

FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE CNATDCU

Domeniul fundamental: Științe inginerești

Domeniul: Inginerie și management

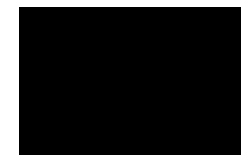
Comisia CNATDCU de specialitate: Ingineria și managementul producției

Autorul tezei de abilitare: Prof. dr. ing. Adriana FLORESCU

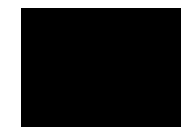
Ultima promovare a avut loc în data de 01.10.2009 conform Deciziei Rectorului, în baza OM nr. 4694/13.08.2009.

A1. ACTIVITATEA DIDACTICĂ ȘI PROFESIONALĂ

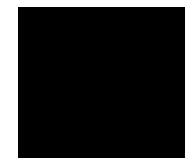
| Categorii și restricții | Indicatori unitari (k_{pi}) | Denumire | Punctaj |
|---|--|---|---------|
| 1.1 Cărți/manuale/monografii/capitole în cărți de specialitate | | | |
| 1.1.1 Cărți/manuale/monografii/capitole de specialitate ca autor | 1.1.1.1 Internaționale nr. pag./($5 \cdot$ nr. autori) | | |
| <ul style="list-style-type: none"> • Profesor minimum 2 de prim autor • Conferențiar minimum 1 de prim autor | | 1. Bancilă D., Buzatu C., Fota A. , A Hybrid Algorithm to Minimize the Number of Tardy Jobs in Single Machine Scheduling, chapter 48 in DAAAM International Scientific Book 2010, ISSN 1726-9687, Viena, Austria; DOI: 10.2507/daaam.scibook.2010.48. https://daaam.info/sc-book-2010 http://www.daaam.info/Downloads/Pdfs/science_books_pdfs/2010/Sc_Book_2010-048.pdf <u>Dovada</u> | 0,66 p |
| | | 2. Foriș D., Florescu A. , Foriș T., Barabaș S., Implementation of Lean Techniques in Destination Management Organizations. In: Abreu A., Liberato D., González E.A., Garcia Ojeda J.C. (eds) Advances in Tourism, Technology and Systems. | 0,55 p |



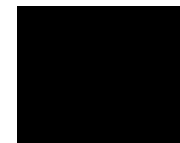
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| | | ICOTTS 2020. Smart Innovation, Systems and Technologies, vol 209, 2021, Springer, Singapore https://doi.org/10.1007/978-981-33-4260-6_26 | |
| | | Dovada | |
| | 1.1.1.2 Naționale (edituri recunoscute) | | |
| | nr. pag./ (10*nr. autori) | 1. Fota, A. , Proiectarea sistemelor de mașini. Modelare și simulare, Editura Universității Transilvania din Brașov, 2004, ISBN 973-635-331-1, 312 pagini. Dovada | 31,2 p |
| | | 2. Florescu, A. Sisteme flexibile de producție. Teorie și aplicații, Editura Printech București, ISBN 978-606-23-1317-3, 2021, 174 pagini. Dovada | 17,4 p |
| | | 3. Boncoi, Gh., Calefariu, G., Fota A. , Măniuț, P., Enache, V., Sisteme de producție. Concepte, automatizări. vol. I – Inginerie industrială. Inginerie economică. Management, Editura Universității „Transilvania” Brașov, 2000, ISBN 973 – 9474 – 88 – 8, 229 pagini (monografie). Dovada | 4,58 p |
| | | 4. Boncoi Gh., Calefariu G., Fota A. , Măniuț, P., Foriș, A., Luca, M., Boncoi, D., Aiteanu, D., Sisteme de producție. Fabricație flexibilă, producție integrată, oportunitatea implementării, eficiența economică, vol. II – Fabricație flexibilă, producție integrată, oportunitatea implementării, eficiența economică, Editura Universității „Transilvania” Brașov, 2001, ISBN 973 – 9474 – 89 – 6, 325 pagini (monografie). Dovada | 4,06 p |



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| | | <p>5. Boncoi Gh., Calefariu G., Fota A. Sisteme de producție, vol. III – Aplicații, Editura Lux Libris Brașov, 2001, ISBN 973 – 9428 – 72 – x, 309 pagini. Dovada</p> <p>6. Măniuț P., Fota, A., Chivu, C., Mașini și sisteme pentru prelucrări mecanice, Editura Universității „Transilvania” Brașov, 2002, ISBN 973-8124-84-0, 245 pagini. Dovada</p> <p>7. Deliu, M., Fota, A., Chivu, C., Bazele prelucrărilor mecanice, Editura Universității Transilvania Brașov, 2002, ISBN 973-635-029-0, 212 pagini. Dovada</p> | <p>10,3 p</p> <p>8,17 p</p> <p>7,07 p</p> |
| 1.1.2 Cărți ca editor | 1.1.2.1 Internaționale | | |
| | nr. pag./(10*nr. edit.) | - | - |
| | 1.1.2.2 Naționale | | |
| | nr. pag./(20*nr. edit.) | - | - |
| 1.2 Alte materiale didactice – inclusiv în format electronic (pentru format electronic – echivalent format A4 text fără figuri cu minimum 3200 caractere inclusiv spații) | | | |
| 1.2.1 Suporturi de curs/îndrumare | nr. pag./(20*nr. autori) | <p>1. Florescu, A., Barabaș S., Conducerea cu calculatorul a sistemelor de producție, Editura Universității Transilvania din Brașov, 2016, ISBN 978-606-19-0816-5, 172 pagini. Dovada</p> <p>2. Fota, A., Logistica, Editura Focus Petroșani, 2009, ISBN 978-973-677-148-4, 240 pagini. Dovada</p> | <p>4,3 p</p> <p>12 p</p> |
| • Profesor minimum 4 din care 2 prim autor | | | |



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|--|----|--|---|
| <ul style="list-style-type: none"> • Conferențiar minimum 1 de prim autor | | <p>3. Catrina, D., Velicu, St., Zapciu, M., Coteț, C., Fota, A., Sisteme flexibile de producție. Îndrumar de laborator, Editura Printech București, 2004, ISBN 973 – 652 – 915 – 0, 267 pagini.</p> <p style="text-align: right;">Dovada</p> <p>4. Catrina, D., Velicu, St., Zapciu, M., Coteț, C., Fota, A., Mihai, L., Sisteme flexibile de producție. Îndrumar de laborator Editura Printech București, 2009, ISBN 978-606-521-432-3, 227 pagini.</p> <p style="text-align: right;">Dovada</p> <p>5. Boncoi Gh., Fota, A., Cristian, I., Calefariu, G., Îndrumător pentru proiectarea componentelor mașinilor-unelte automate și sistemelor flexibile de fabricație, Reprografia Universității Transilvania Brașov, 1999, 383 pagini.</p> <p style="text-align: right;">Dovada</p> <p>6. Calefariu G., Boncoi Gh., Fota A., Automatizarea Sistemelor de Producție. Logistica industrială în construcția de mașini, curs, Reprografia Universității Transilvania din Brașov, 1997, 261 pagini.</p> <p style="text-align: right;">Dovada</p> <p>7. Măniuț P., Fota A., Sârbu, F., Georgescu, C., Mașini–unelte și prelucrări mecanice, curs, Reprografia Universității Transilvania din Brașov, 1999, 250 pagini.</p> <p style="text-align: right;">Dovada</p> | <p>2,67 p</p> <p>1,89 p</p> <p>4,79 p</p> <p>4,35 p</p> <p>3,13 p</p> |
| 1.3 Coordonare de programe de studii, organizare și coordonare programe de formare continuă | | | |
| Director/Responsabil | 15 | Sisteme de producție digitale | <p style="text-align: right;">Dovada</p> <p>15 p</p> |



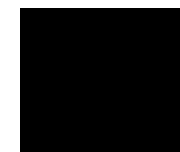
| 1.4 Dezvoltare de noi discipline (se punctează o singură dată în cazul multiplicării lor în programe de studii diferite) | | | |
|--|----|---|--|
| Titular | 10 | <p>1. <i>Tehnologii de prelucrare</i>, colegiu OGP - ID, an IV, Departamentul Inginerie și Management Industrial, Facultatea Inginerie Tehnologică și Management Industrial, Universitatea Transilvania din Brașov, 2007.</p> <p style="text-align: right;">Dovada</p> <p>2. <i>Bazele prelucrărilor mecanice</i>, program de studii de licență Inginerie Economică Industrială (IEI-ID), an IV, Departamentul Inginerie și Management Industrial, Facultatea Inginerie Tehnologică și Management Industrial, Universitatea Transilvania din Brașov, 2007.</p> <p style="text-align: right;">Dovada</p> <p>3. <i>Planificare și aprovizionare materială</i>, program de studii de licență Inginerie Economică Industrială, an III, Departamentul Inginerie și Management Industrial, Facultatea Inginerie Tehnologică și Management Industrial, Universitatea Transilvania din Brașov, 2008.</p> <p style="text-align: right;">Dovada</p> <p>4. <i>Proiectarea sistemelor de mașini</i>, program de studii de licență Mașini-unelte și Sisteme de Producție (MUSP), an IV, Departamentul Inginerie și Management Industrial, Facultatea Inginerie Tehnologică și Management Industrial, Universitatea Transilvania din Brașov, 2008.</p> <p style="text-align: right;">Dovada</p> <p>5. <i>Sisteme de comenzi și programare CNC</i>, program de studii de licență Masini-unelte și Sisteme de Producție (MUSP), an IV, Departamentul Inginerie și Management Industrial, Facultatea Inginerie Tehnologică și Management Industrial, Universitatea Transilvania din Brașov, 2008.</p> <p style="text-align: right;">Dovada</p> | <p>10p</p> <p>10 p</p> <p>10 p</p> <p>10 p</p> <p>10 p</p> |



