

**Lista de lucrări în domeniul de studii universitare de licență
INGINERIA SECURITĂȚII ÎN INDUSTRIE**

Numele și prenumele: CAZAC ALIN MARIAN

A. Teza de doctorat: „Studii și cercetări privind unele aliaje nanostructurate obținute prin deformare plastică severă”

B. Lucrări științifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.

1. **Cazac, A.M.**, Bejinariu, C., Ionita, I., Toma, S.L., Rodu, C., Design and Implementation of a Device for Nanostructuring of Metallic Materials by Multiaxial Forging Method. Edited by: Slatineanu, L; Merticaru, V; Nagit, G; Coteata, M; Axinte, E; Dusa, P; Ghenghea, L; Negoescu, F; Lupescu, O; Tita, I; Dodun, O; Musca, G, ENGINEERING SOLUTIONS AND TECHNOLOGIES IN MANUFACTURING, Book Series: Applied Mechanics and Materials, Volume: 657, Pages: 193-197, DOI: 10.4028/www.scientific.net/AMM.657.193, Published: 2014, Conference: Innovative Manufacturing Engineering Conference (IManE), Location: Chisinau, MOLDOVA, Date: MAY 29-30, 2014, Publisher: TRANS TECH PUBLICATIONS LTD, LAUBLSRUTISTR 24, CH-8717 STAFA-ZURICH, SWITZERLAND, Document Type: Proceedings Paper, Language: English, ISBN: 978-3-03835-275-4, ISSN: 1660-9336.

2. **Cazac, A.M.**, Bejinariu, C., Baciuc, C., Toma, S.L., Florea, C.D., Experimental Determination of Force and Deformation Stress in Nanostructuring Aluminium by Multiaxial Forging Method. Edited by: Slatineanu, L; Merticaru, V; Nagit, G; Coteata, M; Axinte, E; Dusa, P; Ghenghea, L; Negoescu, F; Lupescu, O; Tita, I; Dodun, O; Musca, G, ENGINEERING SOLUTIONS AND TECHNOLOGIES IN MANUFACTURING Book Series: Applied Mechanics and Materials, Volume: 657, Pages: 137-141, DOI: 10.4028/www.scientific.net/AMM.657.137, Published: 2014, Conference: Innovative Manufacturing Engineering Conference (IManE), Location: Chisinau, MOLDOVA, Date: MAY 29-30, 2014, Publisher: TRANS TECH PUBLICATIONS LTD, LAUBLSRUTISTR 24, CH-8717 STAFA-ZURICH, SWITZERLAND, Document Type: Proceedings Paper, Language: English, ISBN: 978-3-03835-275-4, ISSN: 1660-9336.

3. Georgescu, I.S., **Cazac, A.M.**, Baciuc, E.R., Bejinariu, C., Baciuc, C., Toma, S.L., Experimental Studies on Adherence Resistance of Thermally Sprayed Metallic Coatings. Edited by: Slatineanu, L; Merticaru, V; Nagit, G; Coteata, M; Axinte, E; Dusa, P; Ghenghea, L; Negoescu, F; Lupescu, O; Tita, I; Dodun, O; Musca, G, ENGINEERING SOLUTIONS AND TECHNOLOGIES IN MANUFACTURING, Book Series: Applied Mechanics and Materials, Volume: 657, Pages: 271-275, DOI: 10.4028/www.scientific.net/AMM.657.271, Published: 2014, Conference: Innovative Manufacturing Engineering Conference (IManE), Location: Chisinau, MOLDOVA, Date: MAY 29-30, 2014, Publisher: TRANS TECH PUBLICATIONS LTD, LAUBLSRUTISTR 24, CH-8717 STAFA-ZURICH, SWITZERLAND, Document Type: Proceedings Paper, Language: English, ISBN: 978-3-03835-275-4, ISSN: 1660-9336.

