

LISTA LUCRĂRILOR ELABORATE ȘI PUBLICATE

Lista celor 10 lucrări considerate relevante	
1.	N.C. TÂMPU, B. CHIRIȚĂ, E. HERGHELEGIU , G. BRABIE, <i>Influence of the cutting regime on the residual stresses generated by carbon steel milling</i> , Indian Journal of Engineering and Materials Sciences, ISSN: 0975-1017 (Online); 0971-4588 (Print), 2014, Vol. 21(3) [June 2014], pp. 283-288, (Fi 0.413).
2.	C. SCHNAKOVSKY, E. HERGHELEGIU , M. C. RADU, V. ZICHIL, <i>Effects Of Reusing Abrasive Material In Abrasive Water Jet Cutting On The Quality Of Processed Surfaces And Environment</i> , Environmental Engineering and Management Journal, ISSN: 1843 – 3707, July 2014 , Vol.13, No. 7, 1707-1712, (Fi 1.065).
3.	M. C. RADU, E. HERGHELEGIU , C. SCHNAKOVSKY, <i>Comparative study on the effects of three unconventional cutting technologies on cut surface quality</i> , Indian Journal of Engineering and Materials Sciences ISSN: 0975-1017, Vol. 22, April 2015 , pp. 127-132, (Fi 0.413).
4.	E. HERGHELEGIU , M. C. RADU, C. SCHNAKOVSKY, I. CRISTEA, <i>Influence of the Distance between the Cutting Head and Working Sample on the Geometric Precision in Water Jet Abrasive Cutting Process</i> , INNOVATIVE MANUFACTURING ENGINEERING, Book Series: Applied Mechanics and Materials, Vol: 371 Pages: 240-244, DOI: 10.4028/www.scientific.net/AMM.371.240, Published: 2013
5.	E. HERGHELEGIU , M. C. RADU, C. SCHNAKOVSKY, I. CRISTEA, <i>High Pressure Water Jet Cutting of the Al 6061 T651 Aluminum Alloy</i> , INNOVATIVE MANUFACTURING ENGINEERING, Book Series: Applied Mechanics and Materials, Vol: 371 Pages: 245-249, DOI: 10.4028/www.scientific.net/AMM.371.245, Published: 2013
6.	E. HERGHELEGIU , <i>Experimental Determination Of The Cutting Speed In The Case Of The Water Jet Processing Of Different Materials</i> , MODTECH 2010: NEW FACE OF TMCR, PROCEEDINGS, Book Series: Proceedings of the International Conference ModTech, Pages: 327-330, Published: 2010
7.	C . SCHNAKOVSKY, E. HERGHELEGIU , M. C. RADU, I. CRISTEA, <i>The Influence of the Feed Rate on the Quality of Surfaces Processed by AWJ at High Pressures</i> , MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING, Book Series: Advanced Materials Research, Volume: 837 Pages: 196-200, DOI: 10.4028 / www.scientific.net / AMR.837.196, Published: 2014 .
8.	C. SCHNAKOVSKY, E. HERGHELEGIU , N. C. TÂMPU, <i>The Metal Sheets Processed by AWJ. Analysis of the Surface Quality</i> , MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING Book Series: Advanced Materials Research, Volume: 837 Pages: 201-205, DOI: 10.4028/www.scientific.net/AMR.837.201, Published: 2014 .
9.	HERGHELEGIU Eugen , RADU Crina, SCHNAKOVSKY Carol and ZICHIL Valentin, <i>Quality of the Cut Surfaces Processed by AWJC as a Function of the Distance between the Cutting Head and Working Sample</i> , Applied Mechanics and Materials Vol. 809-810, pp 207-212, DOI:10.4028/www.scientific.net/AMM.809-810.207. 2015 .
10.	M. C. RADU, E. HERGHELEGIU , C. SCHNAKOVSKY, I. CRISTEA, <i>Comparative Analysis of the Quality of Parts Made by an Aluminum Alloy Processed by Unconventional Cutting Methods</i> , INNOVATIVE MANUFACTURING ENGINEERING Book Series: Applied Mechanics and Materials, Vol: 371 Pages: 310-314, DOI: 10.4028/www.scientific.net/AMM.371.310, Published: 2013

