bărbulescu, L. Orac, Corrosion analysis and models for some composites behavior in saline media, <i>International Journal of Energy and Environment</i>, Issue 1, vol. 2, 2008, pp. 35-44. EBSCO		1,000
3.4. Experienta de management universitar sau de cercetare: Sef Birou Tehnic Proiectare, Tehnologii, Cercetare – de la 1 ian 2020		5* nr.de ani	10,00
Total A3			144,710
Total general			712,098

CRITERII

Domeniul de activitate	Conditii	Realizat
Activitatea didactică / profesională (A1)	70	80,950
Activitatea de cercetare (A2)	300	486,438
Recunoaștere și impactul activității (A3)	80	144,710
Total	450	712,098
Cărți sau capitole ca autor	2	7
Articole ISI	8	11
Articole ISI cu FI>1	2	8
Articole ISI cu FI>0,5	2	2
Articole BDI	12	16
Director proiect cercetare	2	2
Numar citari (fara autocitari)	15	22

Data: 04.01.2022

Semnătura,
Dumitriu Cristian Stefan

