

Anexa nr.5 - Metodologia de concurs pentru ocuparea posturilor didactice și de cercetare vacante din UTCB – Lista de lucrări publicate

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| Candidat | SASU ANCA-RUXANDRA |
| Lista celor maximum 10 lucrări relevante pentru realizările profesionale ale candidatului. (pentru ocuparea postului de profesor universitar se vor specifica lucrările realizate după dobândirea atestatului de abilitare). | |
| 1 | Rus D., Florescu V., Bausic F., Ursache R, Sasu A. <i>An analytical interpretation of the high temperature linear contact between composite materials reinforced with glass fibers and steel</i> , 9TH INTERNATIONAL CONFERENCE ON TRIBOLOGY (BALKANTRIB'17), Volume 295 DOI 10.1088/1757-899X/295/1/012015 Published 2018 https://www.webofscience.com/wos/woscc/full-record/WOS:000448617300015 |
| 2 | Rus D., Florescu V., Bausic F., Ursache R, Sasu A. <i>Graphical assessment of the linear contact steel on composite material at high temperature and pressure</i> , 9TH INTERNATIONAL CONFERENCE ON TRIBOLOGY (BALKANTRIB'17) Volume 295 DOI 10.1088/1757-899X/295/1/012014 Published 2018 https://www.webofscience.com/wos/woscc/full-record/WOS:000448617300014 |
| 3 | Mocanu S., Dumitriu C.S., Sasu A.-R., Tonciu O. <i>Case Study of the Stress and Deformation in Spring Body as a Mechanical Dumping Element</i> (2023), International Conference on Electrical, Computer, Communications and Mechatronics Engineering, ICECCME 2023, DOI: 10.1109/ICECCME57830.2023.10252175 https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174002809&doi=10.1109%2fICECCME57830.2023.10252175&partnerID=40&md5=c0a33c18e08fc27ad08f50a3b345b5ff |
| 4 | Mocanu Ș., Dumitriu C.Ș., Sasu A.R. <i>Structures' Global Stiffness, a Criterion for the Materials' Selection</i> (2024), Lecture Notes in Civil Engineering, 510 LNCE, pp. 61 – 70, DOI: 10.1007/978-3-031-60765-3_6 https://www.scopus.com/inward/record.uri?eid=2-s2.0-85194251894&doi=10.1007%2f978-3-031-60765-3_6&partnerID=40&md5=7cee43f82e48336a747e1b8fe88b83c8 |
| 5 | Mocanu S., Sasu A., Olteanu G., Dumitriu C.S., Florescu V. <i>STUDY ON WEAR PHENOMENA IN CASES OF CYCLIC IMPACT WITH MICRO-SLIP</i> (2023), International Journal of Mechatronics and Applied Mechanics, 13, pp. 253 – 260 DOI: 10.17683/ijomam/issue13.31 https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165164268&doi=10.17683%2fijomam%2fissue13.31&partnerID=40&md5=52f246b313e863d9fea8f90644fbaa0a |
| 6 | Dumitriu C.Ū., Mocanu Ș., Panaitescu R., Sasu A.R., Tonciu O. <i>Genetic Algorithm Approach for Modeling the Structural Global Stiffness †</i> (2023), Engineering Proceedings, 39 (1), art. no. 32 DOI: 10.3390/engproc2023039032 https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172759287&doi=10.3390%2fengproc2023039032&partnerID=40&md5=7f1467dc57f8185fea32493eb884996d |

