

Concurs pentru ocuparea postului **poz.5** , de **conferentiar universitar**,
 Departamentul de **Construcții Civile Industriale**,
 Facultatea de **Construcții Civile si Instalații din Iași**,
 Disciplinele: **Topografie, Sisteme constructive pentru construcții-opțional**

Domeniul **Inginerie civilă**,
 Post publicat în Monitorul Oficial al României nr. **395** din. **28.11.2024**

LISTA DE LUCRĂRI

Candidat: **Şef lucrări univ. dr. ing Daniel LEPADATU - Dr./** din 2007, **Şef lucrări** din 2008.

1° Teza(-ele) de doctorat

OPTIMISATION DES PROCEDES DE MISE EN FORME PAR APPROCHE COUPLEE PLANS D'EXPERIENCES, ELEMENTS FINIS ET SURFACE DE REPONSE,

Susținută public la data de 21.12.2006 în cadrul Universității din Angers, FRANTA.

Calificativ: **Très honorable**.

Domeniul – **Științe ingineresti**

Conducător de doctorat – **Prof. Abdessamad KOBİ**

Recunoscută de Minister în iulie 2007 prin OM 1516/16.07.2007. Atestat Seria J nr. 566 din 30.04.2008

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.

		Punctaj lucrare	Puncte candidat
Ca	Capitol carte/ curs/ manual publicat în străinătate		
	Ca1. 1. D. Lepadatu, L. Judele, Statistical analysis of characteristics of slow breaking cationic emulsions used for cold waste asphalt recycling - Proceedings of Bituminous Mixtures & Pavements VI – Nikolaides (Ed.) 2015 Taylor & Francis Group, London, ISBN 978-1-138-02866-1. pp 813-819.	6	3
	Ca2. 2. L. Judele, D. Lepadatu, Performance evaluation of Romanian modified bitumens using thermoplastic elastomer SBS - Proceedings of Bituminous Mixtures & Pavements VI – Nikolaides (Ed.) 2015 Taylor & Francis Group, London, ISBN 978-1-138-02866-1. pp 123-126.	6	3
	Ca3. Daniel Lepadatu , TOPOGRAFIE PENTRU INGINERI CONSTRUCTORI, Editura Societatii Academice Matei Teiu Botez 2016, 200 pag, Colectia: Constructii civile, 2016. ISBN 978-606-582-101-9, 231 pag.	5	5
	Ca4. Daniel LEPADATU , Dan STEFANESCU, Cristian VELICU, Elemente de fizica cladirilor si calculul higrotermic, Editura PIM, Iasi, ISBN - 978-606-13-3629-6, 2017, 180 pag	5	1.67
I	Îndrumar/ culegere de probleme (publicat sau disponibil pe Web)		
	I1 - Daniel Lepadatu , Daniel Covatariu, Ana Raluca Rosu, TOPOGRAFIE PENTRU CONSTRUCȚII – ÎNDRUMĂTOR PENTRU LUCRĂRI PRACTICE, 183 pagini, Editura Societatii Academice Matei Teiu Botez 2013, Colectia: Constructii civile, ISBN 978-606-582-003-6. 2013	4	1.33
D	Sisteme de laborator funcționale		
	Amenajare lucrare nouă de laborator cu instalație experimentală Metode de lucru avansate si modernizarea tehnologiei didactice D1 – Retea de 4 puncte topografice de reperaj pentru lucrarile de laborator Confectionare borne topografice – 4 buc. Plantarea bornelor la sol D2 - Determinarea coordonatelor utilizand Tehnologia GPS – 2013 Marcarea coordonatelor pe fiecare borna D3 - Determinarea erorilor coordonatelor utilizand Tehnologia GPS – 2014. D4 - Determinarea erorilor coordonatelor utilizand 4 tipuri de statii totale – 2015.	2	8
	Amenajare/ concepere lucrare nouă de laborator/ proiect/ simulare pe calculator/ studiu de caz	1.5	1.5
	D5 - Metode moderne de trasare utilizate in inginerie civila		

	Contribuție la dotarea laboratoarelor, în valoare echivalentă cu 500 Euro D9 – Retea de 4 puncte topografice de reperaj pentru lucrările de laborator Confectionare borne topografice – 4 buc. Plantarea bornelor la sol. Determinarea coordonatelor utilizand Tehnologia GPS – 2013. Macarea coordonatelor pe fiecare borna. Valoare 500 Euro D10 - Determinarea erorilor coordonatelor utilizand Tehnologia GPS – 2014. Determinarea erorilor coordonatelor utilizand 4 tipuri de statii totale - 2015 Valoare lucrari – 500 euro	1	2
W	Utilizarea sistemelor de predare/ învățare/ evaluare de tip e-learning/ on-line/ multimedia etc. W1 Suport de prezentare/ instruire text/ video/ audio/ ppt a disciplinei 1. Topografie pentru ingineri constructori – Note de curs – Prezentare ppt – 350 pag 2. Ingineria mediului pentru ingineri constructori – Note de curs, Prezentare ppt – 250 pag.	1	2
M	Alte lucrări - M1 - Actes du Ière SÉMINAIRE DOCTORAL International Francophone - PREMIERS PAS DANS LA RECHERCHE QUESTIONS ET REPONSES, Éditeur - Société Académique Matei Teiu Botez, Éditeurs Coordonnateurs - Daniel Lepadatu, Loredana Judele, ISSN 2247-4161, 160 pag. 2016.		
Total puncte candidat		27.5	

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.

