

Universitatea Națională de Știință și Tehnologie Politehnica București
 Facultatea IIR
 Departamentul ICTI

LISTA DE LUCRĂRI

Conf.Dr.Ing. BABIS CLAUDIU

10 LUCRĂRI REPREZENTATIVE ÎN DOMENIUL INGINERIE INDUSTRIALĂ

1. **C. Babiș**, O. Chivu, D. Dobrotă, Finite element type of stress analysis for parts based on S235 JR steel welding, *Metalurgija*, vol. 53, no.2, pp.251-253, 2014; IF=0.958, **WOS000326142100028**
2. Alin Dragos Demetrian, Mihnea Cosmin Costoiu, Augustin Semenescu, Gigel Paraschiv, Oana Roxana Chivu *, **Claudiu Babis**, Georgiana Moiceanu, Olivia Negoita, Ileana Mates, Title: Reduction of the biological danger of environmental contamination by means of a “complete and reusable thoracic drainage system”, Accession Number **WOS:000471010300156**, IF=2.075; ISSN: 2071-1050
3. Authors:Chivu, OR (Chivu, Oana Roxana)[1] ; **Babis, C (Babis, Claudiu)**[1] ; Semenescu, A (Semenescu, Augustin)[1] ; Negoita, OD (Negoita, Olivia Doina)[2] ; Iacobescu, G (Iacobescu, Gabriel)[1] ; Dimitrescu, A (Dimitrescu, Andrei)[1] , Title: The Environmental Impact of Ecological Rehabilitation Techniques Applied to Statically and Variably Stressed Welded Structures, *SUSTAINABILITY*, Volume: 10, Issue: 12, Article Number: 4782, DOI: 10.3390/su10124782, Published: DEC 2018, Document Type:Article, Publisher MDPI, ST ALBAN-ANLAGE 66, CH-4052 BASEL, SWITZERLAND ; Accession Number: **WOS:000455338100448**, IF=2.075; ISSN: 2071-1050
4. **C. Babis**, A. Semenescu, O.R.Chivu, Z. Apostolescu,V. Petrescu, G. Iacobescu, Title: Environmental Impact in Case of Fillet Welds Rehabilitation for Welded Bridges, Source: REVISTA DE CHIMIE Volume: 67 Issue: 9,pp1879-1883 Published: SEP (2016), ISSN: 0034-7752 **WOS:000385266600046**
5. **O.R. Chivu**, C. Babis, A. Dimitrescu, *The Determination And Appreciation Of Occupational Toxicity At Work*, Data publicării 2017/1, Jurnal FIABILITATE SI DURABILITATE, Volumul 1, Numărul 1, Pagini, 214-221, Editor, Editura "Academica Brancusi", Targu Jiu, ISSN 1844-640X , Indexate:, Copernicus, EBSCO, JurnalSeec, DOAJ, ULRICHS, SCPIO
6. **Babis, C**; Dimitrescu, A; Chivu, O; Semenescu, A; Petrescu, V, Title: The influence of welding parameters and welding rehabilitation techniques on the static loads resistance, *Modtech International Conference - Modern Technologies In Industrial Engineering Vi (Modtech 2018)*, Book Series: IOP Conference Series-Materials Science and Engineering , Volume: 400, Article Number: 022006, DOI: 10.1088/1757-899X/400/2/022006 , Published: 2018, Document Type:Proceedings Paper, Conference, Conference: 6th International Conference on Modern Technologies in Industrial Engineering (ModTech), Location: Constanta Maritime Univ, Constanta, ROMANIA , Date: JUN 13-16, 2018, Accession Number: **WOS:000461147400006**, ISSN: 1757-8981
7. **Babis, C**; Dimitrescu, A; Chivu, O; Semenescu, A; Petrescu, V, Title: Raising the fatigue durability curves in case of the rehabilitation welding techniques, *Modtech International Conference - Modern Technologies In Industrial Engineering Vi (Modtech 2018)*, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 400, Article Number: 022007, DOI: 10.1088/1757-899X/400/2/022007, Published: 2018, Document Type:Proceedings Paper, Conference, Conference: 6th International Conference on Modern Technologies in Industrial Engineering (ModTech), Location: Constanta Maritime Univ, Constanta, ROMANIA, Date: JUN 13-16, 2018, Accession Number: **WOS:000461147400007**, ISSN: 1757-8981
8. **Babis, C**; Dimitrescu, A; Iacobescu, G; Solomon, G; Chivu, O, Title: The influence of the weld toe grinding and wig remelting weld toe rehabilitation techniques, on variable stresses, in case of cross fillet welds, reinforced with additional welding rows, 8th International Conference On Manufactoluring Science And Education (MSE 2017) - Trends In New Industrial Revolution, Vol 121, Accession Number: **WOS:000435283800032**
9. Dimitrescu, A; **Babis, C**; Nitoi, DF; Radu, C, Title: Experimental fatigue curves for aluminium brazed areas, *Modtech International Conference - Modern Technologies In Industrial Engineering V*, Book Series: IOP Conference Series-Materials Science and Engineering , Volume: 227, Article Number: UNSP 012036, DOI: 10.1088/1757-899X/227/1/012036 , Published: 2017, Accession Number: **WOS:000409221600036**, Conference: 5th International Conference on Modern Technologies in Industrial Engineering (ModTech), Location: Lucian Blaga Univ Sibiu, Sibiu, ROMANIA, Date: JUN 14-17, 2017, ISSN: 1757-8981
10. Dimitrescu, A; **Babis, C**; Nitoi, DF; Radu, C, Title: Experimental fatigue curves for aluminium brazed areas, *Modtech International Conference - Modern Technologies In Industrial Engineering V*, Book Series: IOP Conference Series-Materials

