



LISTA LUCRĂRILOR ELABORATE ȘI PUBLICATE

Lista celor 10 lucrări considerate relevante	
1.	<p>C.C. Grigoraș, B. Chiriță, G. Brabie, C. Ciofu, Additive manufacturing of a stretch forming die using 3D printing technology, 2019 IOP Conf. Ser.: Mater. Sci. Eng. 564 012017</p> <p>Conferința: „The 23th Innovative Manufacturing Engineering & Energy International Conference IManEE 2019”</p> <p>Locația: Pitești, România</p> <p>Data: Mai 22-24, 2019</p> <p>doi: 10.1088/1757-899X/564/1/012017</p>
2.	<p>C.C. Grigoraș, B. Chiriță, G. Brabie, C. Ciofu, Experimental analysis of AZ31B magnesium alloy sheet failure using punch stretching, IOP Conference Series: Materials Science and Engineering 682 (1), 012009, 2019</p> <p>Conferința: „10th International Conference on Advanced Manufacturing Technologies”</p> <p>Locația: București, România</p> <p>Data: Octombrie 10-11, 2019</p> <p>doi: 10.1088/1757-899X/682/1/012009</p>
3.	<p>B. Chirita, C.C. Grigoras, C Tampu, E Herghelegiu, Analysis of cutting forces and surface quality during face milling of a magnesium alloy, IOP Conference Series: Materials Science and Engineering 591 (1), 012006, 2019</p> <p>Conferința: „Modern Technologies in Industrial Engineering VII, (ModTech2019)”</p> <p>Locația: Iași, România</p> <p>Data: Iunie 19-22, 2019</p> <p>doi: 10.1088/1757-899X/591/1/012006</p>
4.	<p>B. Chirita, C Tampu, E Herghelegiu, C.C. Grigoras, Modelling and optimization of magnesium alloy milling parameters, International Journal of Modern Manufacturing Technologies XIII, No. 3 / 2021 https://doi.org/10.54684/ijmmt.2021.13.3.29, 2021</p> <p>Conferința: „16th International Conference of Constructive Design and Technological Optimization in Machine Building - OPROTEH 2021.”</p> <p>Locația: Bacău, România</p> <p>Data: Mai 25-27, 2021</p> <p>doi: https://doi.org/10.54684/ijmmt.</p>
5.	<p>V.A. Ciubotariu, R. M. Crina, C.C. Grigoras, V. Zichil, Obtaining new products in the PVC/AL joinery industry applying the TIPS method - case study, IOP Conference Series Materials Science and Engineering 1182(1):012014, 2021</p> <p>Conferința: ModTech International Conference: Modern Technologies in Industrial Engineering IX (ModTech 2021)</p> <p>Data: 23-26 Iunie 2021</p> <p>Locația: Eforie Nord, Romania</p> <p>doi: 10.1088/1757-899X/1182/1/012014</p>

6.	<p>C.C. Grigoras, B. Chirita, G. Brabie, A Python and Java software approach for 2.5 axes, self-adaptive stretch forming process and IoT solution, IOP Conference Series Materials Science and Engineering, 968 012029, 2020</p> <p>Conferința: 6th International Conference on Advanced Manufacturing Engineering and Technologies Data: 9-11 Septembrie 2020 Locația: Galați, România doi: http://dx.doi.org/10.1088/1757-899X/968/1/012029</p>
7.	<p>C.C. Grigoras, B. Chirita, G. Brabie, V. Zichil, E. Herghelegiu, C. Tampu, V.A. Ciubotariu, High-pressure water jet cutting of S235JR steel alloy. Influence of process parameters on dimensional accuracy, IOP Conference Series Materials Science and Engineering 1182(1):012027, 10.1088/1757-899X/1182/1/012027, 2021</p> <p>Conferința: 23rd ModTech International Conference: Modern Technologies in Industrial Engineering IX (ModTech 2021) Data: 26 Iunie 2021 Locația: Eforie Nord, România doi: 10.1088/1757-899X/1182/1/012027</p>
8.	<p>C.C. Grigoras, V.A. Ciubotariu, V. Zichil, C. Tampu, E Herghelegiu, B. Chirita, Stretch forming using heated die, Journal of Engineering Studies and Research 27(4):24-29, 10.29081/jesr.v27i4.295, 2021</p> <p>Conferința: „16th International Conference of Constructive Design and Technological Optimization in Machine Building - OPROTEH 2021.” Locația: Bacău, România Data: Mai 25-27 , 2021 doi: 10.29081/jesr.v27i4.295, 2021</p>
9.	<p>L.D. Dobreci, V. Zichil, E. Nechita, C.C. Grigoras, V.A. Ciubotariu, Extracorporeal Shockwave Applicator for Spinal Pain and Muscular Contracture: A New Design Approach, Applied Science 10(23) 2020</p> <p>Revista cotata ISI: factor de impact 2.679 doi: 10.3390/app10238710</p>
10.	<p>C.C. Grigoras, V. Zichil, B. Chirita, V.A. Ciubotariu, Adaptive Stretch-Forming Process: A Computer Vision and Statistical Analysis Approach, Machines 9(12),2021</p> <p>Revista cotata ISI: factor de impact 2.428 doi: 10.3390/machines9120357</p>

