

LISTA LUCRĂRILOR ELABORATE ȘI PUBLICATE

Lista celor 10 lucrări considerate reprezentative	
1	Ciubotariu, V.A. ; Grigoras, C.C.; Zichil, V.; Chirita, B.A., <i>Using the AIDA Method in the Design of New Elements for the Photovoltaic Mounting Structures</i> . Machines, ISSN: 2075-1702, 2024 , 12 (3), 211, F.I. 2,6
2	Grigoraș, C.C.; Zichil, V.; Ciubotariu, V.A. ; Cosa, S.M. <i>Machine Learning, Mechatronics, and Stretch Forming: A History of Innovation in Manufacturing Engineering</i> . Machines, ISSN: 2075-1702, 2024 , 12 (3), 180, FI = 2,6
3	Ciubotariu, V.A. ; Grigoraș, C.C.; Zichil, V.; Rosu, A.M., <i>An adaptive algorithm and additively manufactured punch used to form aluminium sheet metal parts</i> . Materials, ISSN 1996-1944, 2023 , 16 (10), 3704, FI = 3,4
4	Ciubotariu, V.A. ; Radu, M.C.; Herghelegiu, E.; Zichil, V.; Grigoras, C.C.; Nechita, E. <i>Structural and Behaviour Optimization of Tubular Structures Made of Tailor Welded Blanks by Applying Taguchi and Genetic Algorithms Methods</i> . Applied Sciences ISSN 2076-3417, 2022 , 12 (13), 6794, F.I. 2,838
5	Mirila, D.C.; Raducanu, D.; Georgescu, A.M.; Rosu, A.M.; Ciubotariu, V.A. ; Zichil, V.; Nistor, I.D., . <i>Silver Nanoparticles Incorporated on Natural Clay as Inhibitor against the New ISO SS Bacteria Isolated from Sewage Sludge, Involved in Malachite Green Dye Oxidation</i> . Molecules, ISSN 1420-3049, 2022 , 27 (18), 5791, F.I. 4,927
6	GRIGORAȘ C.C-tin., ZICHIL V., CHIRIȚĂ B.AL., Ciubotariu V.A. , <i>Adaptive stretch-forming process: A computer vision and statistical analysis approach</i> , Machines ISSN: 2075-1702, 2021 , vol.9, nr.12, 357, F.I. 2,428
7	Dobreci L.D., Zichil V., Nechita E., Grigoraș C.C-Tin., Ciubotariu V.A. , <i>Extracorporeal Shockwave Applicator for Spinal Treatment. A new design approach</i> , Applied Sciences ISSN 2076-3417, 2020 , vol.10, nr.23, 8710, F.I. 2,474
8	Radu M.C., Schnakovszky C., Herghelegiu E., Ciubotariu V.A. , Cristea I., <i>The Impact of the COVID-19 Pandemic on the Quality of Educational Process: A Student Survey</i> , Int. J. Environ. Res. Public Health, ISSN: 1660-4601, 2020 , vol.17, nr.21, F.I. 2,849
9	Vlad A. Ciubotariu , Aurelian Albuț, 2014 , <i>Impact and energy absorption of twb thin-walled structures with polygonal cross-sections</i> , Advanced Materials Research, vol.1036, pg.686-691, ISBN 978-3-03835-255-6
10	Vlad A. Ciubotariu , Gheorghe BRABIE “ <i>Weld line behaviour during uniaxial tensile testing of tailor welded blanks</i> ”, Archives of Civil and Mechanical Engineering, vol.11, no.4, 2011 , pg.811-824, ISSN 1644-9665, revistă cotate Thomson Scientific - ISI Web of Knowledge

Teza de doctorat

Vlad A. CIUBOTARIU, 2011. “*Contribuții teoretice și experimentale privind influența cordonului de sudură asupra caracteristicilor de calitate și rezistență ale componentelor realizate prin ambutisarea tablelor metalice sudate*”, Coordonator științific, Prof.dr.ing. Gheorghe BRABIE, Universitatea „Vasile ALECSANDRI” din Bacău;

- susținere publică la Universitatea „Vasile ALECSANDRI” din Bacău, în 14.06.2011;
- în baza Ordinului Ministrului Educației, Cercetării, Tineretului și Sportului, nr. 6468 din 07.12.2011 a fost emisă diploma de doctor Seria H, Nr.0004719 / 28.03.2012, în **Domeniul Inginerie Industrială.**