Science and Engineering , Volume: 227, Article Number: UNSP 012036, DOI: 10.1088/1757-899X/227/1/012036 , Published: 2017, Accession Number: **WOS:000409221600036**, Conference: 5th International Conference on Modern Technologies in Industrial Engineering (ModTech), Location: Lucian Blaga Univ Sibiu, Sibiu, ROMANIA, Date: JUN 14-17, 2017, ISSN: 1757-8981

I. TEZA (E) DE DOCTORAT (T)

T1. “Cercetari Teoretice Si Experimentale Privind Influenta Tehnicilor De Reabilitare A Sudurilor De Colt Asupra Comportarii La Solicitari Variabile” - 2012

II. CĂRȚI PUBLICATE (C)

Ca – Cărți/cursuri (manuale) pentru uzul studenților, publicate în edituri recunoscute.

Ca1. C. Babis, G Iacobescu, O. Chivu, Z. Apostolescu, D.Nitoi, Elemente de securitate și sănătatea muncii în domeniul mecanic- Prelucrări prin așchiere, Editura PRINTECH, București, 2016, ISBN 978-606-23-0573-4, 177 pagini;

Ca2. O. Chivu, G Iacobescu, C. Babis, D Dobrotă- Elemente de control, Ed.PRINTECH, Bucuresti 2016, ISBN 978-606-23-0557-4, 171pagini;

Cb - Cărți de specialitate publicate în edituri recunoscute (autor, coautor, editor).

Cb1. Claudiu Babis, Gheorghe Solomon, Gabriel Iacobescu, Oana Chivu, Analiza Avariilor, Editura PRINTECH 2017, ISBN 978-606-23-0740-0, CNCSIS Cod 54, 319 pagini;

Cb2. Amza Gheorghe, Nitoi Dan, Babis Claudiu, Apostolescu Zoia- Tehnologia Materialelor-Sanatatea si Securitatea Muncii in Sectoare Primare-Elaborarea materialelor –Turnarea, Ed. Printech, Bucuresti 2016, ISBN 978-606-23-0632-8, CNCSIS Cod 54, 285 pagini;