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| | | <p>6. <i>Conducerea cu calculatorul a sistemelor de producție</i>, program de studii de licență Inginerie Economică Industrială (IEI), an IV, Departamentul Inginerie și Management Industrial, Facultatea Inginerie Tehnologică și Management Industrial, Universitatea Transilvania din Brașov, 2008.</p> <p style="text-align: right;">Dovada</p> <p>7. <i>Managementul Aprovizionarii Materialelor</i>, an IV, program de studii de licență Inginerie Economică Industrială (IEI), Departamentul Inginerie și Management Industrial, Facultatea Inginerie Tehnologică și Management Industrial, Universitatea Transilvania din Brașov, 2008.</p> <p style="text-align: right;">Dovada</p> <p>8. <i>Manufacturing Systems</i>, program de studii de master Automatizarea Sistemelor de Producție - Ib.engleză, an I, Departamentul Inginerie și Management Industrial, Facultatea Inginerie Tehnologică și Management Industrial, Universitatea Transilvania din Brașov, 2008.</p> <p style="text-align: right;">Dovada</p> <p>9. <i>Integrated Systems</i>, program de studii de master Automatizarea Sistemelor de Producție - Ib.engleză, an II, Departamentul Inginerie și Management Industrial, Facultatea Inginerie Tehnologică și Management Industrial, Universitatea Transilvania din Brașov, 2008.</p> <p style="text-align: right;">Dovada</p> <p>10. <i>Managementul riscului în afaceri industriale</i>, program de studii de master Managementul Afacerilor Industriale (MAI), an II, Departamentul Inginerie și Management Industrial, Facultatea Inginerie Tehnologică și Management Industrial, Universitatea Transilvania din Brașov, 2010.</p> <p style="text-align: right;">Dovada</p> | <p>10 p</p> <p>10 p</p> <p>10 p</p> <p>10 p</p> <p>10 p</p> |
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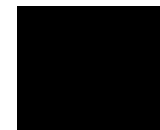


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| | | <p>11. <i>Managementul cercetării-dezvoltării</i>, program de studii Ingineria și Managementul Afacerilor (IMA), an IV, Departamentul Inginerie și Management Industrial, Facultatea Inginerie Tehnologică și Management Industrial, Univ. Transilvania din Brașov, 2012. Dovada</p> <p>12. <i>Optimizarea sistemelor avansate de fabricație</i>, program de studii de master Ingineria Fabricației Inovative (IFI) / Sisteme Avansate de Producție (SAP), Departamentul Ingineria Fabricației, an II, Facultatea Inginerie Tehnologică și Management Industrial, Universitatea Transilvania din Brașov, 2014. Dovada</p> <p>13. <i>Sisteme avansate de producție</i>, program de studii de master Ingineria Fabricației Inovative (IFI), Departamentul Ingineria Fabricației, an II, Facultatea Inginerie Tehnologică și Management Industrial, Universitatea Transilvania din Brașov, 2017. Dovada</p> <p>14. <i>Afaceri cu produse inovative</i>, program de studii Ingineria și Managementul Afacerilor (IMA), an III, Departamentul Inginerie și Management Industrial, Facultatea Inginerie Tehnologică și Management Industrial, Universitatea Transilvania din Brașov, 2020. Dovada</p> <p>15. <i>Inovare tehnologică</i>, program de studii Ingineria și Managementul Afacerilor (IMA), an IV, Departamentul Inginerie și Management Industrial, Facultatea Inginerie Tehnologică și Management Industrial, Universitatea Transilvania din Brașov, 2020. Dovada</p> | <p>10 p</p> <p>10 p</p> <p>10 p</p> <p>10 p</p> <p>10 p</p> |
| 1.5 Proiecte educaționale (ERASMUS, Leonardo, etc.) | | | |
| Director/Responsabil | 10*(ani desfășurare) | - | - |
| Total punctaj pentru activitatea didactică și profesională (A1): | | | 282,12 p |



A2. ACTIVITATEA DE CERCETARE

| Categoriile și restricții | Indicatori unitari (k _{pi}) | Denumire | Punctaj |
|---|--|---|--|
| 2.1 Articole indexate în reviste ISI Thomson Reuters și în volumele unor manifestări științifice indexate ISI Thomson Reuters, vizibile în baza de date | | | |
| <p>De la ultima promovare:</p> <p>Minimum 8 articole, din care 3 în reviste, minimum 3 ca autor principal, pentru Profesor</p> <p>Pentru profesor și CS1, începând din 2018 – minimum 1</p> | <p>Pentru reviste:</p> <p>(30+10*factor de impact)/(nr. de autori)</p> | <ol style="list-style-type: none"> Florescu, A., Barabaș, S. (2022). Development Trends of Production Systems through the Integration of Lean Management and Industry 4.0. <i>Applied Sciences</i>, 12, 4885, FI: 2,838; SRI: 0,923; (Q2-zona galbenă). https://doi.org/10.3390/app12104885 WOS:000802528500001 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000802528500001 Dovada Barabaș, S., Florescu, A. (2022). Reduction of Cracks in Marble Appeared at Hydro-Abrasive Jet Cutting Using Taguchi Method. <i>Materials</i>, 15, 486. FI: 3,748; SRI: 2.113; (Q1-zona roșie). https://doi.org/10.3390/ma15020486 WOS:000749829100000 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000749829100001 Dovada Florescu A., Barabaș, S.A. (2020). Modeling and Simulation of a Flexible Manufacturing System - a Basic Component of Industry 4.0., <i>Applied Sciences</i>, 10 (22), 8300, DOI: 10.3390/app10228300, 2020, ISSN 2076-3417, FI: 2,838; SRI: 0,923 (Q2 – zona galbenă). https://doi.org/10.3390/app10228300 WOS:000594966100001 | <p>29,19 p</p> <p>33,74 p</p> <p>29,19 p</p> |



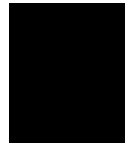
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| <p>articol în reviste din zona roșie și galbenă</p> | | <p>https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000594966100001</p> <p style="text-align: right;">Dovada</p> <p>4. Foriș D., Florescu A., Foriș T., Barabaș S. (2020). Improving the Management of Tourist Destinations: A new approach to Strategic Management at the DMO level by integrating Lean techniques, <i>Sustainability</i>, 12 (23), 10201, DOI: 10.3390/su122310201, ISSN 2071-1050, IF: 3,889; SRI: 0,738 (Q2-zona galbenă). https://doi.org/10.3390/su122310201 WOS:000597512100001 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000597512100001</p> <p style="text-align: right;">Dovada</p> <p>5. Florescu A., Barabaș S., Dobrescu T. (2019). Research on Increasing the Performance of Wind Plants for Sustainable Development, <i>Sustainability</i>, 11 (5), 1266, DOI: 10.3390 / su11051266, 2019, ISSN 2071-1050, 3,889; SRI: 0,717 (Q2-zona galbenă). https://doi.org/10.3390/su11051266 WOS:000462661000050 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000462661000050</p> <p style="text-align: right;">Dovada</p> <p>6. Barabaș, S.A., Florescu A. (2019). Optimization Method of Abrasive Water Jet Cutting Overlay Materials, <i>Metals</i>, 9 (10), 1046, DOI: 10.3390/met910104, FI: 2,695; SRI: 1.41 (Q1-zona roșie). https://doi.org/10.3390/met9101046 WOS:000498219400025</p> | <p>17,22 p</p> <p>22,96 p</p> <p>28,47 p</p> |
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| | | <p>https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000498219400025</p> <p style="text-align: right;">Dovada</p> <p>7. Barbu, M., Fota, A., Calefariu G. (2012). Computer management simulation of tools flow in flexible manufacturing systems, Politehnica University of Bucharest, Romania, <i>Metalurgia International</i>, vol. XVII, nr.12, ISSN 1582-2214, rev. ISI, FI 0,134. (Q4) WOS:000309145500005 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000309145500005</p> <p style="text-align: right;">Dovada</p> <p>8. Calefariu G., Fota A. (2010). Design and management elements influencing on manufacturing systems efficiency, International Conference on CNC Technologies, May 05-07, Politehnica University of Bucharest, Romania, <i>Metalurgia International</i>, vol. 15, pp. 81-84, rev. ISI, FI 0,134. (Q4) WOS:000278729500015 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000278729500015</p> <p style="text-align: right;">Dovada</p> | <p>10,44 p</p> <p>15,67 p</p> |
| | <p>Pentru volume conferințe: 25/(nr. de autori)</p> | <p>1. Florescu, A., Barabaș, B. (2018). Integrating the Lean concept in sustainable manufacturing development, Book Series: IOP Conference Series Material Science and Engineering, Vol. 399, 2018 Book Series: Mater. Sci. Eng., Vol. 399. DOI: 10.1088/1757-899X/399/1/012018; WOS: 000467863900018 http://iopscience.iop.org/article/10.1088/1757-899X/399/1/012018</p> | <p>12,5 p</p> |