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1.	Vlad A. CIUBOTARIU, 2016. <i>Inițierea inginerilor în programare – MATLAB 7.14 – noțiuni teoretice și aplicații</i> , Editura Alma Mater, Bacău, ISBN 978-606-527-493-8
2.	Vlad A. CIUBOTARIU, 2019. <i>Table metalice sudate pentru componentele ambutisate la rece</i> , Alma Mater, Bacău, ISBN 978-606-527-630-7
Note de curs	
1.	Vlad A. CIUBOTARIU, 2015. <i>Proiectarea Asistată de Calculator utilizând Siemens NX – note de curs și aplicații</i> , Editura Alma Mater, Bacău, ISBN 978-606-527-443-3
2.	Vlad A. CIUBOTARIU, 2017. <i>Îndrumar de proiectare CAD/CAE/CAM a sistemelor mecanice industriale</i> , Editura Alma Mater, Bacău, ISBN 978-606-527-562-1
3.	Valentin ZICHIL, Vlad A. CIUBOTARIU, 2018. <i>Rezolvarea de probleme utilizând metoda elementelor finite - Siemens NX Nastran</i> , Editura Alma Mater, Bacău, ISBN 978-606-527-620-8
4.	Vlad A. CIUBOTARIU, 2020. <i>Fabricația asistată de calculator. SolidWorks CAM & Fabricație Aditivă - note de curs</i> , Alma Mater, Bacău, ISBN 978-606-527-651-2

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Articole publicate în reviste indexate ISI	
1	Ciubotariu, V.A.; Grigoras, C.C.; Zichil, V.; Chirita, B.A., <i>Using the AIDA Method in the Design of New Elements for the Photovoltaic Mounting Structures.</i> Machines, ISSN: 2075-1702, 2024 , 12 (3), 211, https://doi.org/10.3390/machines12030211 WOS:001192737400001 Revistă indexată ISI conform https://www.mdpi.com/journal/machines ; F.I. 2,6
2	Grigoraș, C.C.; Zichil, V.; Ciubotariu, V.A. ; Cosa, S.M., <i>Machine Learning, Mechatronics, and Stretch Forming: A History of Innovation in Manufacturing Engineering.</i> Machines, ISSN: 2075-1702, 2024 , 12 (3), 180 https://doi.org/10.3390/machines12030180 WOS:001192621400001 Revistă indexată ISI conform https://www.mdpi.com/journal/machines ; F.I. 2,6
3	Ciubotariu, V.A. ; Grigoraș, C.C.; Zichil, V.; Rosu, A.M., <i>An adaptive algorithm and additively manufactured punch used to form aluminium sheet metal parts.</i> Materials, ISSN 1996-1944, 2023 , 16 (10), 3704 - https://doi.org/10.3390/ma16103704 WOS:000997114100001 Revistă indexată ISI conform https://www.mdpi.com/journal/materials ; F.I. 3,4
4	Ciubotariu, V.A. ; Radu, M.C.; Herghelegiu, E.; Zichil, V.; Grigoras, C.C.; Nechita, E. <i>Structural and Behaviour Optimization of Tubular Structures Made of Tailor Welded Blanks by Applying Taguchi and Genetic Algorithms Methods.</i> Applied Sciences ISSN 2076-3417, 2022 , 12 (13), 6794 - https://doi.org/10.3390/app12136794 WOS:000825558800001 Revistă indexată ISI conform https://www.mdpi.com/journal/applsci ; F.I. 2,7
5	Mirila, D.C.; Raducanu, D.; Georgescu, A.M.; Rosu, A.M.; Ciubotariu, V.A. ; Zichil, V.; Nistor, I.D., . <i>Silver Nanoparticles Incorporated on Natural Clay as Inhibitor against the New ISO SS Bacteria Isolated from Sewage Sludge, Involved in Malachite Green Dye Oxidation.</i> Molecules, ISSN 1420-3049, 2022 , 27 (18), 5791 - https://doi.org/10.3390/molecules27185791 WOS:000858816700001 Revistă indexată ISI conform https://www.mdpi.com/journal/molecules ; F.I. 4,6
6	GRIGORAȘ C.C-tin., ZICHIL V., CHIRIȚĂ B.A.I., CIUBOTARIU V.A. , <i>Adaptive stretch-forming process: A computer vision and statistical analysis approach</i> , Machines ISSN: 2075-1702, 2021 , 9 (12), 357 - https://doi.org/10.3390/machines9120357