Cb3. C. Babiș, O. Chivu -Comportarea la Oboseală a Structurilor Sodate- Noțiuni Teoretice - Calculul și Mecanica Ruperii- vol I, Ed. PRINTECH, București 2013, ISBN 978-606-23-0051-7, CNCSIS Cod 54, 130 pag;

Cb4. C. Babiș, O. Chivu -Comportarea la Oboseală a Structurilor Sodate- Cercetări Experimentale – Deformații și Curbe de Durabilitate -vol II, Ed. PRINTECH,București 2013, ISBN 978-606-23-00630, CNCSIS Cod 54, 172 pag.

Cb5. C Babis, G Iacobescu, O Chivu, D Dobrotă – Elemente Legislative in Domeniul Securitatii si Sanatatii in Munca, Ed.POLITEHNICA PRESS, Bucuresti 2013, ISBN 978-606-515-533-6, CNCSIS Cod 54, 365 pagini;

Cb6. C. Babis, G Iacobescu, O Chivu, D Dobrotă– Elemente Legislative In Domeniul Securitatii si Sanatatii in Munca-Sinteze si teste grila, Ed.POLITEHNICA PRESS, Bucuresti 2013, ISBN 978-606-515-535-0, CNCSIS Cod 54, 146 pagini;

Cb7. C. Babis-Avariile echipamentelor si produselor industriale, Editura Printech Bucuresti 2019, ISBN-978-606-23-0983-1, 445 pagini

Cc - Cărți publicate în alte edituri, cu ISBN.

III. ALTE MATERIALE PUBLICATE (I,D)

I - Culegeri și Îndrumare publicate (separate în edituri cu ISBN și în tipografiile locale/de instituții sau de uz intern).

I1. Claudiu Babis, Gheorghe Solomon, Gabriel Iacobescu, -,Bazele proceselor de sudare-Indrumar de laborator”, Ed. PRINTECH, Bucuresti 2017, ISBN 978-606-23-0734-9, 144 pagini;

I2. O Chivu, C Babiș, D Dobrotă – “Noțiuni Generale de Teoria Așchierii”, Indrumar laborator, Editura PRINTECH, București 2013,ISBN 976-606-23-0060-9, 105 pagini;

I3. O Chivu,C Babis, V Aioniesie –“Elemente de Medicina Muncii”, Indrumar de Laborator, Ed.PRINTECH, Bucuresti 2013, ISBN 978-606-23-0061-6, 111 pagini

D -Alte lucrări publicate: capitole publicate în volume colective, capitole teoretice redactate, sisteme de laborator funcționale etc.

IV. ARTICOLE / STUDII IN EXTENSO PUBLICATE (R,V)

Ris- Reviste de specialitate de circulație internaționalărecunoscute (cotate / indexate ISI Thomson Reuters, sau indexate in alte Baze de Date Internationale – BDI specific domeniului, care fac un proces de selectie a revistelor pe baza unor criterii de

performanta). *Se mentioneaza la fiecare lucrare includerea in Baza ISI [Accession Number, WOS=....., ultimul Factor Impact, ISSN] si/sau denumirea altei (altor) BDI.*

Ris1. Authors: Tudor Baracu, Monica Patrascu, Catalin Teodosiu, Marius-Victor Birsan, Adina Gheorghian, Constantin Streche, Romeo Bosneagu, Claudiu Babisa, Claudia Ionita, Viorel Bogdan Radoiu, Sorina Costinas, Liviu Stan, Calin Mesteru, Florian Vladulescu, Gerardo Collaguazo Galeano, Title: Deterministic matrix-based radiative design using a new general formulation of exergy and exergy efficiency for hybrid solar collectors”, Applied Thermal Engineering, Volume: 182, Issue: 115318, Article Number: 115318, pp x-y (19 pag); DOI: 10.1016/j.applthermaleng.2020.115318 Published: 2021, Document Type:Article, WOS 000592641600001, IF=4.725, ISSN:1359-4311