		Puncte luc.	Puncte cand.
	Articole în reviste cotate ISI Thomson Reuters sau în volume indexate ISI proceedings		
	1. Judele, Loredana, Eduard Proaspăt, Razvan Ionut Teodorescu, Daniel Lepadatu , and Daniel Bucur. 2023. "Comparative Studies of Thermal Conductivity Determination in Synthetic Wood with Recyclable Waste Content Using an Experimental Design Approach" Sustainability 15, no. 21: 15481. https://doi.org/10.3390/su152115481 , https://www.webofscience.com/wos/woscc/full-record/WOS:001099399900001 , autor coresp	6	1.2
	2. Adam, Laurentiu, Loredana Judele, Iuliana Motrescu, Ion Rusu, Daniel Lepadatu , and Roxana Dana Bucur. 2023. "Advanced Design for Experimental Optimisation of Physico-Mechanical Characteristics of Sustainable Local Hemp Concrete" Sustainability 15, no. 11: 8484. https://doi.org/10.3390/su15118484 , https://www.webofscience.com/wos/woscc/full-record/WOS:001004871400001 , autor coresp	6	1
	3. Adam, L., Isopescu, D. N., & Lepadatu, D. (2023). Experimental investigation of parameters influencing mechanical properties of hemp concretes using design of experiment method. IOP Conference Series.Materials Science and Engineering, 1283(1), 012001. doi: https://doi.org/10.1088/1757-899X/1283/1/012001 , https://www.webofscience.com/wos/woscc/full-record/WOS:001018350800001	6	2
	4. Lepadatu, D., Isopescu, D., Judele, L., Cucos, I., Antonescu, I., Alecu, I.-C., Particularities of synthetic wood - A biomaterial with recycled waste, (2021) Environmental Engineering and Management Journal, 20 (4), pp. 585-592. https://www.webofscience.com/wos/woscc/full-record/WOS:000637747700010	6	1
Ri	5. Cucos, I., Antonescu, I., Isopescu, D., Lepadatu, D. , Agavriloaie, M.-O., Caunii, V., Cucos, V.-C., Hydrogen plasma conversion system of municipal recyclable waste in energy. (2021) Environmental Engineering and Management Journal, 20 (4), pp. 625-634. https://www.webofscience.com/wos/woscc/full-record/WOS:000637747700014	6	0.9
	6. Cucos, I., Antonescu, I., Isopescu, D., Lepadatu, D. , Agavriloaie, M.-O., Caunii, V., Cucos, V.-C., Advanced system control for hydrogen plasma conversion of industrial hazardous recyclable liquid waste (2021) Environmental Engineering and Management Journal, 20 (4), pp. 593-603. https://www.webofscience.com/wos/woscc/full-record/WOS:000637747700011	6	0.9
	7. Alecu, I.-C., Lepadatu, D. , Isopescu, D., Cucos, I., Agavriloaie, M.-O., Antonescu, I., Helix spin economy and plasma waste recovery in construction and building materials industry, (2021) Environmental Engineering and Management Journal, 20 (4), pp. 559-568. https://www.webofscience.com/wos/woscc/full-record/WOS:000637747700007	6	1
	8. Daniel Lepadatu , Diana Ioana Morariu, Toufik Cherradi, Ancuta Rotaru, Ion Serbanoiu and Loredana Judele, Smart technology optimization by multicriteria analysis of civil engineering structure in service stage through topo-geodetic monitoring, The Fourth International Conference on Smart City Applications (SCA 2019), 2-4 octobree, 2019, Casablanca – Maroc, SCA '19: Proceedings of the 4th International Conference on Smart City ApplicationsOctober 2019 Article No.: 71 Pages 1–4 https://doi.org/10.1145/3368756.3369055 https://www.webofscience.com/wos/woscc/full-record/WOS:000526374200071	6	1.2