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| | | <p>https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000467863900018</p> <p style="text-align: right;">Dovada</p> <p>2. Barabaș, S., Florescu, A., Sârbu, F. (2018). Surface analysis of SAE 3310 carburized steel in environment saturated with carbon nanofibers, 3rd China-Romania Science and Technology Seminar (CRSTS 2018)24–27 April 2018, Brasov, Romania, Book Series IOP: Mater. Sci. Eng., Vol.399. WOS: 000467863900003 https://iopscience.iop.org/article/10.1088/1757-899X/399/1/012003 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000467863900003</p> <p style="text-align: right;">Dovada</p> <p>3. Barabaș, S., Florescu, A. (2017). Analysis of bearings behaviour with cylindrical rollers with variable center of gravity, MATEC Web of Conferences, Vol.94, 2017 Book Series IOP: Mater. Sci. Eng., Vol. 399, https://doi.org/10.1051/mateconf/20179402001 WOS:000393034000014 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000393034000014</p> <p style="text-align: right;">Dovada</p> <p>4. Florescu, A., Barabaș, S. (2017). Decision models in designing flexible production systems, Book Series: MATEC Web of Conference, Vol. 94, 2017, https://doi.org/10.1051/mateconf/20179406007 WOS:000393034000070 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000393034000070</p> <p style="text-align: right;">Dovada</p> | <p>8,33 p</p> <p>12,5 p</p> <p>12,5 p</p> |
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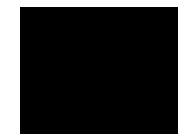
| | | | |
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| | | <p>5. Florescu, A., Barabaș, S., Sârbu, F. (2017). Operational parameters estimation for a flexible manufacturing system. A case study MATEC Web of Conferences, Vol.112, 2017 Book Series: Mater. Sci. Eng., <u>Vol. 399</u>, https://doi.org/10.1051/matecconf/201711205008; WOS:000579349600083 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000579349600083</p> <p style="text-align: right;">Dovada</p> <p>6. Barabaș, S., Florescu, A. (2017). Study of hydrodynamic of large bearings depending on the viscosity of the lubricant, Book Series: MATEC Web of Conferences, Vol. 121, 2017, https://doi.org/10.1051/matecconf/201712103003 WOS:000435283800031 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000435283800031</p> <p style="text-align: right;">Dovada</p> <p>7. Florescu Fota, A., Barabaș, S. (2015). New trends in the architecture and design of production systems, 12th International Conference „Standardization, Prototypes and Quality: A Means of Balkan Countries’ Collaboration” – BCC Kocaeli University, Izmit, Turkey, 2015, ISBN 978-605-83983-0-6 Book Series: Mater. Sci. Eng., <u>Vol.399</u>. WOS:000380591200065 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000380591200065</p> <p style="text-align: right;">Dovada</p> <p>8. Fota, A., Calefariu, G., Barabaș, S., Stoian, N., Olteanu, F.C. (2012). Methods and techniques of analysis and management of flexible production systems, ModTech 2012: New Face of TMCR, Vols. I, II, Book Series: International Conference ModTech Proceedings, pages: 389-392;</p> | <p>8,33 p</p> <p>12,5 p</p> <p>12,5 p</p> <p>5 p</p> |
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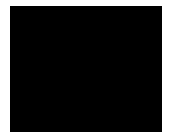
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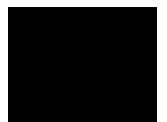
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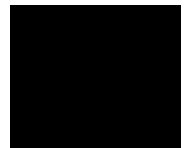
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| 2.2 Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale | | | |
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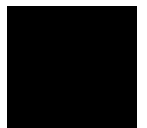
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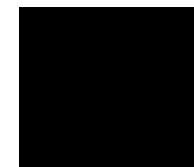
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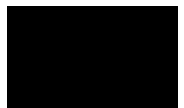
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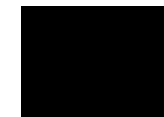
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| | | <p>32. Fota, A., Barabaș, S., Stoian, N., Barbu, M., The optimization of advanced product systems used the fuzzy algorithm, The 13th International Conference of Scientific Papers "Scientific Research and Education in Air Force", 26-28 May 2011, Organized by "Henri Caonda" Air Force Academy in collaboration with "General M.R. Stefanik" Armed Forces Academy and "AIRTEC" Germany, Publishing House of Air Force Academy, Brasov, Romania, ISSN-L: 2247-3173. EBSCO, Indexcopernicus https://journals.indexcopernicus.com/search/details?id=31705 https://www.afahc.ro/afases/volum_afases_2011.pdf</p> <p style="text-align: right;">Dovada</p> | 3,75 p |
| | | <p>33. Barabaș, S., Fota, A., Șerban, C., Stoian, N., Stress analysis with finite element method of large bearings with hollow rollers used in wind turbine system, The 13th International Conference of Scientific Papers "Scientific Research and Education in Air Force", 26-28 May 2011, Brasov, Romania, ISSN-L: 2247-3173. EBSCO, IndexCopernicus. https://journals.indexcopernicus.com/search/details?id=31705 https://www.afahc.ro/afases/volum_afases_2011.pdf</p> <p style="text-align: right;">Dovada</p> | 3,75 p |
| | | <p>34. Fota, A., Barabaș, S.A., The method of designing flexible manufacturing systems. 12th International Conference Of Scientific Papers "Scientific Research And Education In The Air Force", AFASES mai 2010, ISBN: 978-973-8415-76-8 "Henri Coandă" Air Force Academy Brasov, AIRTEC Germania, Armed Forces Academy Slovak. EBSCO, IndexCopernicus https://journals.indexcopernicus.com/search/details?id=31705 https://www.afahc.ro/afases/volum_afases_2010.pdf</p> <p style="text-align: right;">Dovada</p> | 7,5 p |



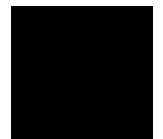
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| | | <p>35. Barabaș, S.A., Șerban, C., Fota, A., Computerized simulation of the carburizing process for the hollow rollers of large bearings. 12th International Conference Of Scientific Papers "Scientific Research And Education In The Air Force", AFASES mai 2010, Henri Coandă Air Force Academy, AIRTEC Germany, Armed Forces Academy Slovak. EBSCO, Indexcopernicus https://journals.indexcopernicus.com/search/details?id=31705 https://www.afahc.ro/afases/volum_afases_2010.pdf</p> <p style="text-align: right;">Dovada</p> <p>36. Barabaș, S.A., Fota, A., Reducing the inertial mass of large bearings in wind turbine systems using hollow rollers, Proceedings of the International Conference on Manufacturing Systems ICMaS'2010, Vol. 5, Special number, pp.349-353, 2010, Editura Academiei Române. IndexCopernicus https://journals.indexcopernicus.com/search/details?id=32006 http://icmas.eu/</p> <p style="text-align: right;">Dovada</p> | <p>5 p</p> <p>7,5 p</p> |
| 2.3 Articole în extenso în reviste/ volumele unor manifestări științifice naționale/ internaționale neindexate | | | |
| Se admit max. două articole la aceeași ediție | 6/ nr. autori (reviste) | <p>1. Fota A., Levels of control and automation in a manufacturing system revista, volum: The Monograph of Faculty of Technical Sciences "Machine Design", Novi-Sad, Serbia, 2007, ISBN: 978-86-7892-038-7.</p> <p style="text-align: right;">Dovada</p> <p>2. Boncoi Gh., Fota A., Georgescu, C., Pretorian, C., Metodă de separare a submulțimilor într-o mulțime de obiecte, International Conference BEYOND 2000: Engineering Research Strategies, Universitatea "Lucian Blaga" Sibiu. În Acta Universitatis</p> | <p>6p</p> <p>1,5 p</p> |