	WOS:000738673200001 Revistă indexată ISI conform https://www.mdpi.com/journal/machines ; F.I. 2.428
7	DOBRECI L.D., ZICHIL V., NECHITA E., GRIGORAȘ C.C-TIN., CIUBOTARIU V.A. 2020 , <i>Extracorporeal Shockwave Applicator for Spinal Treatment. A new design approach</i> , Applied Sciences ISSN 2076-3417, 10 (23), 8710 https://doi.org/10.3390/app10238710 WOS:000597741100001 Revistă indexată ISI conform https://www.mdpi.com/journal/applsci ; F.I. 2.6
8	RADU M.C., SCHNAKOVSKY C., HERGHELEGIU E., CIUBOTARIU V.A. , CRISTEA I., 2020 , <i>The Impact of the COVID-19 Pandemic on the Quality of Educational Process: A Student Survey</i> , Int. J. Environ. Res. Public Health, ISSN: 1660-4601, 17 (21) - https://doi.org/10.3390/ijerph17217770 WOS:000588980300001 Revistă indexată ISI conform https://www.mdpi.com/journal/ijerph ; F.I. 2.849
9	DACĂLU M.E., NEDEFF F., CIUBOTARIU V. , LOPEZ-RAMIREZ J.A., SANDU I., 2019 , <i>Calculation of the Cross Section Active Area for a Polymeric Spiral Wound Reverse Osmosis Membrane</i> , Materiale Plastice ISSN: 0025-5289, 2019, 56 (2), 426-428 https://doi.org/10.37358/MP.19.2.5200 WOS:000476641000027 Revistă indexată ISI conform https://mjl.clarivate.com/search-results ; F.I. 1.517 conform https://www.revmaterialeplastice.ro/RCIndexing.asp
10	Vlad A. CIUBOTARIU , 2013 . <i>Crashworthiness improvement of different tubular structures using tailor welded blanks</i> , Advanced Scientific Letters, 19 (2), 1 February 2013, Pages 578-582, ISSN: 1936-6612. https://doi.org/10.1166/asl.2013.4754 Revistă indexată ISI conform http://ip-science.thomsonreuters.com/cgi-bin/jrnlst/jloptions.cgi?PC=SS ; F.I. 1.253 conform: http://www.aspbs.com/science.htm
11	Vlad A. CIUBOTARIU , Gheorghe BRABIE, 2011 . <i>Weld line behaviour during uniaxial tensile testing of tailor welded blanks</i> , Archives of Civil and Mechanical Engineering, 11 (4), 811-824, ISSN: 1644-9665, https://doi.org/10.1016/S1644-9665(12)60079-X WOS:000392261800053 Revistă indexată ISI conform http://www.sciencedirect.com/science/article/pii/S164496651260079X ; F.I. 1.331 , conform: http://www.journals.elsevier.com/archives-of-civil-and-mechanical-engineering/
12	Gheorghe BRABIE, Bogdan CHIRIȚĂ, Vlad A. CIUBOTARIU , Neculai NANU, 2009 . <i>Analysis of springback and residual stresses generated by cold plastic forming in drawn round parts made from steel sheets</i> , Metalurgia International, 14 (12), 27-34, ISSN: 1582-2214. WOS:000270922700004 Revistă indexată ISI (ultima indexare 2013) conform http://ip-science.thomsonreuters.com/cgi-bin/jrnlst/jlchange.cgi?Full=Metalurgia+International ; F.I. 0.173 , conform: http://www.impact-factor.org/journal/metalurgia-international.html

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1	Popa O., Ciubotariu V.A. , Grigoraș C., Roșu A.M., Zichil V., <i>Study regarding the influence of corrosive agents on the surface of metallic material like steel</i> , Journal of Engineering Studies and Research, ISSN: 2068-7559, 2022 , 28 (2), 92-99 https://doi.org/10.29081/jesr.v28i2.010
2	Drob C., Zichil V., Grigoraș C.C., Ciubotariu V.A. , Feraru A., <i>The evolution of the capital market in romania in the context of the covid-19 pandemic</i> , Studies and Scientific Research. Economics Edition, ISSN: 2344-1321, 2022, 35, 41-48 http://dx.doi.org/10.29358/sceco.v0i35.509
3	Ciubotariu, V. A. , Grigoras, C., Radu, C. M., Tâmpu, C. N., Zichil, V., <i>The opportunity of using cloud-based computing in numerical simulations on structural analysis - case study</i> , Journal of Engineering Studies and Research, ISSN: 2068-7559, 2022 28(1), 38-42 https://jesr.ub.ro/1/article/view/315 ; https://doi.org/10.29081/jesr.v28i1.004