9. Daniel Lepadatu , Marinela Barbuta, Mircea Rujanu, Loredana Judele, Raluca Mitroi, FLY ASH CONCRETE WITH FIBERS: COMPARISON OF TENSILE STRENGTH USING NEURAL NETWORK AND DESIGN OF EXPERIMENTS METHODS. Environmental Engineering and Management Journal, Vol. 17 Issue 6, p1321-1328, 2018. https://www.webofscience.com/wos/woscc/full-record/WOS:000435677800006	6	1.2
10. Babor, D., Judele, L., Lepădatu, D. Nitric corrosion resistance of special mortars with high slag content [Rezistența la coroziune nitrică a unor mortare speciale cu conținut ridicat de zgură, Revista Romana de Materiale/ Romanian Journal of Materials, 47 (3), pp. 353-360. 2017, https://www.webofscience.com/wos/woscc/full-record/WOS:000411922800010	6	2
11. Irina Bliuc, Daniel Lepadatu , Adrian Iacob, Loredana Judele & Roxana Dana Bucur, Assessment of thermal bridges effect on energy performance and condensation risk in buildings using DoE and RSM methods, European Journal of Environmental and Civil Engineering, pp:1-19, 2017. https://www.webofscience.com/wos/woscc/full-record/WOS:000412978100003	6	1.2
12. Ana – Raluca Rosu, Daniel Lepadatu , Daniel Covatariu, Dan Padure, Loredana Judele, Numerical modelling for an electric power transformation station regarding soil – structure interaction by finite element method, 15th sgem international multidisciplinary scientific geoconference, SGEM2015 GeoConference Proceedings, Hydrogeology, Engineering Geology and Geotechnics Section. https://www.webofscience.com/wos/woscc/full-record/WOS:000395499800027	6	1.2
13. Marinela Barbuta, Emanuela Marin, Sorin Mihai Cimpeanu, Gigel Paraschiv, Daniel Lepadatu , and Roxana Dana Bucur, Statistical Analysis of the Tensile Strength of Coal Fly Ash Concrete with Fibers Using Central Composite Design, Advances in Materials Science and Engineering, Volume 2015 (2015), Article ID 486232, 7 pages, http://dx.doi.org/10.1155/2015/486232 . – IF 1.01 Journal Citation Reports released by Thomson Reuters 2015. https://www.webofscience.com/wos/woscc/full-record/WOS:000351141800001	6	1
14. D. Lepadatu , M. Barbuta, L. Judele, R. Mitroi, A. Ilas, Mechanical characteristic prediction on polymer concrete with silica fume using artificial neural network, Proceedings of 14th SGEM GeoConference on Nano, Bio and Green – Technologies For A Sustainable Future, June 19-25, pp: 235-242, Vol. 2, 2014. https://www.webofscience.com/wos/woscc/full-record/WOS:000366135800031	6	1.2
15. Judele Loredana, Marinela Barbuta, Daniel Lepadatu , Structure and role of additives in bitumen adhesion to natural aggregates, 14th SGEM GeoConference Nano, Bio and Green – Technologies For A Sustainable Future, Conference Proceedings, June 19-25, pp: 307-314, Vol. 2, ISBN 978-619-7105-21-6 / ISSN 1314-2704, 2014, https://www.webofscience.com/wos/woscc/full-record/WOS:000366135800040	6	2
16. A. Nicuta, A. Ilas, M. Barbuta, D. Lepadatu , A. A. Gaina, Evaluation of the improvement for a difficult foundation soil using vibrated ballast columns, 14th SGEM GeoConference on Science and Technologies In Geology, Exploration and Mining, www.sgem.org, SGEM2014 GeoConference Proceedings, ISBN 978-619-7105-08-7 / ISSN 1314-2704, June 19-25, pp: 341-348. Vol. 2, 2014. https://www.webofscience.com/wos/woscc/full-record/WOS:000371585600044	6	1.2
17. D. Lepadatu , M. Barbuta, J. Loredana, I. B. Mindru, A. Nicuta, Statistical analysis of protein residues addition on the mechanical proprieties of concrete, Proceedings of 14th SGEM GeoConference on Energy and Clean Technologies, June 19-25, pp: 219-226, Vol. 2, 2014. https://www.webofscience.com/wos/woscc/full-record/WOS:000371090000029	6	1.2
18. M.Barbuta, D. Lepadatu , A. Nicuta, L. Judele, R. Mitroi, Characterisation of polymer concrete with calcareous powder, Proceedings of 14th SGEM GeoConference on Nano, Bio And Green – Technologies For A Sustainable Future, June 19-25, pp: 57-64, Vol. 2, 2014. https://www.webofscience.com/wos/woscc/full-record/WOS:000366135800008	6	1.2
19. D. Lepadatu , A. Kobi, X. Baguenard, Luc Jaulin, Springback of stamping process optimization using response surface methodology and interval computation., Quality Technology and Quantitative Management, Vol. 6, No. 4, pp. 409-421. 2009. https://www.tandfonline.com/doi/abs/10.1080/16843703.2009.11673207	6	1.5
20. D. Lepadatu , R. Hambli, A. Kobi, A. Barreau, Statistical Investigation of Die Wear in Metal Extrusion Process, International Journal of Advanced Manufacturing Technology [ISSN: 0268-3768], 28, pp. 40-47, 2006. IF – 0.418 https://www.webofscience.com/wos/woscc/full-record/WOS:000235739400007	6	1.5
21. D. Lepadatu , R. Hambli, A. Kobi, A. Barreau, Optimization of Springback in Bending Process using FEM and Response Surface Method, International Journal of Advanced Manufacturing Technology [ISSN: 0268-3768], 27, pp. 40-47, 2005. IF – 0.406 https://www.webofscience.com/wos/woscc/full-record/WOS:000233464300007	6	1.5
22. Lepadatu, D ; Kobi, A; Hambli, R; Barreau A., Lifetime multiple response optimization of metal extrusion die, IEEE Conference: 51st Annual Reliability and Maintainability Symposium (RAMS) Location: Alexandria, VA Date: JAN 24-27, 2005, ANNUAL RELIABILITY AND MAINTAINABILITY SYMPOSIUM, 2005 PROCEEDINGS Book Series: PROCEEDINGS: ANNUAL RELIABILITY AND MAINTAINABILITY SYMPOSIUM Pages: 37-42 Published: 2005, ISI proceedings, https://www.webofscience.com/wos/woscc/full-record/WOS:000228469800007	6	1.5

