

Anexa nr.6b - Metodologia de concurs pentru ocuparea posturilor didactice și de cercetare vacante din UTCB – Fișa candidatului (șef lucrări/asistent)

Îndeplinirea standardelor pentru postul de (se marchează cu x căsuța corespunzătoare)

Șef lucrări	Asistent
X	

publicat în Monitorul Oficial Partea a III-a numărul	395	din data	28.11.2024
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Candidat	SASU ANCA-RUXANDRA
Data nașterii	10.07.1984
Funcția actuală	Asistent universitar
Data numirii în funcția actuală:	26.09.2022
Instituția	Universitatea Tehnică de Cnstrucții București

Lucrări elaborate și publicate	
1. 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	
2. 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	
3. 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	
4. 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=2s2.085174002809&doi=10.1109%2fICECCME57830.2023.10252175&partnerID=40&md5=c0a33c18e08fc27ad08f50a3b345b5ff	
5. 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%2f978-3-03160765-3_6&partnerID=40&md5=7cee43f82e48336a747e1b8fe88b83c8	

6. Mocanu S., Sasu A., Olteanu G., Dumitriu C.S., Florescu V. *STUDY ON WEAR PHENOMENA IN CASES OF CYCLIC IMPACT WITH MICRO-SLIP* (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-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165164268&doi=10.17683%2fijomam%2fissue13.31&partnerID=40&md5=52f246b313e863d9fea8f90644fbaa0a)

[85165164268&doi=10.17683%2fijomam%2fissue13.31&partnerID=40&md5=52f246b313e863d9fea8f90644fbaa0a](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165164268&doi=10.17683%2fijomam%2fissue13.31&partnerID=40&md5=52f246b313e863d9fea8f90644fbaa0a)

7. Dumitriu C.Ú., Mocanu Ș., Panaitescu R., Sasu A.R., Tonciu O. *Genetic Algorithm Approach for Modeling the Structural Global Stiffness †* (2023), Engineering Proceedings, 39 (1), art. no. 32

DOI: 10.3390/engproc2023039032

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172759287&doi=10.3390%2fengproc2023039032&partnerID=40&md5=7f1467dc57f8185fea32493eb884996d)

[85172759287&doi=10.3390%2fengproc2023039032&partnerID=40&md5=7f1467dc57f8185fea32493eb884996d](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172759287&doi=10.3390%2fengproc2023039032&partnerID=40&md5=7f1467dc57f8185fea32493eb884996d)


8. 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, Volume 13 (2024): Issue 1 (July 2024)

9. Sasu A., Ursache R., Panaitescu-Liess R. *Un model biomecanic cu patru grade de libertate al membrului inferior uman*, - Sinteze de Mecanică Teoretică și Aplicată, Volumul 7 (2016), Numărul 4, pag. 343 - 348

Teza/ele de doctorat	Contribuții privind comportarea tribologică a implanturilor ortopedice
Articole semnificative in reviste (revista cu referințe complete : denumire/număr/an /pagini)	<p>1. 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</p> <p>2. 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</p> <p>3. 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></p>
Publicații în extenso, la conferințe de specialitate	<p>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</p>

	<p>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</p>
	<p>https://www.webofscience.com/wos/woscc/full-record/WOS:000448617300014</p>
	<p>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</p>
	<p>https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174002809&doi=10.1109%2fICECCME57830.2023.10252175&partnerID=40&md5=c0a33c18e08fc27ad08f50a3b345b5ff</p>
	<p>4. Dumitriu C.Ú., Mocanu S., 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</p>
	<p>https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172759287&doi=10.3390%2fengproc2023039032&partnerID=40&md5=7f1467dc57f8185fea32493eb884996d</p>
	<p>Presented at the 9th International Conference on Time Series and Forecasting, Gran Canaria, Spain, 12–14 July 2023.</p>

Prorector de resort	Semnătura	Data
Candidat: SASU ANCA-RUXANDRA		20.12.2024