

LISTA DE LUCRĂRI:

A. Teza de doctorat

CERCETARI PRIVIND CONDUCEREA COMPLEXA A INSTALATIILOR DE COACERE A PRODUSELOR CARBONICE", Universitatea Politehnica București, coordonator științific Prof.Univ.Dr.ing. Iulian OPRESCU, susținută în ședință publică în 02.05.1996, titlul de doctor în septembrie 1996

B. Teza de abilitare

"CONTRIBUTION TO INCREASING INSTITUTIONAL PERFORMANCE BY IMPLEMENTING ACADEMIC ENTREPRENEURSHIP" Domeniul de studii universitare de doctorat: **INGINERIE SI MANAGEMENT** (în care s-a conferit calitatea de conducător de doctorat, conform Ordinului de Ministru nr.5121 din 28.09.2017), **COMISIA DE ABILITARE** -Prof.Univ.Dr.Ing. Ion ABRUDAN- Presedinte, Prof.Univ.Habil.Dr.Ing. Constantin BUNGĂU- Membru, Prof.Univ.Dr.Ing.Constantin OPREAN- Membru

C. Cărți și capitole în cărți publicate în ultimii 10 ani

1. Adrian Ioana, AUGUSTIN SEMENESCU and Mihnea Costoiu -**Research and Development Evolving Trends and Practices - Towards Human, Institutional and Economic Sectors Growth** (ISBN 978-953-51-5329-0)- **Chapter title: RESEARCH AND DEVELOPMENT ABOUT METALLURGICAL INDUSTRY OF ROMANIA**, Publisher: **InTech** (World's largest Science, Technology & Medicine Open Access book publisher. Publish, read & share novel research), under CC BY 3.0 license, Edited Volume
2. Adrian Ioana, AUGUSTIN SEMENESCU - **Greenhouse Gases - Selected Case Studies** ,Chapter title: **ABOUT ENVIRONMENT-RECYCLING-ENERGY (ERE) CONCEPT IN STEEL INDUSTRY OF ROMANIA**, Edited by Andrew J. Manning, ISBN 978-953-51-2683-6, Print ISBN 978-953-51-2682-9, 88 pages, Publisher: **InTech** (World's largest Science, Technology & Medicine Open Access book publisher. Publish, read & share novel research), Chapters published September 21, 2016 under CC BY 3.0 license, DOI: 10.5772/61589, Edited Volume
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 6. Adrian IOANA., AUGUSTIN SEMENESCU , Dragos Florin MARCU, Alexandru GHIBAN, Alina Nicoleta COLAN, -, **MANAGEMENTUL CALITĂȚII. TEORIE ȘI APLICAȚII**” Editura Matrix Rom, București, ISBN 978-973-755-894-7, 318 pg, 2013
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8. Adrian IOANA., AUGUSTIN SEMENESCU ,Cezar Florin PREDA,Dragos Florin MARCU, Oana BOGDAN – „**LEGISLAȚIA MUNCII. TEORIE ȘI APLICAȚII**”, Editura Matrix Rom, București, ISBN 978-973-755-798-8, 361 pg, București, 2012.
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11. Iulian OPRESCU, AUGUSTIN SEMENESCU, George Adrian Voicu – „**TRATAT-CONDUCERE AUTOMATĂ A ECHIPAMENTELOR ȘI INSTALAȚIILOR METALURGICE**”, Ed. MATRIX-ROM, Bucuresti, 2011, ISBN 978-973-755-655-4, ISBN 978-973-755-700-1, 590 pag.
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13. Cezar Florin Preda, AUGUSTIN SEMENESCU, Dragos Florin Marcu , --"**LEGISLATIE ECONOMICA**" -, Editura MATRIXROM, Bucuresti, 2011, ISBN 978-973-755-670-7, 293 pag.
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15. Iulian OPRESCU, AUGUSTIN SEMENESCU, Vasile GROSU, Ioan VÎRCOLACU, Cezar Florenț BĂLESCU, Vasile MIREA, Cezar Florin PREDA – „**TRATAT-ECHIPAMENTE METALURGICE TEHNOLOGICE ȘI DE CONDUCERE AUTOMATĂ, VOLUMUL I, ECHIPAMENTE PRINCIPALE (DE BAZĂ)**”, Ed. MATRIX-ROM, Bucuresti, 2010, ISBN 978-973-755-655-4, ISBN 978-973-755-654-7,447 pag.
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D. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