	23. Hambli R., Lepadatu D. , Kobi A. and Barreau A., Ductile damage variation analysis during Metal Extrusion Process using Design of experiment technique, International Journal of Vehicle Design [ISSN: 0143-3369], Vol. 39, Nos. 1/2, pp. 51-61, 2005 . (IF – 0.24 Thomson Scientific Master Journal List - 2013) https://www.webofscience.com/wos/woscc/full-record/WOS:000232380500005	6	1.5
	24. Lepadatu, D ; Kobi, A; Hambli, R; Barreau A., Statistical process control of wear phenomenon during metal extrusion process, Book Group Author(s): IEEE, Conference: 50th Annual Reliability and Maintainability Symposium (RAMS) Location: Los Angeles, CA Date: JAN 26-FEB 29, 2004, ANNUAL RELIABILITY AND MAINTAINABILITY SYMPOSIUM, 2004 PROCEEDINGS, Book Series: PROCEEDINGS: ANNUAL RELIABILITY AND MAINTAINABILITY SYMPOSIUM Pages: 314-319 Published: 2004 , ISI proceedings https://www.webofscience.com/wos/woscc/full-record/WOS:000189427800054	6	1.5
	TOTAL capitol RiI		31.60
	Articol publicat în revistă indexată în baze de date internaționale (BDI)		
Ri2	1. Morariu D.I., Șerbănoiu I., Miron M., Lepădatu D. , Advanced tools for optimization and efficiently monitoring behavior in service stage of buildings using renewable energy, 8th Conference on Material Science and Engineering (UgalMat 2018), IOP Conference Series: Materials Science and Engineering, 485, 012014, doi: 10.1088/1757-899X/485/1/012014, 2019. Scopus https://www.scopus.com/record/display.uri?eid=2-s2.0-85063860738&origin=resultslist	3	0.75
	2. Amarandei, C.M., D. Lepadatu , S. Caraiman, Improving the design of parallel applications using statistical methods, Journal of Applied Sciences ISSN 1812-5654, Volume: 11; Issue: 6; pp: 932-942, 2011. , Scopus , https://www.scopus.com/record/display.uri?eid=2-s2.0-79958833767&origin=resultslist	3	1
	3. Bărbuță, M., Lepădatu, D. , Mechanical characteristics investigation of polymer concrete using mixture design of experiments and response surface method, (2008) Journal of Applied Sciences, 8 (12), pp. 2242-2249., SCOPUS https://www.scopus.com/record/display.uri?eid=2-s2.0-63049129240&doi=10.3923%2fjas.2008.2242.2249&origin=inward&txGid=9d60e4c8392ac4fc6511890f201869f4	3	1.5
	4. Daniel LEPADATU , Irina BLIUC, Irina BARAN, Statistical process control concerning the glazed areas influence on the energy efficiency of buildings, Bulletin of the Polytechnic Institute of Iassy, Tom LIV (LVIII), Fasc. 2, pp: 43-52, 2008. , ProQuest, Ebsco https://www.bipcons.ce.tuiasi.ro/Content/AuthorInformation.php?firstName=Irina&lastName=Baran&middleName=	3	1
	5. Daniel Lepădatu and Marinela Bărbuță, Statistical investigation of mechanical characteristics of polymer concrete using mixture design of experiments, Bulletin of the Polytechnic Institute of Jassy, CONSTRUCTIONS. ARCHITECTURE Section, Tomme LIII (LVII), Fascicle 3-4, pages 49-58, 2007. , ProQuest, Ebsco https://www.bipcons.ce.tuiasi.ro/Content/ArticleInformation.php?ArticleID=98	3	1,5
	6. Mihai P., Florea N. and Daniel Lepadatu , Special finite elements used in reinforced concrete analysis. Bulletin of the Polytechnic Institute of Iassy, Tom LIII(LVII), Fasc. 3-4., 43-48, 2007. , ProQuest, Ebsco https://www.bipcons.ce.tuiasi.ro/Content/ArticleInformation.php?ArticleID=97	3	1
	7. Daniel Lepadatu , Abdessamad Kobi and Cristian Amarandei, A new computational design of experiment for process optimization. Application for metal bending process, Buletinul Institutului Politehnic din Iasi, Tom LII (LVI), Fasc 1-2, pp. 65-78. 2006. , ProQuest, Ebsco https://www.bipcons.ce.tuiasi.ro/Content/ArticleInformation.php?ArticleID=56	3	1
	8. Mihai Petru, Nicolae Florea, Daniel Lepadatu , New algorithms for establish the behaviour of reinforced concrete elements. Buletinul Institutului Politehnic din Iasi, Tom LII (LVI), Fasc 3-4, pp. 59-67. 2006. ProQuest, Ebsco https://www.bipcons.ce.tuiasi.ro/Content/ArticleInformation.php?ArticleID=68	3	1
	9. D. Lepadatu , X. Baguenard, A. Kobi, R. Hambli, Luc Jaulin, A new response surface method for manufacturing process optimisation using interval computation. Proceedings of the 16th IFAC World Congress, 2005, 4-8 Julie 2005, Vol. 16 part I, pp - 1463-1463, 2005 , SCOPUS https://www.scopus.com/record/display.uri?eid=2-s2.0-79960713671&origin=inward&txGid=a7c536e630e9c19d8dd7468fb76a6b0d	3	0.6
	10. D. Lepadatu , A. Kobi, R. Hambli, A Barreau, Tool life prediction in metal forming processes using numerical analysis' Proceedings from the 11th IFAC Symposium, Nancy, France, 8-10 September 2004, Automation in Mining, Mineral and Metal Processing, pp 287-293. 2004. , Published by IFAC – Elsevier Science Direct https://www.scopus.com/record/display.uri?eid=2-s2.0-85064442246&origin=inward&txGid=8f67ad7dc48badb7223b8e316f4395dd	3	0.75
	Articol/studiu publicat în revistă de specialitate neindexată în baze de date		