Teza de doctorat	
<p>Eugen HERGHELEGIU, 2011. “ <i>Contribuții privind optimizarea regimurilor tehnologice la prelucrarea materialelor cu jet de apă</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 21.10.2011; - în baza Ordinului Ministrului Educației, Cercetării, Tineretului și Sportului, nr. 6697 din 21.12.2011 a fost emisă diploma de doctor Seria H, Nr.0004720 / 28.03.2012, în Domeniul Inginerie Industrială. 	

Cărți	
1.	Crina RADU, Eugen HERGHELEGIU , Ion CRISTEA, <i>Prelucrarea prin deformare plastică la rece: Îndrumar pentru lucrări practice</i> , Editura ALMA-MATER, Bacău, 2015, ISBN 978-973-8392-99-1;
2.	Crina RADU, Ion CRISTEA, Eugen HERGHELEGIU , Nicolae Cătălin TÂMPU, <i>Sisteme de management al calității: Cerințe. Audit</i> , Editura ALMA-MATER, Bacău, 2015, ISBN 978-606-527-483-9.

Articole / studii publicate în reviste de specialitate și volume ale unor manifestări științifice	
Articole publicate în reviste indexate ISI	
1.	N.C. TÂMPU, B. CHIRIȚĂ, E. HERGHELEGIU , G. BRABIE, Influence of the cutting regime on the residual stresses generated by carbon steel milling, <i>Indian Journal of Engineering and Materials Sciences</i> , ISSN: 0975-1017 (Online); 0971-4588 (Print), 2014, Vol. 21(3) [June 2014], pp. 283-288, (Fi 0.413).
2.	C. SCHNAKOVSKY, E. HERGHELEGIU , M. C. RADU, V. ZICHIL, Effects Of Reusing Abrasive Material In Abrasive Water Jet Cutting On The Quality Of Processed Surfaces And Environment, <i>Environmental Engineering and Management Journal</i> , ISSN: 1843 – 3707, July 2014 , Vol.13, No. 7, 1707-1712, (Fi 1.065).
3.	M. C. RADU, E. HERGHELEGIU , C. SCHNAKOVSKY, Comparative study on the effects of three unconventional cutting technologies on cut surface quality, <i>Indian Journal of Engineering and Materials Sciences</i> ISSN: 0975-1017, Vol. 22, April 2015 , pp. 127-132, (Fi 0.413).
Articole publicate în reviste proceedings ISI	
1.	C. SCHNAKOVSKY, E. HERGHELEGIU , M. C. RADU, N. C. TÂMPU, <i>The surface quality of AWJ cut parts as a function of abrasive material reusing rate</i> , MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING (MODTECH2015), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 95, Article Number: 012004 DOI: 10.1088/1757-899X/95/1/012004, Published: 2015
2.	N.C. TÂMPU, G. BRABIE, B.A. CHIRIȚĂ, E. HERGHELEGIU , M.C. RADU, <i>Influence of the cooling liquid on surface quality characteristics in milling</i> , MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING (MODTECH 2015), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 95, Article Number: 012024, DOI: 10.1088/1757-899X/95/1/012024, Published: 2015
3.	M. C. RADU, I. CRISTEA, E. HERGHELEGIU , S. TABACU, <i>Improving the Accuracy of Parts Manufactured by Single Point Incremental Forming</i> , Optirob 2013: Optimization Of The Intelligent Systems And Their Applications In Aerospace, Robotics, Mechanical Engineering, Manufacturing Systems, Biomechatronics And Neurorehabilitation Book Series: Applied Mechanics and Materials, Volume: 332