1. *The Influence of Thermal Behaviour to Composites Based on Cotton Tissue and Unsaturated Polyester Resin*, By: Geaman Virgil, Pop Mihai Alin, Radomir Irinel, Semenescu Augustin, Florea, Bogdan, Chivu, Oana Roxana - **MATERIALE PLASTICE**, Volume: 57, Issue: 1, Pages: 197-201, DOI: 10.37358/mp.20.1.5327, Published: MAR 2020, Document Type: Article, Accession Number: **WOS:000528195000022**, ISSN: 2668-8220, eISSN: 0025-5289
2. *Effect of Local Heating on the Mechanical Characteristics of Repaired Automotive Panels*, By: Navodariu Nicolae, Branzei Mihai, Ciocoiu Robert, Ciuca Ion, Coman Razvan, Raiciu Anca Daniela, Semenescu Augustin, Antoniac Iulian, Gradinaru Sebastian, Cristescu Ioan, **MATERIALE PLASTICE**, Volume: 56, Issue: 4, Pages: 750-758, Published: DEC 2019, Document Type: Article, Accession Number: **WOS:000509920700013**, ISSN: 0025-5289, IDS Number: KG4MW
3. *Fractography Study of Explanted Intramedullary Nails*, By: Cristescu Ioan, Antoniac Iulian, Branzei Mihai, Ghiban, Brandusa, Ciocoiu Robert, Ciuca Ion Semenescu Augustin, Gradinaru, Sebastian, Pop Daniel, Raiciu, Anca Daniela, **MATERIALE PLASTICE**, Volume: 56, Issue: 4, Pages: 759-773, Published: DEC 2019, Document Type: Article, Accession Number: **WOS:000509920700014**, ISSN: 0025-5289, IDS Number: KG4MW
4. *The Sintering Behaviour and Mechanical Properties of Hydroxyapatite - Based Composites for Bone Tissue Regeneration*, By: Tecu Camelia, Antoniac, Iulian, Goller, Gultekin, Yavas,