	Rn1 Daniel Lepadatu , Abdessamad Kobi and Cristian Amarandei, A new computational design of experiment for process optimization. Application for metal bending process, Buletinul Institutului Politehnic din Iasi, Tom LII (LVI), Fasc 1-2, 2006, pp. 65-78.	1	0,33
	Rn2 Mihai Petru, Nicolae Florea, Daniel Lepadatu , New algorithms for establish the behaviour of reinforced concrete elements. Buletinul Institutului Politehnic din Iasi, Tom LII (LVI), Fasc 3-4, 2006, pp. 59-67.	1	0,33
	TOTAL capitol Ri2		10.76
	Articol/studiu publicat în volumul unei manifestări științifice indexate in baze de date internaționale (BDI)		
	1. Loredana Judele, Ana Raluca Rosu, Eduard Proaspat, Gabriel Sandulache and Daniel Lepadatu , Thermal Conductivities Determination of Synthetic Wood with Recyclable Waste Using Advanced Experimental Method and Numerical Simulation Proceedings of 2023 International Conference on Applied Mathematics & Computer Science (ICAMCS), pp 184-189, 2023, IEEE DOI 10.1109/ICAMCS9110.2023.00037, Scopus https://www.scopus.com/record/display.uri?eid=2-s2.0-85186768591&origin=resultslist	4	0.8
	2. Loredana JUDELE; Mariana BUSILA; Elena MOCANU; Ion RUSU; Daniel LEPADATU , MICROSTRUCTURAL ANALYSIS OF ALLOWANCED CEMENTITIOUS MORTAR WITH DIFFERENTS NANOPARTICLES, Proceedings of 23rd International Multidisciplinary Scientific GeoConference SGEM 2023 Section Micro and Nano Technologies, Albena Bulgaria, 2023. DOI 10.5593/sgem2023/6.1/s24.06, Scopus https://www.scopus.com/record/display.uri?eid=2-s2.0-85177832607&origin=resultslist	4	0.8
	3. Andrei BEJUSCA; Daniel LEPADATU ; Loredana JUDELE; Ion RUSU; Eduard PROASPAT, MULTICRITERIAL INVESTMENT ANALYSIS AND ENVIRONMENTAL IMPACT ON THE LONGEST SUSPENSION BRIDGE FROM ROMANIA, Proceedings of 23rd International Multidisciplinary Scientific GeoConference SGEM 2023, Green Buildings Technologies and Materials, Albena Bulgaria, 2023. DOI 10.5593/sgem2023/6.1/s26.39 ISSN 1314-2704 ISBN 978-619-7603-61-3, Scopus https://www.scopus.com/record/display.uri?eid=2-s2.0-85177871180&origin=resultslist	4	0.8
	4. Ion RUSU; Loredana JUDELE; Daniel LEPADATU , SELF-LEVELING SCREED PROPERTIES OPTIMIZATION FOR HORIZONTAL CONCRETE SURFACES RESTORATION USING D-OPTIMAL DESIGN, Proceedings of 23rd International Multidisciplinary Scientific GeoConference SGEM 2023, Green Buildings Technologies and Materials, Albena Bulgaria, 2023., DOI 10.5593/sgem2023/6.1/s26.41, Scopus https://www.scopus.com/record/display.uri?eid=2-s2.0-85177859172&origin=resultslist	4	1.33
	5. Morariu, D.I., Judele, L., Lepadatu, D., Cucos, I., Station points stability optimization for efficiently monitoring behavior in service stage of civil engineering structures using topo geodesic methods, (2018) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 18 (2.2), pp. 963-970. Scopus https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058884487&doi=10.5593%2fsgem2018%2f2.2%2fS09.122&partnerID=40&md5=5a2ff51cfab5bab2f118578aebc253e3	4	1
	6. Judele, L., Lepadatu, D., Antonescu, I., Boboc, A., Morariu, D.I. Nanotechnology in concrete materials-a powerful macro-material influenced by its nano-properties, (2018) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 18 (6.1), pp. 331-338. Scopus https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058872501&doi=10.5593%2fsgem2018%2f6.1%2fS24.045&partnerID=40&md5=d2889ee916e09995e256d02508e10861	4	0.8
	7. D. LEPADATU , E. MARIN, L. JUDELE, I. ANTONESCU, PARAMETERS INFLUENCE ON COMPRESSIVE STRENGTH OF FLY ASH GREEN CONCRETE WITH FIBERS USING A MODERN RESPONSE SURFACE METHOD, 17th International Multidisciplinary Scientific GeoConference SGEM 2017, www.sgemviennagreen.org, SGEM2017 Vienna GREEN Conference Proceedings, ISBN 978-619-7408-29-4 / ISSN 1314-2704, 27 - 29 November, 2017, Vol. 17, Issue 63, 595-602 pp; DOI: 10.5593/sgem2017H/63/S26.075, Scopus, EBSCO	4	1
	8. L. Judele, D. Lepadatu , A. Boboc, A. R. Rosu, I. Cucos, COLD WASTE ASPHALT RECYCLING USING FLY ASH, CATIONIC EMULSIONS AND NATURAL AGGREGATED ADDED, 17th International Multidisciplinary Scientific GeoConference SGEM 2017, www.sgemviennagreen.org, SGEM2017 Vienna GREEN Conference Proceedings, ISBN 978-619-7408-28-7 / ISSN 1314-2704, 27 - 29 November, 2017, Vol. 17, Issue 43, 43-50 pp; DOI: 10.5593/sgem2017H/43/S18.006, Scopus, EBSCO	4	1
	9. Marinela Barbuta, Daniel Lepadatu , Ana Nicuta, Loredana Judele, Raluca Mitroi., Characterisation of polymer concrete with calcareous powder, Proceedings of 14 th International Multidisciplinary scientific Geoconference SGEM 2014, 17-26 iunie 2014, Albena, Bulgaria, Section Green Buildings Technologies and Materials - ISI proceedings - http://www.sgem.org	4	0,8
	10. Daniel Lepadatu , Marinela Barbuta, Judele Loredana, Raluca Mitroi, Andrei Ilas, Mechanical characteristic prediction on polymer concrete with silica fume using artificial neural network, Proceedings of 14 th International Multidisciplinary scientific Geoconference SGEM 2014, 17-26 iunie 2014, Albena, Bulgaria, Section Green Buildings Technologies and Materials, ISI proceedings - http://www.sgem.org	4	0,8