	Pages: 443-448, DOI: 10.4028/www.scientific.net/AMM.332.443, Published: 2014 .
4.	C. SCHNAKOVSKY, E. HERGHELEGIU , M. C. RADU, I. CRISTEA, <i>The Influence of the Feed Rate on the Quality of Surfaces Processed by AWJ at High Pressures</i> , MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING, Book Series: Advanced Materials Research, Volume: 837 Pages: 196-200, DOI: 10.4028 / www.scientific.net / AMR.837.196, Published: 2014 .
5.	C. SCHNAKOVSKY, E. HERGHELEGIU , N. C. TÂMPU, <i>The Metal Sheets Processed by AWJ. Analysis of the Surface Quality</i> , MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING Book Series: Advanced Materials Research, Volume: 837 Pages: 201-205, DOI: 10.4028/www.scientific.net/AMR.837.201, Published: 2014 .
6.	M. C. RADU, E. HERGHELEGIU , N. C. TÂMPU, I. CRISTEA, <i>The Residual Stress State Generated by Single Point Incremental Forming of Aluminum Metal Sheets</i> , INNOVATIVE MANUFACTURING ENGINEERING, Book Series: Applied Mechanics and Materials, Vol: 371 Pages: 148-152, DOI: 10.4028/www.scientific.net/AMM.371.148, Published: 2013
7.	E. HERGHELEGIU , M. C. RADU, C. SCHNAKOVSKY, I. CRISTEA, <i>Influence of the Distance between the Cutting Head and Working Sample on the Geometric Precision in Water Jet Abrasive Cutting Process</i> , INNOVATIVE MANUFACTURING ENGINEERING, Book Series: Applied Mechanics and Materials, Vol: 371 Pages: 240-244, DOI: 10.4028/www.scientific.net/AMM.371.240, Published: 2013
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9.	M. C. RADU, E. HERGHELEGIU , C. SCHNAKOVSKY, I. CRISTEA, <i>Comparative Analysis of the Quality of Parts Made by an Aluminum Alloy Processed by Unconventional Cutting Methods</i> , INNOVATIVE MANUFACTURING ENGINEERING Book Series: Applied Mechanics and Materials, Vol: 371 Pages: 310-314, DOI: 10.4028/www.scientific.net/AMM.371.310, Published: 2013
10.	E. HERGHELEGIU , <i>Experimental Determination Of The Cutting Speed In The Case Of The Water Jet Processing Of Different Materials</i> , MODTECH 2010: NEW FACE OF TMC, PROCEEDINGS, Book Series: Proceedings of the International Conference ModTech, Pages: 327-330, Published: 2010
Articole publicate în reviste indexate BDI	
1.	E. HERGHELEGIU , M. RADOVANOVIC, G. BRABIE, N. C. TÂMPU, <i>Influence of abrasive material quantity on surface quality generated by abrasive water jet operation</i> , International Journal of Modern Manufacturing Technologies ISSN 2067–3604, Vol. III, No. 2 / 2011 , pag. 43-48.
2.	E. HERGHELEGIU , C. SHNAKOVSKY, M. RADOVANOVIC, C. I. RAVEICA, <i>Comparative Study On The Dimensional Accuracy And Surface Quality Of Plates Cut Through Unconventional Methods</i> , ModTech International Conference Modern Technologies, Quality and Innovation 24-26 May 2012 , Sinaia, Romania, pag. 433-436.
3.	M. RADOVANOVIC, G. BRABIE, E. HERGHELEGIU , I. ZHELEZAROV, <i>Investigation on surface roughness of carbon steel machined by abrasive water jet</i> , 35th International conference on production engineering, 25 – 28 September 2013 , Kraljevo