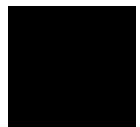
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| | | <p>Cibiniensis, vol. XXXVII, Seria Tehnică, D. Mașini-Unelte și Roboți, 25 – 26 noiembrie 1999, ISSN 1221 – 4949, pag. 37 – 43.</p> <p style="text-align: right;">Dovada</p> <p>3. Boncoi Gh., Fota A., Georgescu, C., Pretorian, C., Metodă de sinteză pentru definirea clasei reperelor care se prelucrează prin procese de prelucrare mecanică, International Conference BEYOND 2000: Engineering Research Strategies, Universitatea "Lucian Blaga" Sibiu. În Acta Universitatis Cibiniensis, vol. XXXVII, Seria Tehnică, D. Mașini-Unelte și Roboți, 25 – 26 noiembrie 1999, ISSN 1221 – 4949, pag. 37 – 43.</p> <p style="text-align: right;">Dovada</p> <p>4. Boncoi Gh., Calefariu G., Fota A., The Concept of Machine Work and Assembly Process – Part.I. Bulletin of the Transilvania University of Brașov, vol.5 (40) – 1998, pag. 155 – 159, CNCSIS B.</p> <p style="text-align: right;">Dovada</p> <p>5. Boncoi Gh., Calefariu G., Fota A., The Concept of Machine Work and Assembly Process – Part.II. Bulletin of the Transilvania University of Brașov, vol.6 (41) – 1999, pag. 147 – 152, CNCSIS B.</p> <p style="text-align: right;">Dovada</p> | <p>1,5p</p> <p>2p</p> <p>2p</p> |
| | 4/ nr. autori (volume conferințe) | <p>1. Florescu, A., Barabaș S. A., Barabaș B., Flexible manufacturing system in the context of digital production development, 15th International Conference "Standardization, Prototypes and Quality: A means of Balkan Countries' Collaboration" in cooperation with Balkan Coordinating Committee (BCC) October 24-25, 2019 Trakya University, Edirne/Turkey, Published by Trakya University Press, No. 218, ISBN 978-975-374-247-4. https://bccconference.trakya.edu.tr/</p> | 1,33 p |



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| | | <p style="text-align: right;">Dovada</p> <p>2. Florescu, A., Barabaș, S. A., New development opportunities by implementing the Industry 4.0 concept. 14th International Conference "Standardization, Prototypes and Quality: A Means of Balkan Countries' Collaboration" September 21 – 22, 2018, Tirana, Albanian Organization for Quality in collaboration with Albanian University, Albanian University Press, ISBN: 978-9928-127-95-2. https://albanianuniversity.edu.al/en/call-for-papers-14th-international-conference-standardization-prototypes-and-quality-a-means-of-balkan-countries-collaboration/</p> | 2p |
| | | <p style="text-align: right;">Dovada</p> <p>3. Barabaș, B., Fota, A., Barabaș, S., Machinability computation for multilayers materials processed by abrasive jet cutting, International Conference on Innovative Technologies, IN-TECH 2015, Dubrovnik, 09. - 11.09.2015</p> | 1,33p |
| | | <p style="text-align: right;">Dovada</p> <p>4. Florescu (Fota), A., Contributions to Lean concept implementation to optimize activity logistics. 11th International Conference „Standardization, Prototypes and Quality: A Means of Balkan Countries' Collaboration” – BCC, 9-11 sept. 2014, Belgrad, Serbia, Proceedings ISBN 978-619-167-048-2.</p> | 4p |
| | | <p style="text-align: right;">Dovada</p> <p>5. Fota A., Organization and development of production systems by implementing Lean production techniques, 10th Anniversary International Conference „Standardization and Related Activities A Means of International and Balkans Collaboration, Sozopol, Bulgaria, 13-14 September 2013, Proceedings, pp. 57-63, ISBN 978-619-167-048-2, Publishing House Technical University of Sofia.</p> <p style="text-align: right;">Dovada</p> | 4p |



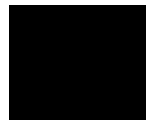
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| | | <p>6. Dumitrascu, A.E., Lepădătescu, B., Fota, A., Case Study Regarding the Implementation of Risks Management Procedure for Flexible Manufacturing Systems, 8th International Conference on "STANDARDIZATION, PROTOTYPES & QUALITY: A MEANS OF BALKAN COUNTRIES' COLLABORATION", 7-8 oct. 2011, Thessaloniki, Grecia.</p> <p style="text-align: right;">Dovada</p> <p>7. Enescu I., Lepădătescu B., Dumitrașcu A.E, Fota A., Simulation of the Roughing and Laminate Processes, 8th International Conference on "Standardization, Prototypes & Quality: A Means of Balkan Countries' Collaboration", 7-8 oct. 2011, Thessaloniki, Grecia.</p> <p style="text-align: right;">Dovada</p> <p>8. Fota A., Lepădătescu B., Dumitrașcu A.E., Models of Evaluating of the Performance Logistic Systems. Proceedings of the 7th International Conference "STANDARDIZATION, PROTOTYPES AND QUALITY: A MEANS OF BALKAN COUNTRIES' COLLABORATION", pp. 165 -172, ISBN 978 -86 -7680 -213 -5, June 8 -9, Belgrad, 2010.</p> <p style="text-align: right;">Dovada</p> <p>9. Lepădătescu B., Dumitrascu A.E., Fota A., Aspects regarding the process of risks evaluation, Proceedings of the 7th International Conference "STANDARDIZATION, PROTOTYPES AND QUALITY: A MEANS OF BALKAN COUNTRIES' COLLABORATION", Faculty of Organizational Sciences, Union of Hellenic Scientists for Prototyping and Standardization (ENEPROT), pp. 146-151, 8-9 June 2010, Belgrade, Serbia, ISBN 978-86-7680-213-5.</p> <p style="text-align: right;">Dovada</p> | <p>1,33p</p> <p>1p</p> <p>1.33p</p> <p>1,33p</p> |
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| | | <p>10. Fota, A., A new approach to integrate modern concepts of production management. Proceedings of the 8th International Conference "Challenges in Higher Education and Research in the 21-st Century" CHR21'10, 2-5 June 2010, Sozopol, Proceedings ISSN: 2683-0337.</p> <p style="text-align: right;">Dovada</p> <p>11. Buzatu, C., Fota A., Dumitrașcu, A.E., Lepădătescu, B., Researches Regarding the Risks Evaluation of Occupational Health and Security, Proceedings of the 6th International Conference "STANDARDIZATION, PROTOTYPES AND QUALITY: A MEANS OF BALKAN COUNTRIES' COLLABORATION", pp. 267 -274, October 9 -10, Thessaloniki, Greece, 2009, ISBN 978 -960 - 87973 - 9 -0.</p> <p style="text-align: right;">Dovada</p> <p>12. Barbu M., Fota A., Calefariu G., Place and Role of Tools within the Manufacturing System. Proceedings of the 7th International Conference on Challenes in Higher Education and Research in the 21st Century, Published by Heron Press, Sofia, Bulgaria, 2009.</p> <p style="text-align: right;">Dovada</p> <p>13. Fota, A., Pretorian, C., Geometric constructive configuration of real products in electric motors assembly, International Conference ICMaS'2004, București, octombrie 2004, Editura Academiei Române, Tome 49, ISBN 973-27-1102-7, pg. 443-447.</p> <p style="text-align: right;">Dovada</p> <p>14. Fota, A., Pretorian, C., Analytical synthesis model of manufactring task for flexible assembling systems of electric engines, Part I, ROBPET 2004, 7th International Conference Automatization / Robotics in theory and practice, May 19-21, 2004,</p> | <p>4p</p> <p>1p</p> <p>1,33p</p> <p>2p</p> <p>2p</p> |
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| | | <p>Universitatea Tehnică din Kosice, Slovak Republic, 2004, ISBN 80-8073-134-9, pg. 168-175.</p> <p style="text-align: right;">Dovada</p> <p>15. Fota, A., Pretorian, C., Analytical synthesis model of manufacturing task for flexible assembling systems of electric engines, Part II, ROBPET 2004, 7th International Conference Automatization / Robotics in theory and practice, May 19-21, 2004, Universitatea Tehnică din Kosice, Slovak Republic, 2004, ISBN 80-8073-134-9, pg. 176-179.</p> <p style="text-align: right;">Dovada</p> <p>16. Fota, A., Boncoi, Gh., Graphical composing and structuring method of flexible manufacturing systems for circular shafts processing, International Conference ICMaS'2002, București, octombrie 2002, Editura Academiei Române.</p> <p style="text-align: right;">Dovada</p> <p>17. Boncoi Gh., Fota A., Family, variant and individual feature analyse of the reference component parts of manufacturing task for FMS, Part II, International Conference TCMM 2000, octombrie 2000, București, Editura Academiei Române, ISBN 973- 31-1492-8, pag. 413-425.</p> <p style="text-align: right;">Dovada</p> <p>18. Boncoi Gh., Fota A., Family, variant and individual feature analyse of the reference component parts of manufacturing task for FMS, Part I, International Conference TCMM 2000, octombrie 2000, București, Editura Academiei Române, ISBN 973- 31-1492-8, pag. 413-419</p> <p style="text-align: right;">Dovada</p> | <p>2p</p> <p>2p</p> <p>2p</p> <p>2p</p> |
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| | | <p>19. Boncoi Gh., Boldiș M., Fota A., Concept of "System" in Process by Mechanical Processing – Part I. International Conference of Machine – Tools, CNMU' 98, București, 1998, România, TCMM nr. 33, ISBN 973- 31- 1236- 4, pag. 335-339. Dovada</p> <p>20. Boncoi Gh., Boldiș M., Fota A., Concept of "System" in Process by Mechanical Processing – Part II. International Conference of Machine – Tools, CNMU' 98, București, 1998, România, TCMM nr.33, ISBN 973- 31- 1236- 4, pag. 339-342. Dovada</p> <p>21. Boncoi Gh., Calefariu G., Fota A., The "State" Concept in the Mechanical Working Processes - Part I. A VIII – a Conferință Internațională de Inginerie Managerială și Tehnologică, TEHNO' 98, Timișoara, 1998, România, ISBN: 973-0 - 00607- 5, vol.II, pag.235-239. Dovada</p> | <p>1,33p</p> <p>1,33p</p> <p>1,33p</p> |
| 2.4 Proprietate intelectuală, brevete de invenție și inovație, etc. | | | |
| | 2.4.1 Internaționale | | |
| | 40/nr. de autori | – | |
| | 2.4.2 Naționale | | |
| | 20/nr. de autori | – | |