Vi1	11. Daniel Lepadatu , Marinela Barbuta, Judele Loredana, Iulia Balau Mindru, Alina Nicuta, Statistical analysis of protein residues addition on the mechanical proprieties of concrete, Proceedings of 14 th International Multidiciplinary scientific Geoconference SGEM 2014, 17-26 iunie 2014, Albena, Bulgaria, Section Recycling. ISI proceedings - http://www.sgem.org	4	0,8
	12. Judele Loredana, Marinela Barbuta, Daniel Lepadatu , Structure and role of additives in bitumen adhesion to natural aggregates. Proceedings of 14 th International Multidiciplinary scientific Geoconference SGEM 2014, 17-26 iunie 2014, Albena, Bulgaria, Section Green Buildings Technologies and Materials, ISI proceedings - http://www.sgem.org	4	1,33
	13. Ana Nicuță, Andrei Ilaș, Marinela Bărbuță, Daniel Lepădatu , Alexandra-Alisa Găină, Evaluation of the improvement for a difficult foundation soil using vibrated ballast columns, Proceedings of 14 th International Multidiciplinary scientific Geoconference SGEM 2014, 17-26 iunie 2014, Albena, Bulgaria, Section Hydrogeology, Engineering Geology and Geotechnics. ISI proceedings - http://www.sgem.org	4	0,8
	14. D. Lepadatu , X. Baguenard, A. Kobi, R. Hambli, Luc Jaulin, A new response surface method for manufacturing process optimisation using interval computation. Proceedings of the 16th IFAC World Congress, 2005, 4-8 Julie 2005, Vol. 16 part I, pp - 1463-1463, Prague - République de Tchèque, Digital Object Identifier (DOI)-10.3182/20050703-6-CZ-1902.01464, Web - http://www.ifac-papersonline.net/Detailed/28745.html	4	0,8
	15. D. Lepadatu , A. Kobi, R. Hambli, A Barreau, Tool life prediction in metal forming processes using numerical analysis' Proceedings from the 11th IFAC Symposium, Nancy, France, 8-10 September 2004, Automation in Mining, Mineral and Metal Processing, pp 287-293. Published by IFAC – Elsevier Science Publishing Company. Web- http://books.google.ro/books?id=aocxtooEDdQC&printsec=frontcover&hl=ro#v=onepage&q&f=false	4	1
	TOTAL capitol Vi1		13.86
	Articol/studiu publicat în volumul unei manifestări științifice neindexate în baze de date		
	1. Judele Loredana, Daniel Lepadatu - The computer-assisted images analysis for estimation the capacity of bitumen coverage, International Civil Engineering & Architecture Symposium for Academicians-ICESA, May 2014, Side - Antalya-Turkey, www.icesa2014.org	1	0,5
	2. Daniel Lepădatu , Marinela Barbuță, Ana-Raluca Roșu, TENSILE STRENGTH OPTIMISATION OF FIBER REINFORCED POLYMER CONCRETE USING NEURAL NETWORK, Proceedings of C60 International Conference, Tradition and Innovation - 60 Years of Civil Engineering Higher Education in Transilvania, 7-9 November 2013, Cluj-Napoca, ROMANIA.	1	0,33
	3. Daniel Lepădatu Marinela Barbuță, Maria Harja, Ana-Raluca Roșu, MECHANICAL CHARACTERISTIC INVESTIGATION OF FIBER REINFORCED POLYMER CONCRETE USING NEURAL NETWORKS., Proceedings of International conference VSU'2013, Sofia, Bulgaria, 6 – 7 june, 2013, Tom III, Vol. III (VI), pp:102 – 108, [ISSN: 1314-071X], Website http://www.vsu.bg/conference/2013/en/	1	0,25
Vi2	4. Bărbuță, M., Agavriloaie L., Harja M., Lepădatu, D. , Nicuta A., M, EXPERIMENTAL STUDY O N POLYMER CONCRETE WITH DIFFERENT TYPES OF RESINS, Proceedings of International conference VSU'2013, Sofia, Bulgaria, 6 – 7 june, 2013, Tom III, Vol. III (VI) , pp:96 – 101., [ISSN: 1314-071X]. Website - http://www.vsu.bg/conference/2013/en/	1	0,2
	5. Daniel Lepădatu , Mihaela Barreau, Gurvan Jannot, Identification des méthodes et techniques de mesures et optimisation utilisées en topographie afin d'assurer la qualité des travaux en génie civil, International Conference DEDUCON – Sustenable Development in Civil Engineering, Iași, 11 noiembrie 2011.	1	0,33
	6. Adrian Iacob, Daniel Lepădatu , Adrian Alexandru Ciobanu, Parametric Statistical Analysis of Thermal Bridges in Buildings, International Conference DEDUCON – Sustenable Development in Civil Engineering, Iași, 11 noiembrie 2011.	1	0,33
	7. Harja Maria, Bărbuță, Marinela, Lepădatu Daniel , Capitalisation of fly ash as geopolymers in concrete, Proceedings of International conference VSU'2010, Sofia, Bulgaria, 3 – 4 June, Vol. II (V), [ISSN: 1314-071X], pp:51 – 56.	1	0,33
	8. Lepădatu, Daniel , Bărbuță, Marinela, Harja Maria, Parameter influence on mechanical proprieties of fly ash polymer concrete using mixture design of experiments, Proceedings of International conference VSU'2010, Sofia, Bulgaria, 3 – 4 June, Vol. II (V), [ISSN: 1314-071X], pp:45 – 50.	1	0,33
	9. Irina Bliuc, Daniel Lepadatu , Irina Baran, Potential adaptation of buildings to climate. Role of glazed areas. International Building Physics Congress, June 15-18, Istanbul TURKEY, 2009 Published in Energy Efficiency and New Approaches by Bayazit, Maniöglu, Oral & Yılmaz edition, Istanbul Technical University, ISBN 978-975-561-350-5, pp: 577-582.	1	0,33
	10. Marinela Bărbuță, Daniel Lepădatu , Polymer concrete optimization using mixture design of experiment and response surface methodology, "Highway and Bridge Engineering 2007", International Symposium, Iași, România, December 7, 2007.	1	0,5
	11. Lantieri Pascal, Guerin Fabrice, Ridha Hambli, Daniel Lepadatu , Accelerated life model using fnite element method. Procedeengs of Accelerated Life Testing - ALT 2006, Angers –	1	0,25