- Baris, Gheorghe, Dan Antoniac, Aurora, Ciuca, Ion, Semenescu, Augustin, Raiciu, Anca Daniela, Cristescu, Ioan, **MATERIALE PLASTICE**, Volume: 56, Issue: 3, Pages: 644-648, Published: SEP 2019, Document Type: Article, Accession Number: WOS:000487764000035, ISSN: 0025-5289, IDS Number: JA3XX
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 6. ***Comparative Study of Heat Treatment Effects Performed with Solar Energy and Electric Furnace on EN 1.4848 Stainless Steel Alloyed with Co, W, Cu and Mo*** - Milosan Ioan, Flamant Gilles, Voiculescu Ionelia, Geanta, Victor, Munteanu Daniel, Bedo Tibor, Pop Mihai Alin, **Semenescu, Augustin**, Crisan, Aurel, Cristea, Daniel, **REVISTA DE CHIMIE**, Volume: 69, Issue: 5, Pages: 1050-1054, Published: MAY 2018, ISSN: 0034-7752, IDS Number: GJ00Q, Accession Number: WOS:000434954100004
 7. Chivu Oana Roxana, Mederle Ovidiu, **Semenescu, Augustin**, Mates Ileana, Babis Claudiu, Demetrian Camelia, Negoita Olivia, Demetrian Alin - ***The Determination of the Noise Pollution in a Production Hall and the Diseases Produced by It***, **REVISTA DE CHIMIE**, apr. 2018, Volume 69, Issue 4, pag. 875-880, ISSN: 0034-7752, IDS Number: GH2HN, Accession Number: WOS:000433223000025
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12. ***THEORETICAL AND EXPERIMENTAL RESEARCH IN ORDER TO PROTECT THE ENVIRONMENT IN ROMANIA***, By:Chivu, OR ; Semenescu, A ; Babis, C ; Iacobescu, G ; Negoita, OD; Gradinaru, S. REVISTA DE CHIMIE, Volume: 68 Issue: 8 Pages: 1858-1863, Published: AUG 2017, **Accession Number: WOS:000410388000038**, ISSN: 0034-7752, IDS Number: FG5QV
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14. Augustin SEMENESCU, Claudiu BABIS, Gabriel IACOBESCU, Marius ROGOBETE, Ciprian RACUCIU, Madlena NEN, Oana Roxana CHIVU*, Stefan Sorinel GHIMIS, ***RESEARCH ON THE IMPLEMENTATION OF CLEANER TECHNOLOGIES FOR OBTAINING CHEMICALS, IN RELATION TO THE ENVIRONMENT***, REV.CHIM.(Bucharest)(mensual magazine internationally recognized by review in Chemical Abstracts, Current Contents and Analytical Abstracts and also by inclusion in the index for scientific publications of ISI (Institute for Scientific Information, Philadelphia, USA), Impact Factor: 0.956, ♦68♦No. 4 ♦2017, pp 772-774, **WOS:000400732400030**
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17. Sebastian Marian Zaharia , Mihai Alin Pop *, Augustin Semenescu , Bogdan Florea , Oana Roxana Chivu, ***MECHANICAL PROPERTIES AND FATIGUE PERFORMANCES ON SANDWICH STRUCTURES WITH CFRP SKIN AND NOMEX HONEYCOMB CORE***, MATERIALE PLASTICE ♦54♦No.1 ♦2017, pp67-72, (mensual magazine internationally recognized by review in Chemical Abstracts, Current Contents and Analytical Abstracts and also by inclusion in the index for scientific publications of ISI (Institute for Scientific Information, Philadelphia, USA), Impact Factor: 0.956, **WOS:000400629900016**, ISSN: 0025-5289
18. Vlad Gabriel Vasilescu , Elisabeta Vasilescu , Augustin Semenescu *, Bogdan Florea , Ileana Mariana Mates , Oana Roxana Chivu, ***CONTRIBUTIONS REGARDING THE INFLUENCE OF THE ANTIBACTERIAL CHEMICAL DEPOSITS ON THE SURFACE OF THE ORAL IMPLANT OF THE Ti10ZR BIO-ALLOY ON ITS BEHAVIOUR DURING USE***, REV.CHIM.(Bucharest)♦68♦No. 2 ♦2017, pp. 238-242, (mensual magazine internationally recognized by review in Chemical Abstracts, Current Contents and Analytical Abstracts and also by inclusion in the index for scientific publications of ISI (Institute for Scientific Information, Philadelphia, USA), Impact Factor: 0.956, **Accession Number: WOS:000397043100009**, ISSN: 0034-7752