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| 2.5 Granturi/ proiecte castigate prin competiție sau contracte cu mediul socio-economic (în valoare de minimum 250000, justificată cu documente care să ateste încasarea sumei) | | | |
| 2.5.1 Director/ Responsabil – Minimum 2D sau 4R pentru Profesor | 2.5.1.1 Internaționale | | |
| | 20*val/ (10 mii E) | | |
| | 2.5.1.2 Naționale | | |
| | 10*val/ (10 mii E) | <p>1. Proiect CNCSIS_UEFISCDI (câștigat prin competiție națională): PN - II – IDEI – PCE – 2 - 2008, Cod ID_PCE 756, <i>Cercetări teoretice si aplicative privind dimensionarea, configurarea și simularea sistemelor flexibile de fabricație pentru prelucrarea arborilor circulari.</i> 2009 – 2011; Valoare: 239338.35 lei = 65236 Euor / 2009-2011; 1E = 3,6688 lei) Dovada</p> <p>2. Contract de cercetare științifică cu mediul socio-economic: Universitatea Transilvania din Brașov, Nr. 14731 / 16.12.2020, <i>Cercetări privind aplicarea tehnologiilor disruptive în domeniul fabricației inteligente</i>, 15.12.2020 – 15.12.2022, PROTEUS DIONA SRL Brașov (Nr. 103/17.12.2020); Valoare: 29750 lei = 6113 Euro; (1E = 4,8663 lei). Dovada</p> <p>3. Proiect CNCSIS_UEFISCDI (câștigat prin competiție națională): PN-III-P1-1.1-MC-2017-1155, Nr. 253/ 2017, <i>Simulation Tool for Assessing the Performance of a Flexible Manufacturing System</i>; Valoare: 6490 lei (1398 Euro; 1E = 4,6422 lei) Dovada</p> | <p>65,23 p</p> <p>6,11 p</p> <p>1,39 p</p> |



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| | | <p>4. Proiect CNCSIS_UEFISCDI (câștigat prin competiție națională): PN-II-MC-2008, cod MC_109/ 09.2008: A. <i>The manufacturing task in flexible manufacturing systems</i>; B. <i>The use of modeling and simulation in the design of FMS</i>.</p> <p>Valoare: 3916,02 lei (1036 Euro; 1E = 3,7794 lei)</p> <p>Dovada</p> | 1,036 |
| 2.5.2 Membru în echipă | 2.5.2.1 Internaționale 4 * nr. ani participare în proiect | <p>1. Program INTERREG IVC, nr. 02666 R1 / 2008, Proiect: <i>DIGITAL CITIES: A network for rapid and sustainable ICT regional adoption</i>, 2008-2011, Responsabil științific. Director de proiect: Prof.dr.ing. <u>Talabă Doru</u></p> <p>Dovada</p> | 12 p |
| | 2.5.2.2 Naționale 2 * nr. ani participare în proiect | <p>1. Proiect PN-III-P2-2.1-PED-2021-3678. Sistem aerian integrat pentru monitorizare inteligentă și aplicații de agricultură de precizie dedicată recoltelor horticole; perioada 24.06.2022 -24.06.2024. Director de proiect Prof.dr.ing. Mircea Boșcoianu. Dovada</p> <p>2. Institut de Cercetare Dezvoltare Inovare Produse HighTech pentru Dezvoltare Durabila PRODD- Inginerie și Management Industrial, Nr. Contract: ID 123, SMIS 2637, ctr. 11/2009. perioada: 2013-2017; <i>coordonator Centru de Cercetare C05B – Inginerie economică și Sisteme de Producție</i>; Director proiect: Prof.dr. ing. Vișa Ioan.</p> <p>Dovada</p> <p>3. Cercetări privind valoarea de piață a cuprului izotopic, Nr. Contract: 108589 / 24.07.2012 perioada: 2012-2015; Director de contract: Prof.dr.ing. Calefariu Gavrilă</p> <p>Dovada</p> <p>4. Cercetări privind aplicarea tehnologiei CNC în cadrul fabricației curente la SC CARFIL SA Brașov Nr. Contract: 14337 / 15.10.2015 perioada:2013-2014; Director de contract: Conf.dr.ing. Sârbu Flavius Aurelian</p> <p>Dovada</p> | 4p 10p 6p 4p |



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| | | <p>5. Cercetări privind cererea, oferta și prețul unitar pe piața cuprului izotopic, Nr. Contract:10858 / 24.07.2012, perioada: 2012-2015; Director de contract: Conf.dr.ing. Sârbu Flavius Aurelian Dovada</p> <p>6. Cercetări privind tehnologii și variante constructive pentru diferite componente de rachetă, Nr. Contract: Contract cu terti 10032/02.09.2015, perioada: 2015; Director de proiect: Șef lucr.dr. ing. Barbu Magdalena Dovada</p> <p>7. Cercetări privind realizarea unui sistem de deformare la cald, în domeniul plastic, a materialelor metalice, utilizate în fabricația curentă a SC Carfil SA Brașov, Nr. Contract: 6206/29.05.2014, perioada: 2014; Director de contract: Conf.dr.ing. Sârbu Flavius Aurelian Dovada</p> <p>8. Cercetări privind starea funcțională și refacerea performanțelor a două utilaje tehnologice de complexitate ridicată, aflate în stare de conservare la S.C. CARFIL S.A. și studiul posibilității utilizării acestora în fabricația curentă, Nr. Contract: 3464 / 24.03.2015, perioada: 2014-2015; Director de contract: Conf. dr. ing. Pisarciuc Cristian Dovada</p> <p>9. Cercetări privind îmbunătățirea constructivă și creșterea performanțelor funcționale ale produselor de iluminat fabricate de S.C. TOHAN S.A., Nr. Contract: 2880 / 12.03.2014 perioada: 2014-2015; Director de contract: Șef lucr.dr. ing. Barbu Magdalena Dovada</p> | <p>6p</p> <p>2p</p> <p>2p</p> <p>2p</p> <p>2p</p> |
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| | <p>10. Cercetari teoretice si aplicative privind modernizarea constructiva (în ceea ce privește durata de iluminarea și intensitatea făcliei) și tehnologică a produselor de iluminat, fabricate la SC TOHAN SA, Nr. Contract: 17969/ 08.12.2009, perioada:2009-2010; Director de proiect: Prof.dr.ing. Calefariu Gavrilă</p> <p style="text-align: right;">Dovada</p> <p>11. Platforma de cercetare pentru <i>Dezvoltări Tehnologice Inovative</i> (PLADETINO) - Contract MedC / CNCSIS, Nr.13/ 2008, Cod CNCSIS 78, 2006-2008; Director de proiect: Prof.dr.ing. Ivan Nicolae-Valentin</p> <p style="text-align: right;">Dovada</p> <p>12. Platforma de cercetare <i>Tehnici si tehnologii de realitate virtuala aplicata in inginerie, medicina si arta</i>, (TRIMA), cod CNCSIS 80, 2006 – 2008; Director de proiect: Prof.dr.ing. Mogan Gheorghe</p> <p style="text-align: right;">Dovada</p> <p>13. Contract cu terți, nr. 13 / 8.04.2008: 2008 - <i>Cercetări și aplicații privind optimizarea procesului de fabricație a sistemului de construcție ecologic durabil SEOUR</i>, valoare: 3000 EUR, Beneficiar: SC ECOCONSTRUCT SA; Director de proiect: Prof.dr.ing. Calefariu Gavrilă</p> <p style="text-align: right;">Dovada</p> <p>14. <i>Modernizarea mașinilor de rectificat. Realizarea unui sistem de răcire centrifugal.</i> Contract nr. 7005/1285/1997 cu CNCSIS, Durata: 1997-1999, 3 ani; Director de proiect: Prof.dr.ing. Cruciat Petru</p> <p style="text-align: right;">Dovada</p> | <p>4p</p> <p>6p</p> <p>6p</p> <p>2p</p> <p>6p</p> |
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| | | <p>15. <i>Modernizarea mașinilor de rectificat. Restructurarea sistemului de avans</i>, Contract nr. 33630/11/26/1999 cu CNCSIS. Termen: 15.11.1999; Director de proiect: Prof.dr.ing. Cruciat Petru Dovada</p> <p>16. <i>Modernizarea mașinilor de rectificat. Studiul evoluției avansului real</i>, Contract nr. 38 / 15 / 1998 cu CNCSIS; Director de proiect: Prof.dr.ing. Cruciat Petru Dovada</p> | <p>2p</p> <p>2p</p> |
| 2.6 Coordonare/ dezvoltare laborator/ centru de cercetare (dacă laboratorul este și didactic, punctajul se ia în calcul o singură dată) | | | |
| Responsabil | 40 | <p>1. Coordonator Centru de cercetare C05B – Inginerie Economică și Sisteme de Producție, Institutul de Cercetare al Universității Transilvania din Brașov. Dovada</p> <p>2. Laborator Mașini și Sisteme de Producție - VP21 (Mașini-unelte cu comandă numerică). Dovada</p> | <p>40 p</p> <p>40 p</p> |
| Total punctaj pentru activitatea de cercetare (A2): | | | 904,09 p |