<https://www.webofscience.com/wos/woscc/full-record/WOS:000592641600001>

Ris2. Authors: Alin Dragos Demetrian, Mihnea Cosmin Costoiu, Augustin Semenescu, Gigel Paraschiv, Oana Roxana Chivu *, Claudiu Babis, Georgiana Moiceanu, Olivia Negoita, Ileana Mates, Title: On the Reduction of the biological danger of environmental contamination by means of a “complete and reusable thoracic drainage system”, SUSTAINABILITY, Volume: 11, Issue: 10, Article Number: 2873, pp 1-15 (15 pag); DOI: 10.3390/su11102873 Published: MAY 2 2019, Document Type:Article, Accession Number WOS:000471010300156, IF=2.592, ISSN: 2071-1050,

<https://www.webofscience.com/wos/woscc/full-record/WOS:000471010300156>

Ris3. Iacobescu, G (Iacobescu, Gabriel)[1] ; Rontescu, C (Rontescu, Cornel)[1] ; Cicic, DT (Cicic, Dumitru Titi)[1] ; Dimitrescu, A (Dimitrescu, Andrei)[1] ; Babis, C (Babis, Claudiu)[1] ; Chivu, O (Chivu, Oana)[1] , Title research on the humidity absorption of some electrode coatings for arc welding, university politehnica of bucharest, scientific bulletin series b-chemistry and materials science , Volume: 81, Issue: 2 , Pages: 257-263, Published: 2019, Document Type:Article, WOS:000487213500023, ISSN: 1454-2331

<https://www.webofscience.com/wos/woscc/full-record/WOS:000487213500023>

Ris4. Authors: Chivu, OR (Chivu, Oana Roxana)^[1]; Babis, C (Babis, Claudiu)^[1]; Semenescu, A (Semenescu, Augustin)^[1]; Negoita, OD (Negoita, Olivia Doina)^[2]; Iacobescu, G (Iacobescu, Gabriel)^[1]; Dimitrescu, A (Dimitrescu, Andrei)^[1], **Title:** The Environmental Impact of Ecological Rehabilitation Techniques Applied to Statically and Variably Stressed Welded Structures, SUSTAINABILITY, Volume: 10, Issue: 12, Article Number: 4782, pp 1-18 (18 pag.), DOI: 10.3390/su10124782, Published: DEC 2018, Document Type:Article, Publisher MDPI, ST ALBAN-ANLAGE 66, CH-4052 BASEL, SWITZERLAND, Accession Number: WOS:000455338100448, IF=2.592, ISSN: 2071-1050

<https://www.webofscience.com/wos/woscc/full-record/WOS:000455338100448>

Ris5. Authors: Babis, C (Babis, Claudiu)^[1]; Semenescu, A (Semenescu, Augustin)^[2]; Chivu, OR (Chivu, Oana Roxana)^[1]; Negoita, O (Negoita, Olivia)^[3]; Iacobescu, G (Iacobescu, O)^[1]; Ghimisi, S (Ghimisi, Stefan)^[4], **Title:** The Algorithm Of Chemical Risk Assessment In A Welded Construction Company, REVISTA DE CHIMIE, Volume: 69, Issue: 9, Pages: 2551-2556, Published SEPT 2018, **Accession Number: WOS:000449628400052**; ISSN: 0034-7752

<https://www.webofscience.com/wos/woscc/full-record/WOS:000449628400052>

Ris6. Authors: Babis, C (Babis, Claudiu)^[1]; Semenescu, A (Semenescu, Augustin)^[2]; Chivu, OR (Chivu, Oana Roxana)^[1]; Gligor, MA (Gligor, Maria Alina)^[3]; Iacobescu, G (Iacobescu, Gabriel)^[1]; Ghimisi, S (Ghimisi, Stefan)^[4]; Negoita, O (Negoita, Olivia)^[5], **Title:** The Determination of Noxes Emissions in Case of Manual Arc Welding Process with Coated Electrode, REVISTA DE CHIMIE, Volume: 69, Issue: 7, Pages: 1826-1829, Published: JUL 2018, **Accession Number: WOS:000444595700046**