Teza de doctorat

1.	<p>Cosmin Constantin GRIGORAȘ, 2016. <i>“Contribuții teoretice și experimentale privind calitatea suprafețelor obținute prin prelucrarea combinată prin aşchiere și deformare plastică a aliajului de magneziu AZ31B-F”</i>, Coordonator științific, Prof. dr. ing. Gheorghe BRABIE, Universitatea „Vasile ALECSANDRI” din Bacău;</p> <ul style="list-style-type: none"> - susținere publică la Universitatea „Vasile ALECSANDRI” din Bacău, în 04.11.2016; - în baza Ordinului Ministrului Educației Naționale, nr. 3148 din 30.01.2017 a fost emisă diploma de doctor Seria J, Nr. 0027051 / 04.06.2018, în Domeniul Inginerie Industrială.
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Carti si capitole in carti

1.	<p>C.C. Grigoras, Rezistenta Materialelor I – note de curs, Alma Mater – Bacău, 2022, ISBN: 978-606-527-689-5</p>
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Articole / studii in extenso, apărute in lucrări ale principalelor conferințe internaționale de specialitate	
1.	<p>C.C. Grigoraș, G Brabie, B Chirita - The influence of milling-burnishing successive and simultaneous processes on the surface roughness, IOP Conference Series: Materials Science and Engineering, vol. 145, Article number 022010, 2016, ISSN: 1757-8981</p> <p>Accession Number: WOS:000396437600010, ,</p> <p>Conferința: „International Conference on Modern Technologies in Industrial Engineering IV (ModTech)”</p> <p>Locația: Iași, România</p> <p>Date: Iunie 15-18, 2016</p> <p>doi:10.1088/1757-899X/145/2/022010 (ISI Proceedings Paper)</p>
2.	<p>C.C. Grigoraș, G Brabie, B Chirita - The influence of milling-burnishing successive and simultaneous processes on the surface roughness, IOP Conference Series: Materials Science and Engineering, vol. 145, Article number 022010, 2016, ISSN: 1757-8981</p> <p>Accession Number: WOS:000396437600010, ,</p> <p>Conferința: „International Conference on Modern Technologies in Industrial Engineering IV (ModTech)”</p> <p>Locația: Iași, România</p> <p>Date: Iunie 15-18, 2016</p> <p>doi:10.1088/1757-899X/145/2/022010 (ISI Proceedings Paper)</p>
3.	<p>C.C. Grigoraș, G Brabie - The influence of milling parameters on the material hardness in the case of magnesium alloy AZ61A, IOP Conference Series: Materials Science and Engineering, vol. 95, 012023, 2015</p> <p>Conferința: „3rd International Conference on Modern Technologies in Industrial Engineering (ModTech)”</p> <p>Locația: Mamaia, România</p> <p>Data: Iunie 17-20, 2015</p> <p>doi: 10.1088/1757-899X/95/1/012023 (ISI Proceedings)</p>
4.	<p>C.C. Grigoraș, G Brabie - The influence of milling parameters on the surface roughness in the case of magnesium alloy AZ61A, International Journal of Modern Manufacturing Technologies, Vol. VII, No. 2, p. 57-61, 2015, ISSN 2067–3604</p> <p>Indexat in 5 baze de date internaționale (Scopus; Index Copernicus International; Iet-Inspec; Google Scholar; China National Knowledge Infrastructure)</p>
5.	<p>Brabie, G. and C.C. Grigoraș, Analysis of the surface quality obtained in the case of milling-burnishing combined process. PRODUCTICA Scientific Sessions, Vol. 7, No. 1: p. 237-245, 2015, ISSN 2067-2160</p> <p>Conferința: „Integration of Research and Innovation in Bussiness Enviroment”</p> <p>Locația: București, Romania</p> <p>Data: Mai 29 , 2005</p>
6.	<p>Brabie G., C.C. Grigoraș, A. D. Rizea, C. Cărăușu, A. L. Chicea, C. Maier, Review of the present technological advance in the field of water jet cutting, Journal Proceedings in Manufacturing Systems 2018, vol 13, number 4, p 165-170, ISSN 2027-</p>