	France, 22 mai 2006.		
	12. Ridha HAMBli, Daniel LEPADATU, Abdessamad KOBi & Alain BARREAU, FEM MODELLING AND OPTIMISATION OF DISC BRAKE WEAR, I3M International Mediterranean Modeling Multiconference, Genoa, Italy, October 28-30 2004	1	0,25
	13. D. Lepadatu, X. Baguenard, A. Kobi, R. Hambli, Luc Jaulin, Process optimization using interval computation. QUALITA 2005, 16-18 mars 2005, Bordeaux – France. Actes du congres. Vol 2. pp 505-512.	1	0,2
	14. Lantieri Pascal, Guerin Fabrice, Dumon Bernard, Daniel Lepadatu, Ridha Hambli, Reliability estimation from accelerated life testing based on Finite Element Method. QUALITA 2005, 16-18 mars 2005, Bordeaux – France. Actes du congres. Vol 1. pp 379-386.	1	0,2
	15. Daniel Lepădatu, Marinela Bărbuța, Beton polimeric pentru consolidarea și reabilitarea clădirilor degradate, Simpozionul Național de Arhitectură - “Probleme ale reabilitării arhitecturale și urbane” Iași, România, 6-8 decembrie 2007.	1	0,33
	16. Daniel LEPADATU, Ridha HAMBli, Abdessamad KOBi & Alain BARREAU, Multiple response optimisation of fatigue life of die using computer design of experiments, The 2nd International Symposium of Theoretical and Applied Mechanics “Dimitrie I. Mangeron”, Iasi, Romania, 28-30 October 05. Proceedings in Bulletin of the Polytechnic Institute of Iassy, Tom LI (LIV), Special issue, 2005, pp: 242-252.	1	0.25
	17. D. Lepadatu, A. Kobi, R. Hambli, A. Barreau, Réduction de l’usure des outils d’extrusion par la méthode de surface de réponse, 3ème Conférence Internationale - Conception et Production Intégrées - CPI’2003, 22, 23 & 24 octobre 2003 Meknès, Maroc.	1	0,25
	18. D. Lepadatu, A. Kobi, R. Hambli, A. Barreau, Application des Plans d’expériences numériques pour la réduction de l’usure des outils d’extrusion, Conférence Internationale d’Utilisateurs Francophones d’ABAQUS - Paris 2002	1	0,25
	19. F. Babus, D. Lepadatu, A. Kobi, R. Hambli, Computer Aided Tool for Process Optimization. Application: Metal Bending Process, Proceedings of The 9th International Conference on Quality and Dependability – CCSF’2004, Sinaia – Romania, 29 septembre – 1 octobre., pp. 34-42.	1	0,25
	20. Daniel Lepădatu, Adrian Iacob and Adrian-Alexandru Ciobanu, Design of Experiment. Application in Thermal Bridges Assessment, “Computational Civil Engineering, 2012”, International Symposium Iasi, Romania, May 25.	1	0,33
	21. Ana Raluca Rosu, Daniel Lepadatu, Daniel Covatariu, Calculation of plane rectangular coordinates on tangent plane Stereo-70 in geographic coordinates. Achievement and prospects in hydrotechnical, geodesy an environmental engineering, 25-26 october 2012, IAȘI, ROMANIA	1	0,33
	TOTAL capitol Vi2		6.32
N		
	N1		
	N2		
	...		
E	Lucrări prezentate la diferite seminarii / expoziții, inovații		
	E1 D. Lepadatu. Postere (3 postere) prezentate la Concursul de Postere al Scolii Doctorale din Angers Franta (Anii: 2002, 2003, 2004)	1	4
	E2 D. Lepadatu. Poster prezentat la DOCTORIALES DES PAYS DE LA LOIRE 2004, Septembrie, Roche sur Yon, Franta.	1	1
Total puncte capitol E			5