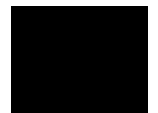


A3. RECUNOAȘTEREA ȘI IMPACTUL ACTIVITĂȚII

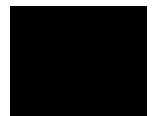
| Categorii și restricții | Indicatori unitari (k _{pi}) | Denumire | | Punctaj |
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| 3.1 Vizibilitate în baze de date internaționale | | | | |
| Număr de citări în publicații (fără autocitări) | 3.1.1 Citări în articole indexate ISI | | | |
| | 10/ nr. autori art. citat | Articol citat | Articol care citează | |
| | | <p>Florescu, A.; Barabas, S.A. Modeling and Simulation of a Flexible Manufacturing System—A Basic Component of Industry 4.0. <i>Appl. Sci.</i> 2020, <i>10</i>, 8300. WOS: 000594966100001 https://doi.org/10.3390/app12104885 Dovada</p> | <ol style="list-style-type: none"> Jamwal, A.; Agrawal, R.; Sharma, M.; Giallanza, A. Industry 4.0 Technologies for Manufacturing Sustainability: A Systematic Review and Future Research Directions. <i>Appl. Sci.</i> 2021, <i>11</i>, 5725. https://doi.org/10.3390/app11125725 Dovada Agnusdei, G.P.; Elia, V.; Gnoni, M.G. Is Digital Twin Technology Supporting Safety Management? A Bibliometric and Systematic Review. <i>Appl. Sci.</i> 2021, <i>11</i>, 2767. https://doi.org/10.3390/app11062767 Dovada Shahbazi, Z.; Byun, Y.-C. Smart Manufacturing Real-Time Analysis Based on Blockchain and Machine Learning Approaches. <i>Appl. Sci.</i> 2021, <i>11</i>, 3535. https://doi.org/10.3390/app11083535 Dovada | <p>5p</p> <p>5p</p> <p>5p</p> |



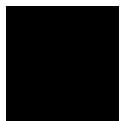
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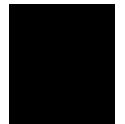
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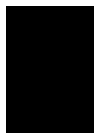
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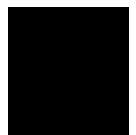
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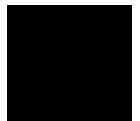
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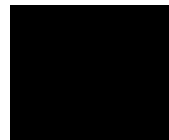
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| | | <p>Florescu, A.; Barabas, S.A. Modeling and Simulation of a Flexible Manufacturing System—A Basic Component of Industry</p> | <p>1. TAN, Chin Sheng; NG, Zhong Jin; TAN, Puay Siew. Modelling of Smart Manufacturing System for Layout and Capacity Planning. In: <i>2022 5th International Conference on Computers in Management and Business (ICCMB)</i>. 2022. p. 161-166. https://doi.org/10.1145/3512676.3512703</p> | <p>2,5 p</p> |



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| | 4.0. <i>Appl. Sci.</i> 2020 , <i>10</i> , 8300. https://doi.org/10.3390/app10228300 WOS: 000594966100001 | 2. Afridi, W. A. K., & Mukhopadhyay, S. C. A Linear Process Analysis and Sensor Applications of a Pilot Water Treatment Plant. <i>Sensing Technology: Proceedings of ICST 2022</i> , 367. https://link.springer.com/book/10.1007/978-3-030-98886-9?noAccess=true#page=368 | 2,5 p |
| | Florescu, A. ; Barabas, S.; Dobrescu, T. Research on Increasing the Performance of Wind Power Plants for Sustainable Development. <i>Sustainability</i> 2019 , <i>11</i> , 1266. https://doi.org/10.3390/su11051266 WOS: 000462661000050 | 1. Mo, Lijuan. "Adum3210 chip based design of the control system of water lifting irrigation based on the internet of things." <i>Microprocessors and Microsystems</i> 82 (2021) Elsevier: 103861. https://www.sciencedirect.com/science/article/abs/pii/S0141933121000405 https://doi.org/10.1016/j.micpro.2021.103861 | 1,66 p |
| | Foris, D.; Florescu, A. ; Foris, T.; Barabas, S. Improving the Management of Tourist Destinations: A New Approach to Strategic Management at the DMO Level by Integrating Lean Techniques. <i>Sustainability</i> 2020 , <i>12</i> , 10201. https://doi.org/10.3390/su122310201 | 1. I. Gregurec, K. Tomičič-Pupek and A. Kutnjak, "Disruption caused business transformations in tourism-related industries," <i>2021 IEEE Technology & Engineering Management Conference - Europe (TEMSCON-EUR)</i> , 2021, pp. 1-6, https://doi.org/10.1109/TEMSCON-EUR52034.2021.9488585 | 1,25 p |
| | Barabas, S.A.; Florescu, A. Optimization Method of Abrasive Water Jet Cutting of Welded Overlay Materials. <i>Metals</i> 2019 , <i>9</i> , 1046. | 1. Dadgar, M., Schreiner, T., Schüler, M., Herrig, T., & Bergs, T. (2021). An Improved Model for Contour Damage Compensation in 3D Waterjet Machining. <i>Procedia CIRP</i> , <i>102</i> , 387-392. | 2,5 p |



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|--|--|--|--|---|
| | | <p>WOS: 000498219400025 https://doi.org/10.3390/met9101046</p> | <p>https://www.sciencedirect.com/science/article/pii/S221282712100809X</p> <p>2. Płaczek, M., & Fabisz, P. A Comparative Analysis of Machining Parameters Influence on Accuracy and Roughness in Waterjet and Laser Cutting. <i>International Journal of Modern Manufacturing Technologies</i> ISSN 2067–3604, Special Issue, Vol. XIII, No. 3 / 2021 https://doi.org/10.54684/ijmmt.2021.13.3.134, https://ijmmt.ro/vol13no32021/18_Paczek.pdf</p> | 2,5 p |
| | | <p>Florescu, A., Barabaș, S., Sârbu, F., Operational parameters estimation for a flexible manufacturing system. A case study, <i>MATEC Web Conf.</i> 112 05008, 2017. DOI: 10.1051/matecconf/201711205008 WOS:000579349600083</p> | <p>1. Yadav, Anupma, and S. C. Jayswal. "Modelling of flexible manufacturing system: a review." <i>International Journal of Production Research</i> 56.7 (2018): 2464-2487, https://doi.org/10.1080/00207543.2017.1387302 https://www.tandfonline.com/doi/abs/10.1080/00207543.2017.1387302</p> <p>2. Yadav, A., Jayswal, S.C. Evaluation of batching and layout on the performance of flexible manufacturing system. <i>Int J Adv Manuf Technol</i> 101, 1435–1449, 2019. https://doi.org/10.1007/s00170-018-2999-1 https://link.springer.com/article/10.1007/s00170-018-2999-1</p> <p>3. Yadav, A. and Jayswal, S.C., An Analytical and Simulation Approach for Modeling Flexible Manufacturing System, 2018 <i>IOP Conf. Ser.: Mater. Sci. Eng.</i> 404</p> | <p>1,66 p</p> <p>1,66 p</p> <p>1,66 p</p> |