4	Grigoraș, C. C., Chiriță, B., Zichil, V., Herghelegiu, E., Tâmpu, C., Ciubotariu, V. A. , <i>Stretch forming using heated die</i> , Journal of Engineering Studies and Research, ISSN: 2068-7559, 2021 , 27 (4), 24-29 https://doi.org/10.29081/jesr.v27i4.295
5	Grigoraș, C. C., Chiriță, B., Brabie, G., Zichil, V., Herghelegiu, E., Tâmpu, C., Ciubotariu, V. A. <i>High-pressure water jet cutting of S235JR steel alloy. Influence of process parameters on dimensional accuracy</i> , IOP Conf. Series: Materials Science and Engineering (ModTech'21), ISSN: 1757-899X, 1757-8981, 2021 , 1182, 012027 https://doi.org/10.1088/1757-899X/1182/1/012027
6	Grigoraș, C. C., Zichil, V., Ciubotariu, V. A. , Drob, C. <i>Advantages of using the Finite Elements Method in Stress Analysis and Isostatic Curves, as Opposed to the Photoelasticity Method</i> , in E-Learning, Acta Universitatis CIBINIENSIS – Technical Series, eISSN: 2668-6449, 2021 , 73 (1), 1-6 https://doi.org/10.2478/aucts-2021-0004
7	CIUBOTARIU V.A. , RADU C.M., GRIGORAȘ C., HERGHELEGIU E, <i>Obtaining new thin-walled tubular structures through matrix morphological research</i> , Journal of Engineering Studies and Research ISSN: 2068-7559, 2021 , vol.27 nr.1, pag.33-38 https://doi.org/10.29081/jesr.v27i1.249 Revistă categoria BDI conform http://pubs.ub.ro/?pg=revues&rev=jesr&sc=issues ; http://www.cncsis.ro/
8	CIUBOTARIU V.A. , RADU C.M., GRIGORAȘ C., ZICHIL V, <i>Obtaining new products in the PVC/AL joinery industry applying the TIPS method - case study</i> , IOP Conf. Series: Materials Science and Engineering (ModTech'21) ISSN: 1757-899X, 1757-8981, 2021 , vol.1182, 012014 Revistă categoria BDI conform http://pubs.ub.ro/?pg=revues&rev=jesr&sc=issues ; http://www.cncsis.ro/
9	Vlad A. CIUBOTARIU , Ionel OLARU, Crina Maria RADU, Cosmin C-tin. GRIGORAȘ, 2020 , <i>Application of lexicographic methods in finding new solutions for the construction of switch faucets</i> , Journal of Engineering Studies and Research, Bacău, vol. 26, no. 4, p. 47-52, ISSN: 2068-7559 https://doi.org/10.29081/jesr.v26i4.235 Revistă categoria BDI conform http://pubs.ub.ro/?pg=revues&rev=jesr&sc=issues ; http://www.cncsis.ro/
10	C RADU, C SCHNAKOVSKY, B CHIRITA, V A CIUBOTARIU , E HERGHELEGIU, C N TAMPU, 2020 , <i>Influence of process parameters on the AWJ cutting of the AL-EN AW 2017A (T4) aluminum alloy</i> , IOP Conf. Series: Materials Science and Engineering (CoSME'20), ISSN: 1757-899X, 1757-8981, 1009 (2), 012048 https://doi.org/10.1088/1757-899X/1009/1/012048
11	Vlad A. CIUBOTARIU , 2014 , <i>Collapse behavior of dynamically crashed hexagonal thin-walled structures with multi-cell cross-section geometry</i> , Journal of Engineering Studies and Research, Bacău, Volume XX, Issue 2, p. 14-19, ISSN: 2068-7559 Revistă categoria BDI conform http://pubs.ub.ro/?pg=revues&rev=jesr&sc=issues ; http://www.cncsis.ro/
12	Vlad A. CIUBOTARIU , 2014 , <i>Finite element modeling of crashing behavior concerning rectangular multi-layered thin-walled structures</i> , Journal of Engineering Studies and Research, Bacău, Volume XX, Issue 1, p. 33-39, ISSN: 2068-7559 Revistă categoria BDI conform http://pubs.ub.ro/?pg=revues&rev=jesr&sc=issues ; http://www.cncsis.ro/
13	Vlad A. CIUBOTARIU , 2014 , <i>Analysis of the Collapse Behaviour Regarding TWB Crash-Boxes in Conjunction with the Construction Technique</i> , Applied Mechanics and Materials, vol. 657, 2014, pg.634-639, ISSN 978-3-03835-275-4 Revistă categoria Proceedind ISI conform http://www.ttp.net/1660-9336.html
14	Aurelian ALBUȚ, Vlad A. CIUBOTARIU , 2014 , <i>The influence of the blank holder force on material thinning during forming of a rectangular part made from tailor welded blanks</i> , Advanced Materials Research, vol.1036, pg.344-348, ISBN 978-3-03835-255-6