4. Bejinariu C, **Cazac AM**, Alexandru A, Toma SL, Copper Flow Simulation to Severe Plastic Deformation by Multiaxial Forging. International Conference on Innovative Research, May 14th to 15th, ICIR 2015, Iasi – Romania, Key Engineering Materials Vol 660 (2015) pp 62-67, (2015) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/KEM.660.62

5. Bejinariu C, **Cazac AM**, Lazăr P, Gheorghiu DA, Aluminum Flow Simulation to Severe Plastic Deformation by Multiaxial Forging. Conference: Innovative Manufacturing Engineering Conference (IManE),

2015, Iasi. Published in Applied Mechanics and Materials Vols. 809-810 (2015), pp 271-276, Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMM.809-810.271, ISBN 978-3-03835-663-9.

6. Bejinariu C, **Cazac AM**, Abdullah MMA, Sandu AV, Lazar P, Experimental Determination of Stress and Deformation Pressure in Nanostructuring Copper by Multiaxial Forging Method. The ICAMET 2014, 3th International Conference Proceedings – Advanced Materials Engineering & Technology, Ho Chi Minh City, Vietnam, December 4-5, 2014, Applied Mechanics and Materials Vols. 754-755 (2015) pp 784-788, (2015) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMM.754-755.784, ISBN: 978-3-03835-434-5.

7. **Cazac, A.M.**, Gheorghiu, D.A., Baciuc, C., Toma, S.L., Bujoreanu, C., Bejinariu, C., Experimental Determination of the Yield Stress for Copper, Cu_{99.75}. 6th International Conference on Advanced Concepts in Mechanical Engineering June 12-13, 2014, Iași, Romania. Published in Applied Mechanics and Materials Vol. 659 (2014) pp 40-45, Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMM.659.40. ISSN: 1662-7482.

8. **Cazac, A.M.**, Bakri Abdullah, M.M., Predescu, C., Sandu, A.V., Bejinariu, C., The Experimental Determination of the Friction Stress Between the Semi-Product and the Active Plate at the Multiaxial Forging of Copper. Geopolymer Symposium, (MIGS 2014), Putra World Trade Centre (PWTC), Kuala Lumpur, Malaysia, May 11-12, 2014. Materials Science Forum Vol. 803 (2015) pp 216-221. Trans Tech Publications, Switzerland. doi:10.4028/www.scientific.net/MSF.803.216. ISBN print: 978-3-03835-233-4.

9. Lazar P, Bejinariu C, Sandu AV, **Cazac AM**, Sandu IG, Chemical Deposition of Thin Layers on Reinforcing Steel. International Conference on Innovative Research, May 14th to 15th, ICIR 2015, Iasi – Romania, Key Engineering Materials Vol 660 (2015) pp 213-218, (2015) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/KEM.660.213.

10. Florea C, Bejinariu C, Carcea I, Damian I, Chicet D, **Cazac AM**, Cimpoesu N, New cast-iron materials with high chrome content for brake discs used in automotive industry. 9th International Conference on Materials Science and Engineering – BRAMAT 2015. 5 – 7 March 2015, BRASOV, ROMANIA.

11. Bejinariu C, Lazar P, Sandu AV, **Cazac AM**, Sandu IG, Corbu O, Enhancing Properties of Reinforcing Steel by Chemical Phosphatation. The ICAMET 2014, 3th International Conference Proceedings – Advanced Materials Engineering & Technology, Ho Chi Minh City, Vietnam, December 4-5, 2014, Applied Mechanics and Materials Vols. 754-755 (2015) pp 310-314, (2015) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMM.754-755.310, ISBN: 978-3-03835-434-5.

12. **Cazac, AM**, Bejinariu, C, Badarau, G, Toma, SL, Florea, CD, The experimental determination of the friction stress between the semi-product and the active plate at the multiaxial forging of aluminum, Al_{99.5}, Buletinul Institutului Politehnic din Iași publicat de Editura POLITEHNIUM din Iași, Tomul LIX(LXIII), Fasc. 4, Secția Știința și Ingineria Materialelor, 2013, pg 107-114, ISSN 1453-1690

13. **Cazac, AM**, Bejinariu, C, Toma, SL, Berbecaru, A, Bernevig-Sava, MA, Experimental determination of the yield stress for aluminum, Al_{99.5}, Buletinul Institutului Politehnic din Iași publicat de Editura POLITEHNIUM din Iași, Tomul LIX(LXIII), Fasc. 2, Secția Știința și Ingineria Materialelor, 2013, pg 19-25, ISSN 1453-1690

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