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.

		Punctaj lucrare	Puncte candidat
	Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție internațională		
P	P1 Proiect cercetare, Méthodes modernes d’optimisation et de planification des essais expérimentaux des processus sous environnements contraints : application aux bétons ÉCOlogiques obtenus à partir de mélanges des NANOparticules et additions de Déchets REcyclable de bâtiments – ECONANODERE Finanțat – Agence Universitaire de la Francophonie Apel Soutien à la recherche scientifique francophone en Europe Centrale et Orientale – RESCI – ECO : 2024, https://www.auf.org/nouvelles/actualites/appel-projets-2024-soutien-la-recherche-scientifique-francophone-en-europe-centrale-et-orientale-resci-eco-resultats-disponibles/ Durata proiectului – 14 luni (01.07.24 – 31.08.2025) Buget – 21.800 euro Director/Coordonator – Daniel LEPADATU Puntaj = 20*1.16 (14 luni) = 23.33	40	40/18 = 2.22

	P2 Organisation des Séminaires Doctoraux – en FRANÇAIS, Projet proposé par Agence Universitaire de la Francophonie et gagné par Consortium des trois universités - Université Technique Gh Asachi Iasi – Romania, Université Technique de Modavie – République de Moldavie, Université d'Angers – France – Valoare Proiect - 7660 EURO, . http://site-dev.ca/2017/les_actualites/resultats-de-lappel-projets-organisation-de-seminar/ Director Daniel LEPADATU	40	40/6 = 6.66
	P1 Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție națională sau încheiate cu institute de cercetare, companii, regii, societăți comerciale		
	P1 Proiect de cercetare. Planificarea experimentală avansată a betonului cu ciment provenit din diverse surse și optimizarea sustenabilității acestuia funcție de procesul de hidratare și a altor factori influenți. Valoare – 30 000 RON, Director – Senior Lecturer Loredana JUDELE, 2023 Proiect de cercetare cu agent nr. 7335/2022, cu titlul - Proiect tehnologic inovativ pentru dezvoltarea unui grup de materiale de tip AIM - Advanced Inorganic Materials SIMS 120951, Director Prof. dr. hab. Maria HARJA, 2023 P2 Contract cercetare 2014 - SC BITUNOVA ROMANIA SRL , Tema Studii privind elaborarea rețetelor și comportarea în timp a lucrărilor de reciclare "la rece" cu adaos de agregate naturale, ciment, cenușă de termocentrală și emulsie bituminoasă cationică cu rupere lentă, acoperite cu două straturi de covoare asfaltice subțiri turnate la rece sau alte straturi asfaltice – Director Sef lucrari dr. chim. JUDELE Loredana, Coordonator științific Daniel LEPADATU	10	10/2 = 5 10/5 = 2
	...Total puncte capitol P		15.88
F	Alte lucrări de proiectare-cercetare-dezvoltare		
	F1 Bursa studiu cercetare - SOCRATES ERASMUS , martie 1999 - iunie 1999– Stagiul la Universitatea din Liège, Belgia – Calcul non linéaire des structures - Valoare 1200 euro	10	10
	F2 Bursa de DOCTORAT , décembre 2001 à décembre 2004, – Institut des Sciences et Techniques de l'Ingénieur d'Angers (ISTIA) – France, Optimisation des procédés de mise en forme par approche couplées plans d'expériences, éléments finis et surfaces de réponses." – Valoare 28.800 euro	10	10
	F2 Bursa cercetare - septembrie 2005 - martie 2006, Université d'Angers - Institut des Sciences et Techniques de l'Ingénieur d'Angers (ISTIA) – LASQUO - 62, Avenue Notre Dame du Lac, 49000 - Angers, Franta Implementarea în MATLAB a unor rutine de optimizare (Metoda încercărilor accelerate – Accelerated Life Testing - ALT) – Valoare 6600 euro	10	10
	...Total puncte capitol F		30
Total puncte candidat			140.92

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: 17.12.2024

Candidat,
Daniel LEPADATU