	9238 Indexat in 6 baze de date internaționale (Index Copernicus, Ulrichsweb Global Serials Directory, Google Scholar, Proquest, Euroweb Database , Research Bible)
7.	C. Ciofu, B Chiriță, R Lupu, C.C. Grigoraș , C Radu, G Brabie, Tendencies in forming sheet metal parts using incremental forming advanced technologies , Journal of Engineering Studies and Research, vol. 25 (3), p. 15-21, 2019, ISSN: 2068-7559 Indexat in peste 10 baze de date internaționale (Index Copernicus, ERIH PLUS, Google Academic, Publons, ș.a.)
8.	B. Chirita, C Tampu, E Herghelegiu, C.C. Grigoras , Modelling and optimization of magnesium alloy milling parameters , International Journal of Modern Manufacturing Technologies XIII, No. 3 / 2021 Conferința: „16th International Conference of Constructive Design and Technological Optimization in Machine Building - OPROTEH 2021.” Locația: Bacău, România Data: Mai 25-27 , 2021 doi: https://doi.org/10.54684/ijmmt .
9.	V.A. Ciubotariu, R. M. Crina, C.C. Grigoras , E. Herghelegiu, Obtaining new thin walled tubular structures through matrix morphological research , Journal of Engineering Studies and Research 27(1):33-38, 2021 Conferința: „The 15th International Conference of Constructive Design and Technological Optimization in Machine Building” Locația: Bacău, România Data: Mai 25-27 , 2020 doi: 10.29081/jesr.v27i1.249
10.	V.A. Ciubotariu, I. Olaru, R. M. Crina, C.C. Grigoras , Application of lexicographic methods in finding new solutions for the construction of switch faucets , Journal of Engineering Studies and Research 26(4):47-52, 2021 Conferința: „The 15th International Conference of Constructive Design and Technological Optimization in Machine Building” Locația: Bacău, România Data: Mai 25-27 , 2020 doi: 10.29081/jesr.v26i4.235
11.	C. Ciofu, C.C. Grigoraș , B. Chiriță Alexandru, A.C. Iancu, G. Brabie, Fracture Investigation in Draw Bending of AZ31B Sheets using Fuzzy Logic Prediction , Procedia Manufacturing, Volume 47, 2020, pag. 1462-1467, ISSN 2351-9789 Conferința: „23rd International Conference on Material Forming” Locația: Cottbus, Germania Data: 4-8 Mai 2020 doi: 10.1016/j.promfg.2020.04.323 (ISI Proceedings)
12.	C.C. Grigoraș , V. Zichil, V. Ciubotariu, C. Drob, Advantages of using the Finite Elements Method in Stress Analysis and Isostatic Curves, as Opposed to the Photoelasticity Method, in E-Learning , Vol 73, 2021, pag. 106. doi: https://doi.org/10.2478/aucts-2021-0004

Data completării,
02.06.2022

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asist. univ. dr. ing. Cosmin Constantin GRIGORAȘ