	– Kopaonik, Faculty of Mechanical and Civil Engineering in Kraljevo, pag. 133 – 136.
4.	M. C RADU, E. HERGHELEGIU , C. SCHNAKOVSKY, N. C. TÂMPU, <i>Experimental Analysis Of The Influence Of Feed Rate On Quality Of Cuts Performed By Awj</i> , Journal of engineering studies and research (JESR), ISSN 2068 – 7559, Vol. 21 No. 1, January - March 2015 , Pag. 76-80.
5.	HERGHELEGIU Eugen , RADU Crina, SCHNAKOVSKY Carol and ZICHIL Valentin, Quality of the Cut Surfaces Processed by AWJC as a Function of the Distance between the Cutting Head and Working Sample, Applied Mechanics and Materials Vol. 809-810 (2015) pp 207-212, DOI:10.4028/www.scientific.net/AMM.809-810.207.
Articole / studii publicate în volume ale unor manifestări științifice naționale / internaționale	
1.	C. SCHNAKOVSKY, B. GANEA, I. C. RAVEICA, E. HERGHELEGIU , <i>Reverse Engineering For Automotive Industry</i> , ANNALS of the ORADEA UNIVERSITY, Volume VII (XVII), 2008 .
2.	GANEA, C. SCHNAKOVSKY, I. C. RAVEICA, E. HERGHELEGIU , „ <i>Practical Aspects Concerning Reverse Engineering</i> ”, Academic Journal Of Manufacturing Engineering, Volume 6, Issue 3/ Timisoara, 2008 .
3.	C. AXINTE, B. GANEA, E. HERGHELEGIU , C. SCHNAKOVSKY, „ <i>Ecodesign Product Life Cycle Approach</i> ”, Academic Journal Of Manufacturing Engineering, Volume 6, Issue 3/ Timisoara, 2008 .
4.	C. SCHNAKOVSKY, I. C. RAVEICA, B. GANEA, E. HERGHELEGIU , <i>O noua abordare privind ciclul de viață al produsului, Creșterea competitivității companiilor folosind proiectarea asistată de calculator și managementul datelor pe întreaga durată de dezvoltare a produsului</i> , Iași, 2008 .
5.	B. GANEA, C. SCHNAKOVSKY, I. C. RAVEICA, V. AVRAM, E. HERGHELEGIU , <i>Studiu experimental privind scanarea 3D, Creșterea competitivității companiilor folosind proiectarea asistată de calculator și managementul datelor pe întreaga durată de dezvoltare a produsului</i> , Iași, 2008 .
6.	C. SCHNAKOVSKY, E. HERGHELEGIU , I. C. RAVEICA, B. GANEA. <i>Study Regarding The Productivity And Quality Obtained By Means Of Various Processing Methods By Means Of Electro-Erosion</i> , THE ANNALS OF „DUNAREA DE JOS” UNIVERSITY GALATI Fascicle V 2009 , Technologies in Machine Building, pag. 229.
7.	E. HERGHELEGIU , G. BRABIE, <i>Comparative Analysis Of The Surface Quality As Result Of Processing Through Various Procedures</i> TSTM 15 nr. 1 / 2009 . pag. 54 – 59, ISSN 1224 – 7499.
8.	E. HERGHELEGIU , <i>The Influence Of The Water Pressure On The Advance Speed And The Geometric Precision When Water Jet Processing</i> TSTM 15 nr. 2 / 2009 , pag. 59 – 65, ISSN 1224 – 7499.
9.	E. HERGHELEGIU , <i>Analysis regarding the surface roughness in abrasive waterjet cutting process (A REVIEW OF THE FACTORS ON INFLUENCE)</i> , TSTM -14, No. 1 Bacău 2008 . Pag. 59 – 64, ISSN 1224 – 7499.
10.	E. HERGHELEGIU , <i>The abrasive materials used for cutting with abrasive water jet, (A REVIEW OF THE USED ABRASIVE MATERIALS)</i> , TSTM 14 Nr. 2 Bacău 2008 . Pag. 59 -65, ISSN 1224 – 7499.

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Semnătura,
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