19. Dan Paul Stefanescu , Oana Roxana Chivu *, Claudiu Babis , **Augustin Semenescu** , Valentin Petrescu , Madlena Nen, ***RESEARCH ON THE MATHEMATICAL MODEL FOR DEVELOPING THE OIL PROCESSING COMPANY ENVIRONMENTAL STRATEGIES***, REV.CHIM.(Bucharest) ♦68♦No. 2 ♦2017, pp328-330, (mensual magazine internationally recognized by review in Chemical Abstracts, Current Contents and Analytical Abstracts and also by inclusion in the index for scientific publications of ISI (Institute for Scientific Information, Philadelphia, USA), Impact Factor: 0.956, **Accession Number: WOS:000397043100028**, ISSN: 0034-7752
20. Vlad Gabriel Vasilescu, Elisabeta Vasilescu, Dumitru Dima , Toma Lucian Ciocan, **Augustin Semenescu**, Bogdan Florea, Ileana Mariana Mates , Oana Roxana Chivu *, ***CONTRIBUTIONS ON SETTING THE OPTIMAL REGIME OF ANTIBACTERIAL DEPOSITION ON THE SURFACE OF THE ORAL IMPLANT OF Ti10Zr BIO-ALLOY***, REV.CHIM.(Bucharest)♦68♦No. 1 ♦2017, pp55-59, (mensual magazine internationally recognized by review in Chemical Abstracts, Current Contents and Analytical Abstracts and also by inclusion in the index for scientific publications of ISI (Institute for Scientific Information, Philadelphia, USA), Impact Factor: 0.956, **Accession Number: WOS: 000395499200013**, ISSN: 0034-7752, IDS Number: EM7NS
21. Oana Roxana Chivu *, **Augustin Semenescu**, Claudiu Babis, Catalin Amza, Gabriel Iacobescu, Zoia Apostolescu, Valentin Petrescu, George Mihail Adir, ***THE IMPACT OF THE INDUSTRIAL PROCESSING OF OIL ON THE RAINFALL WATER QUALITY***, REV.CHIM.(Bucharest)♦68♦No. 1 ♦2017, pp 175-179, (mensual magazine internationally recognized by review in Chemical Abstracts, Current Contents and Analytical Abstracts and also by inclusion in the index for scientific publications of ISI (Institute for Scientific Information, Philadelphia, USA), Impact Factor: 0.956, **Accession Number: WOS: 000395499200038**, ISSN: 0034-7752, IDS Number: EM7NS
22. Zoia Apostolescu, Oana Roxana Chivu, **Augustin Semenescu***, Claudiu Babis, Catalin Amza, Gabriel Iacobescu, Maria Alina Gligor, Dan Nitoi, George Mihail Adir, ***THE IMPACTS OF INDUSTRIAL PROCESSING OF OIL ON SOIL QUALITY***, REV.CHIM.(Bucharest)♦68♦No. 1 ♦2017, pp 111-115, (mensual magazine internationally recognized by review in Chemical Abstracts, Current Contents and Analytical Abstracts and also by inclusion in the index for scientific publications of ISI (Institute for Scientific Information, Philadelphia, USA), Impact Factor: 0.956, **Accession Number: WOS: 000395499200024**, ISSN: 0034-7752, IDS Number: EM7NS
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24. **THE MATHEMATICAL MODELING OF A CHEMICAL PRODUCTION PREDICTION FOR A CHEMICAL COMPANIE AND THE IMPACT OF THE RESULTS POLLUTANTS ON THE ENVIRONMENT**, **A.Semenescu**, Oana Roxana Chivu, C.Babis, Zoia Apostolescu, C.Amza, G.Iacobescu, V.Petrescu REVISTA DE CHIMIE (mensual magazine internationally recognized by review in Chemical Abstracts, Current Contents and Analytical Abstracts and also by inclusion in the index for scientific publications of ISI (Institute for Scientific Information, Philadelphia, USA), Volume: 67 Issue: 12 Pages: 2659-2661, 2016,

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25. **METHODS OF EVALUATING THE IMPACT OF AN ENVIRONMENTAL ASPECT IN CASE OF A PETROL PROCESSING COMPANIE,- Augustin Semenescu**, Oana Roxana Chivu, Claudiu Babis, Zoia Apostolescu, Maria Alina Gligor, Gabriel Iacobescu REVISTA DE CHIMIE (mensual magazine internationally recognized by review in Chemical Abstracts, Current Contents and Analytical Abstracts and also by inclusion in the index for scientific publications of ISI (Institute for Scientific Information, Philadelphia, USA), Volume 2016, November, Pag.2375-2378 , Impact Factor: 0.956, Accession Number: **WOS:000388361900053**, ISSN: 0034-7752
26. **EVALUATION OF BIODEGRADABILITY OF SURGICAL SYNTHETIC ABSORBABLE SUTURE MATERIALS: AN IN VITRO STUDY(EVALUAREA BIODEGRADABILITATII UNOR MATERIALE DE SUTURA SINTETICE ABSORBABILE: STUDIU IN VITRO)**, Marius Niculescu, Aurora Antoniac, Eugeniu Vasile, Augustin Semenescu, Octavian Trante, Mirela Sohaciu, Alina Musetescu Revista MATERIALE PLASTICE nr.4/2016, Pag.642-645 , Impact Factor: 0.90, Accession Number: **WOS: 000395047100014**, ISSN: 0025-5289
27. **LUBRICATION OF HIGH SPEED BALL-BEARINGS USING POLYMER ADDITIVES**, REVISTA DE CHIMIE Virgil Geamăn, Mihai Alin Pop, Irinel Radomir, Tibor Bedo, Bogdan Florea, Oana-Roxana Chivu, Augustin Semenescu (mensual magazine internationally recognized by review in Chemical Abstracts, Current Contents and Analytical Abstracts and also by inclusion in the index for scientific publications of ISI (Institute for Scientific Information, Philadelphia, USA), Volume 2016, November, Pag.2207-2209, Impact Factor: 0.956, Accession Number: **WOS:000388361900016**, ISSN: 0034-7752,
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