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| 7 | Anca Ruxandra Sasu, Cristian Pavel, Dragoș- Bogdan Vida si Cristian Ștefan Dumitriu (autor corespondent) „ Stand With a High Degree of Universality for Prediction of Reliability and Tribological Behavior Studies for Materials Used in Transport Industry ,ROMANIAN JOURNAL OF TRANSPORT INFRASTRUCTURE, <u>Volume 13 (2024): Issue 1 (July 2024)</u> |
| 8 | Sasu A., Ursache R., Panaitescu-Liess R. <i>Un model biomecanic cu patru grade de libertate al membrului inferior uman</i> , - Sinteze de Mecanică Teoretică și Aplicată, Volumul 7 (2016), Numărul 4, pag. 343 - 348 |
| A. Teza sau tezele de doctorat | |
| A1 | Contribuții privind comportarea tribologică a implanturilor ortopedice |
| A2 | |
| B. Brevete de invenție și alte titluri de proprietate intelectuală | |
| B1 | |
| B2 | |
| C. Cărți și capitole din cărți | |
| C1 | Florin Bausic, Virgil Florescu, Dorin Rus, Robert Ursache, Anca Sasu, Ancuta Neagu – <i>Organe de masini pentru ingineri instalatori. Teme de laborator</i> . Matrix Rom, Bucuresti |
| C2 | |
| D. Articole / studii in extenso, publicate în reviste din fluxul științific internațional principal | |
| D1 | Mocanu Ș., Dumitriu C.Ș., Sasu A.R. <i>Structures' Global Stiffness, a Criterion for the Materials' Selection</i> (2024), Lecture Notes in Civil Engineering, 510 LNCE, pp. 61 – 70, DOI: 10.1007/978-3-031-60765-3_6, International Scientific Conference Civil Engineering and Buildings Services https://www.scopus.com/inward/record.uri?eid=2-s2.0-85194251894&doi=10.1007%2f978-3-031-60765-3_6&partnerID=40&md5=7cee43f82e48336a747e1b8fe88b83c8 |
| D2 | Mocanu S., Sasu A., Olteanu G., Dumitriu C.S., Florescu V. <i>STUDY ON WEAR PHENOMENA IN CASES OF CYCLIC IMPACT WITH MICRO-SLIP</i> (2023), International Journal of Mechatronics and Applied Mechanics, 13, pp. 253 – 260 DOI: 10.17683/ijomam/issue13.31 https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165164268&doi=10.17683%2fijomam%2fissue13.31&partnerID=40&md5=52f246b313e863d9fea8f90644fbaa0a |
| D3 | Anca Ruxandra Sasu, Cristian Pavel, Dragoș- Bogdan Vida si Cristian Ștefan Dumitriu (autor corespondent) „ Stand With a High Degree of Universality for Prediction of Reliability and Tribological Behavior Studies for Materials Used in Transport Industry ,ROMANIAN JOURNAL OF TRANSPORT INFRASTRUCTURE, <u>Volume 13 (2024): Issue 1 (July 2024)</u> |
| E. Publicații în extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate. | |
| E1 | Rus D., Florescu V., Bausic F., Ursache R, Sasu A. <i>An analytical interpretation of the high temperature linear contact between composite materials reinforced with glass fibers and steel</i> , 9TH INTERNATIONAL CONFERENCE ON TRIBOLOGY (BALKANTRIB'17), Volume 295 DOI 10.1088/1757-899X/295/1/012015 Published 2018 https://www.webofscience.com/wos/woscc/full-record/WOS:000448617300015 |

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| E2 | Rus D., Florescu V., Bausic F., Ursache R, Sasu A. <i>Graphical assessment of the linear contact steel on composite material at high temperature and pressure</i> , 9TH INTERNATIONAL CONFERENCE ON TRIBOLOGY (BALKANTRIB'17) Volume 295 DOI 10.1088/1757-899X/295/1/012014 Published 2018 https://www.webofscience.com/wos/woscc/full-record/WOS:000448617300014 |
| E3 | Mocanu S., Dumitriu C.S., Sasu A.-R., Tonciu O. <i>Case Study of the Stress and Deformation in Spring Body as a Mechanical Dumping Element</i> (2023), International Conference on Electrical, Computer, Communications and Mechatronics Engineering, ICECCME 2023, DOI: 10.1109/ICECCME57830.2023.10252175 https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174002809&doi=10.1109%2fICECCME57830.2023.10252175&partnerID=40&md5=c0a33c18e08fc27ad08f50a3b345b5ff |
| E4 | Dumitriu C.Ú., Mocanu Ş., Panaitescu R., Sasu A.R., Tonciu O. <i>Genetic Algorithm Approach for Modeling the Structural Global Stiffness †</i> (2023), Engineering Proceedings, 39 (1), art. no. 32 DOI: 10.3390/engproc2023039032 https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172759287&doi=10.3390%2fengproc2023039032&partnerID=40&md5=7f1467dc57f8185fea32493eb884996d Presented at the 9th International Conference on Time Series and Forecasting, Gran Canaria, Spain, 12–14 July 2023. |
| F. Contracte | |
| F1 | |
| F2 | |

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| Candidat: SASU ANCA-RUXANDRA | Semnătura  | Data 20.12.2024 |
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