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15	Vlad A. CIUBOTARIU , Aurelian ALBUȚ, 2014 , <i>Impact and energy absorption of twb thin walled structures with polygonal cross-sections</i> , Advanced Materials Research, vol.1036, pg.686-691, ISBN 978-3-03835-255-6 Revistă categoria BDI conform http://www.ttp.net/1022-6680.html
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17	Aurelian ALBUȚ, Vlad A. CIUBOTARIU , 2013 , <i>Optimization of the blank holder force using genetic algorithm method in case of a U-shaped part</i> , Key Engineering Materials – vol.549, no.1, pg.239-246, ISBN 978-3-03785-671-0 Revistă categoria Proceedind ISI conform http://www.ttp.net/1013-9826.html
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19	Ionel OLARU, Aurelian ALBUȚ, Vlad A. CIUBOTARIU , 2012 , <i>Consideration about Formability of Bimetal Brazing Joints</i> , Journal of Engineering Studies and Research, Bacău, Volume XVIII, Issue 2, p. 84-87, ISSN: 2068-7559 Revistă categoria BDI conform http://journals.indexcopernicus.com/Journal+of+Engineering+Studies+and+Research.p527,3.html
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21.	Vlad A. CIUBOTARIU , 2012 , <i>Analysis of stress distribution on the drawn U channel parts made from TWB as a function of blank holder force</i> , Proceedings of Modern Technologies, Quality and Innovation (Modtech), vol.16, no.1, pg.209-212, ISSN 2069-6736 Revistă categoria BDI conform http://www.modtech.tuiasi.ro/
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23.	Aurelian ALBUȚ, Vlad A. CIUBOTARIU , Crina RADU, Ionel OLARU, 2012 , <i>Optimization of the forming process in the case of a square shaped part made from tailor welded blanks</i> , Proceedings of Modern Technologies, Quality and Innovation (Modtech), vol.16, no.1, pg.13-16, ISSN 2069-6736 Revistă categoria BDI conform http://www.modtech.tuiasi.ro/2012/
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
1	CIUBOTARIU V A, GRIGORAS C, RADU C M, TAMPU C N, ZICHIL V, 2021 , The opportunity of using cloud-based computing in numerical simulations on structural analysis - case study, OPROTEH'21, http://oproteh.ub.ro/assets/abstracts.pdf
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8.	Gheorghe BRABIE, Vlad A. CIUBOTARIU, Neculai NANU, Augustin JITARU, 2013 , <i>Temperature rise particularities during uniaxial-tensile testing of titanium alloy sheets</i> , The Xth International Conference of Constructive and Technological Design Optimization in The Machines Building Field (OPROTEH), abstract vol.1, no.1, pg.25, ISBN 978-606-527-293-4
9.	Vlad A. CIUBOTARIU, 2013 , <i>Collapse behavior of dynamically crashed hexagonal thin-walled structures with multi-cell cross-section geometry</i> , The Xth International Conference of Constructive and Technological Design Optimization In The Machines Building Field (OPROTEH), abstract vol.1, no.1, pg.28-29, ISBN 978-606-527-293-4
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11.	Vlad A. CIUBOTARIU, 2013 , <i>Crashworthiness improvement of different tubular structures using tailor welded blanks</i> , Advanced Scientific Letters, (AMSE), vol. 19, no.2, pg.578-582, ISSN 1936-6612
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25.05.2024

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Semnătura,


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