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| | | | <p>https://iopscience.iop.org/article/10.1088/1757-899X/404/1/012025/meta</p> <p>4. McCurrey, Michael. <i>Probabilistic Algorithms, Lean Methodology Techniques, and Cell Optimization Results</i>. Diss. Walden University, 2019, 27671336, https://www.proquest.com/openview/6c990a25fc0a5d12c83bfbdd50279970/1?pq-origsite=gscholar&cbl=18750&diss=y</p> <p>5. Yadav, A., and Jayswal, S.C., Enhancing the performance parameters of flexible manufacturing system using decision-making techniques. <i>International Journal of Process Management and Benchmarking</i> 11.2 (2021): 290-308. https://www.inderscienceonline.com/doi/abs/10.1504/IJPMB.2021.113737</p> | 1,66 p |
| 3.1.3 Citări în alte publicații | | | | |
| 3/ nr. autori art. citat | Barabas, S.A.; Florescu, A. Optimization Method of Abrasive Water Jet Cutting of Welded Overlay Materials. <i>Metals</i> 2019 , <i>9</i> , 1046. WOS: 000498219400025 https://doi.org/10.3390/met9101046 | 1. Ramalho, Armando Lopes, et al. Enhanced Reconditioning of Heavy-Duty Pulp Industry Equipment: Advantages of Abrasive Waterjet Cutting. <i>Handbook of Research on Driving Industrial Competitiveness with Innovative Design Principles</i> . IGI Global, 2020. 219-235. DOI: 10.4018/978-1-7998-3628-5.ch015, https://www.igi-global.com/chapter/enhanced-reconditioning-of-heavy-duty-pulp-industry-equipment/258714 | 1.5 p | |
| | | 2. Yoshigoe, Y. L. Y. Z. K., Zhang, S., & Chen, M. Simulating a high-speed abrasive particle impacting on a tensile block using SPH- | 1.5 p | |



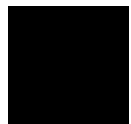
| | | | | |
|---|----------------------|---|---|-------|
| | | | FEM. https://web.archive.org/web/20210410000533id_/https://assets.researchsquare.com/files/rs-332088/v1_stamped.pdf | |
| | | Florescu, A.; Barabas, S.A. Modeling and Simulation of a Flexible Manufacturing System—A Basic Component of Industry 4.0. <i>Appl. Sci.</i> 2020 , <i>10</i> , 8300. https://doi.org/10.3390/app10228300 WOS: 000594966100001 | 1. Martin, N. L., Dér, A., Langer, A., Henningsen, N., Ortmeier, C., Abraham, T., & Herrmann, C. (2021). Simulation Based Assessment of Lean and Industry 4.0 Measures in Changeable Production Systems. <i>Simulation in Produktion und Logistik</i> , 21-30. https://books.google.ro/books?hl=ro&lr=&id=O1NBEAAAQBAJ&oi=fnd&pg=PA21&ots=1P11HBqBli&sig=cCCjUyCl6xNjogkGqBxHDMmzhdM&redir_esc=y#v=onepage&q&f=false | 1,5 p |
| 3.2 Prezentări efectuate ca invitat/ invitată in plenul unor manifestări științifice naționale și internaționale și Profesor invitat (exclusiv ERASMUS) | | | | |
| Număr de prezentări | 3.2.1 În străinătate | | | |
| | 20 | - | | |
| | 3.2.2 În țară | | | |
| | 10 | - | | |
| 3.3 (a) Membru în colectivele de redacție sau comitete științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice (b) Recenzent pentru reviste și manifestări științifice naționale și internaționale indexate ISI | | | | |
| | 3.3.1 Indexate ISI | | | |



| | | | |
|---|---------------------------|--|--|
| Punctajul se ia în calcul o singură dată pentru o revistă sau o manifestare științifică | 10 | <ol style="list-style-type: none"> 1. International Journal of Advanced Manufacturing Technology, ISSN 0268-3768, International Journal of Advanced Manufacturing Technology, FI = 2.601, Springer 2017-prezent, https://www.springer.com/engineering/industrial+management/journal/170 Dovada 2. Sustainability, ISSN: 2071-1050, https://www.mdpi.com/journal/sustainability Dovada 3. Applied Sciences-Basel, ISSN: 2076-3417, FI – 2,679, https://www.mdpi.com/journal/applsci Dovada 4. Processes, ISSN: 2227-9717, FI-2,847, https://www.mdpi.com/journal/processes Dovada 5. Energies, ISSN: 1996-1073, FI 3,004, https://www.mdpi.com/journal/energies Dovada 6. Computing and Solutions in Manufacturing Engineering 2016 – CoSME '16 MATEC Web of Conferences revista: MATEC Web of Conferences 2016. http://www.unitbv.ro/cosme16/images/CoSME16%20ISI%20WoS%20Indexing.jpg Dovada 7. 12th International Conference on “Standardization, Prototypes and Quality: A Means of Balkan Countries’ collaboration” October 22-24, 2015, Kocaeli University Izmit, Kocaeli, Turkey, Proceedings ISI; http://apps.webofknowledge.com.am.e-information.ro/Search.do?product=WOS&SID=D4uC9rGrvU2mHelgwhi&search_mode=GeneralSearch&prID=790fbe71-fab8-4177-a943-e613189c3567 Dovada | 10 p 10 p 10 p 10 p 10 p 10 p 10 p |
| | 3.3.2 Indexate BDI | | |
| | 8 | <ol style="list-style-type: none"> 1. Int. J. of Business Innovation and Research; ISSN 1751-0252; revista BDI Scopus (Elsevier); https://www.inderscience.com/jhome.php?jcode=ijbir Dovada | 8 p |



| | | | |
|--|--|---|-----|
| | | 2. International Journal of Mechanical Engineering and Robotics Research (IJMERR); ISSN 2278-0149 (Scopus); http://www.ijmerr.com/ Dovada | 8 p |
| | | 3. International Journal of Industrial and Systems Engineering (IJISE), revista BDI, Scopus (Elsevier) http://www.inderscience.com/jhome.php?jcode=ijise Dovada | 8 p |
| | | 4. International Journal of Productivity and Quality Management (IJPQM), revista BDI, Scopus (Elsevier) http://www.inderscience.com/jhome.php?jcode=ijpqm Dovada | 8 p |
| | | 5. International Journal of Services and Operations Management, revista:International Journal of Services and Operations Management, ISSN 1744-2370, BDI: Scopus (Elsevier) https://www.inderscience.com/jhome.php?jcode=ijssom Dovada | 8 p |
| | | 6. Indian Journal of Science and Technology, revista: Indian Journal of Science and Technology ISSN 0974-6846, BDI: Index Copernicus, UlrichsWeb, EBSCO, DOAJ. http://www.indjst.org/ Dovada | 8 p |
| | | 7. International Journal of Business Excellence revista:International Journal of Business Excellence, ISSN 1756-0047, BDI: Scopus (Elsevier) https://www.inderscience.com/jhome.php?jcode=ijbex Dovada | 8 p |
| | | 8. Int. J. of Process Management and Benchmarking (Scopus), https://www.inderscience.com/jhome.php?jcode=ijpmb Dovada | 8 p |
| | | 9. International Journal of Operational Research (IJOR), ISSN 1745-7653, Scopus (Elsevier) https://www.inderscience.com/jhome.php?jcode=ijor Dovada | 8 p |



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|--|---------------------|---|------|
| | | 10. International Journal of Business Forecasting and Marketing Intelligence (IJBFMI), ISSN 1744-6643 https://www.inderscience.com/jhome.php?jcode=ijbfmi Dovada | 8 p |
| | | 11. Membru Comitet Științific ICMAS și recenzent, Universitatea Politehnica din București, International Conference on Manufacturing Systems ICMA'S'2009-prezent, Editura Academiei Române; https://rjts-applied-mechanics.ro/index.php/rjts , http://conference.icmas.eu/2017/01/06/international-scientific-committee/ Dovada | 8 p |
| | | 12. Membru Comitet Științific International Conference on Economic Engineering and Manufacturing Systems – ICEEMS, revista RECENT, Universitatea Transilvania din Brasov, 2001-2011. Dovada | 8 p |
| | | 13. Membru în Comitetul științific și recenzent: Internațional Conference on Mechanical Engineering and Robotics Research (ICMERR), IEEE Conferences; 2017-prezent; http://www.icmerr.com/com.html Dovada | 8 p |
| 3.3.3 Naționale și internaționale neindexate | | | |
| | 5 | - | - |
| 3.4 Experiență de management, analiză și evaluare în cercetare și/ sau învățământ | | | |
| | 3.4.1 Conducere | | |
| | 5 * ani desfășurare | 1. Coordonator CEAC-D, perioada: 2012-prezent Dovada | 50 p |
| | | 2. Coordonator centru de cercetare C05B, perioada: 2013-prezent https://icdt.unitbv.ro/ro/despre-noi.html Dovada | 45 p |



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|--|----|---|---------------------------|
| 3.4.2 Membru | | | |
| 2 * ani desfășurare | 1. | Consiliul Facultății Inginerie Tehnologica și Management Industrial, perioada: 2020-prezent https://itmi.unitbv.ro/ro/despre/consiliul-facult%C4%83%C8%9Bii.html | 20 p <u>Dovada</u> |
| | 2. | Consiliul Departamentului Inginerie si Management Industrial, Perioada: 2012-prezent https://itmi.unitbv.ro/ro/despre/inginerie-si-management-industrial.html | 3 p <u>Dovada</u> |
| | 3. | Secretar științific Catedra Inginerie Economică și Sisteme de Producție, perioada: 2000-2012 | 24 p <u>Dovada</u> |
| | 4. | Comisii de Concurs didactic /prof. univ., conf. univ. 2014-2022 | 16 p <u>Dovada</u> |
| | 5. | Comisii Licența/Disertatie 2006-2022 | 34 p <u>Dovada</u> |
| | 6. | Comisii Admitere master 2012-2022 | 20 p <u>Dovada</u> |
| 3.5 Premii | | | |
| 3.5.1 Academia Română | | | |
| | 30 | - | - |
| 3.5.2 ASAS, AOSR, academii de ramură și CNCS | | | |
| | 15 | 1. PN-III-P1-1.1-PRECISI-2019-33900. Resurse Umane - Premiera rezultatelor cercetării - Articole, Competitia 2019, Articol rev. Sustainability, ISSN 2071-1050, ISI Impact Factor: 2,592; SRI: 0,717, zona Q2 <u>Dovada</u> | 15 p |



| | | | |
|--|-----------------------------------|--|------|
| | | 2. PN-III-P1-1.1-PRECISI-2020-46043. Resurse Umane - Premiera rezultatelor cercetării - Articole, Competitia 2020, Articol rev. Metals, ISSN 2075-4701, ISI Impact Factor: 2,117; SRI: 0,992, zona Q1 Dovada | 15 p |
| | | 3. PN-III-P1-1.1-PRECISI-2021-57730, Modeling and Simulation of a Flexible Manufacturing System-A Basic Component of Industry 4.0; Competitia 2021, Articole, https://uefiscdi.gov.ro/resource-868446-precisi2021_lista-1-partial-2_rezultate-eligibilitate_actualizare-26.11.2021.pdf AnAcordare:2021 Dovada | 15 p |
| | | 4. PN-III-P1-1.1-PRECISI-2021-59010, Improving the Management of Tourist Destinations: A New Approach to Strategic Management at the DMO Level by Integrating Lean Techniques, Competitia 2021 - Articole, https://uefiscdi.gov.ro/resource-868446-precisi2021_lista-1-partial-2_rezultate-eligibilitate_actualizare-26.11.2021.pdf AnAcordare:2021 Dovada | 15 p |
| | 3.5.3 Premii internaționale | | |
| | 10 | | - |
| | 3.5.4 Premii naționale în domeniu | | |
| | 5 | 1. Diploma of Honour International Conference of Manufacturing Systems - ICMaS Universitatea Politehnica București, 2008. Dovada | 5 p |
| 3.6 Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații în domeniul educației și cercetării | | | |
| | 3.6.1 Academia Română | | |
| | 100 | - | - |



| | | | |
|--|--|---|---|
| | 3.6.2 ASAS, AOSR, academii de ramură | | |
| | 20 | - | - |
| | 3.6.3 Conducere asociații profesionale | | |
| | 3.6.3.1 Internaționale | | |
| | 30 | - | - |
| | 3.6.3.2 Naționale | | |
| | 10 | - | - |
| | 3.6.4 Asociații profesionale | | |
| | 3.6.4.1 Internaționale | | |
| | 5 | <p>1. Balkan Coordinating Committee, Central Secretariat of the Balkan Coordinating Committee (BCC) by the Union of Hellenic Scientists for Protypation and Standardization (ENEPROT). http://protypation.web.auth.gr/eneprotEN/die8neis.htm</p> <p>2. American Society for Engineering Management – ASEM https://www.asem.org/Professional-Membership</p> | <p>Dovada 5 p</p> <p>Dovada 5 p</p> |
| | 3.6.4.2 Naționale | | |
| | 3 | <p>1. Asociația Generală a Inginerilor din România (AGIR) https://www.agir.ro/</p> <p>2. Asociația Managerilor și a Inginerilor Economisți din România (AMIER), Cluj-Napoca http://www.amier.org/</p> <p>3. Asociația ICMAS, Universitatea Politehnica din București http://www.icmas.eu/</p> | <p>Dovada 3 p</p> <p>Dovada 3 p</p> <p>Dovada 3 p</p> |



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|---|--|--|------------------------|-----------------|
| | | 4. Societatea de Robotică din Romania http://www.robotics-society.ro/ ; http://www.robotics-society.ro/filiale/brasov.pdf | Dovada | 3 p |
| | | 5. Asociația Română de Tehnologii Neconvenționale (ARTN) http://www.artn.ro/ | Dovada | 3 p |
| 3.6.5 Organizații în domeniul educației și cercetării | | | | |
| 3.6.5.1 Conducere | | | | |
| 10 | | - | | - |
| 3.6.5.2 Membru | | | | |
| 5 | | 1. ARACIS - expert evaluator Comisia C11 perioada:2010-prezent http://pfe.aracis.ro/inscriere/registru/lista_c_d/13/55/ | Dovada | 5 p |
| | | 2. Expert evaluator UEFISCDI: CDI_PN II perioada:2009-prezent http://www.experti-cdi.ro/search_results.php | Dovada | 5 p |
| Total punctaj pentru activitatea recunoașterea și impactul activității (A3): | | | | 745.01 p |

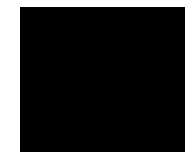


Condiții minime privind punctajul

| Nr. crt. | Domeniul de activitate | Condiții minime pentru Profesor / Abilitare | Punctaj realizat |
|---------------|---|---|-----------------------|
| 1. | Activitatea didactică / profesională (A1) | 130 puncte | 282,12 puncte |
| 2. | Activitatea de cercetare (A2) | 300 puncte | 904,09 puncte |
| 3. | Recunoașterea impactului activității (A3) | 100 puncte | 745,01 puncte |
| TOTAL: | | 530 puncte | 1931,22 puncte |

7.07.2022

Prof.dr.ing. Adriana FLORESCU



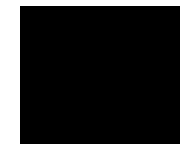
Domeniul fundamental: **Științe ingineresti**

Domeniul: **Inginerie și management**

Comisia CNATDCU de specialitate: **Ingineria și managementul producției**

Centralizator de îndeplinire a Stadarelor minime necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare – dezvoltare

| Domeniul de activitate | Condiții minime Profesor / Abilitare | Realizat |
|--|---|--|
| 1. Activitatea didactică/ profesională (A1) | Minimum 130 puncte | 282,12 puncte |
| | 1.1.1 Cărți/manuale/monografii/capitole de specialitate ca autor Profesor: minimum 2 de prim autor | 9 cărți (2 prim/unic autor) |
| | 1.1.2 Suporturi de curs/îndrumare Profesor: minimum 4, din care 2 prim autor | 7 suporturi de curs / îndrumare (2 prim autor) |
| 3. Activitatea de cercetare (A2) | Minimum 300 puncte | 904,09 puncte |
| | 2.1 Articole indexate în reviste ISI Thomson Reuters și în volumele unor manifestări științifice indexate ISI Thomson Reuters, vizibile în baza de date De la ultima promovare (1.10.2009) | |
| | Minimum 8 articole, din care 3 în reviste, minimum 3 ca autor principal, pentru Profesor Pentru Profesor și CS1, începând din 2018 – minimum 1 articol în reviste din zona roșie sau galbenă | 28 articole în reviste ISI Thomson Reuters și în volumele unor manifestări științifice indexate ISI Thomson Reuters; 22 articole de la ultima promovare (9 ca autor principal); 8 articole în reviste ISI Thomson Reuters; |



| | | |
|---|--|--|
| | | 6 articole în reviste ISI Thomson Reuters din zona roșie sau galbenă (3 ca autor principal; 2 autor de corespondență) |
| | 2.2 Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale De la ultima promovare: minimum 8 pentru Profesor | 36 articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale; 33 de la ultima promovare. |
| | 2.5 Granturi/proiecte câștigate prin competiție sau contracte cu mediul socio-economic (în valoare de minimum 25000 lei) Director / Responsabil – minimum 2D sau 4R pentru profesor | 3 proiecte câștigate prin competiție în calitate de Director 1 contract de cercetare științifică cu mediul socio-economic (în valoare de 29750 lei) în calitate de Director |
| 3. Recunoașterea impactului activității (A3) | Minimum 100 puncte | 745.01 puncte |

7.07.2022

Prof. dr. ing. Adriana FLORESCU