<https://www.webofscience.com/wos/woscc/full-record/WOS:000444595700046>

Ris.7. *Autors: Chivu, OR (Chivu, Oana Roxana)^[1]; Mederle, O (Mederle, Ovidiu)^[2]; Semenescu, A (Semenescu, Augustin)^[3]; Mates, I (Mates, Ileana)^[4]; Babis, C (Babis, Claudiu)^[1]; Demetrian, C (Demetrian, Camelia)^[5]; Negoita, O (Negoita, Olivia)^[6]; Demetrian, A (Demetrian, Alin)^[7], **Title:** The Determination of the Noise Pollution in a Production Hall and the Diseases Produced by It, REVISTA DE CHIMIE, Volume: 69 Issue: 4, Pages: 875-880, Published APR 2018, **Accession Number: WOS:000433223000025**

<https://www.webofscience.com/wos/woscc/full-record/WOS:000433223000025>

Ris 8. Autors: Iacobescu, G (Iacobescu, Gabriel)^[1]; Rontescu, C (Rontescu, Cornel)^[1]; Cicic, DT (Cicic, Dumitru Titi)^[1]; Babis, C (Babis, Claudiu)^[1]; Dimitrescu, A (Dimitrescu, Andrei)^[1]; Chivu, O (Chivu, Oana)^[1] **Title:** Influence of the chemical composition of coated electrodes on moisture content of the coating and diffusible hydrogen in the welded metal, university politehnica of bucharest scientific bulletin series b-chemistry and materials science, Volume: 80, Issue: 3, Pages: 75-84, Published:2018, **Accession Number: WOS:000440890800007**

<https://www.webofscience.com/wos/woscc/full-record/WOS:000440890800007>

Ris.9.Autors:By:Chivu, OR (Chivu, Oana Roxana)^[1]; Semenescu, A (Semenescu, Augustin)^[2]; Babis, C (Babis, Claudiu)^[1]; Iacobescu, G (Iacobescu, Gabriel)^[1]; Negoita, OD (Negoita, Olivia Doina)^[3]; Gradinaru, S (Gradinaru, Sebastian)^[4], **Title:** Theoretical and Experimental Research in Order to Protect the Environment in Romania, REVISTA DE CHIMIE, Volume: 68, Issue: 8, Pages: 1858-1863, Published:AUG 2017, **Accession Number: WOS:000410388000038**
<https://www.webofscience.com/wos/woscc/full-record/WOS:000410388000038>

Ris.10. Autors:Chivu, OR (Chivu, Oana Roxana)[1] ; Semenescu, A (Semenescu, Augustin)[2] ; Babis, C (Babis, Claudiu)[1] ; Iacobescu, G (Iacobescu, Gabriel)[1] ; Negoita, OD (Negoita, Olivia Doina)[3] ; Gradinaru, S (Gradinaru, Sebastian)[4], **Title: Theoretical and Experimental Research in Order to Protect the Environment in Romania**, REVISTA DE CHIMIE, Volume: 68, Issue: 8, Pages: 1858-1863, Published: AUG 2017, **Accession Number:WOS:000410388000038**
<https://www.webofscience.com/wos/woscc/full-record/WOS:000410388000038>

Ris.11. Autors:Semenescu, A (Semenescu, Augustin); **Babis, C** (Babis, Claudiu); Iacobescu, G (Iacobescu, Gabriel); Rogobete, M (Rogobete, Marius); Racuciu, C (Racuciu, Ciprian); Nen, M (Nen, Madlena); Chivu, OR (Chivu, Oana Roxana); Ghimis, SS (Ghimis, Stefan Sorinel), **Title: Research on the Implementation of Cleaner Technologies for Obtaining Chemicals, in Relation to the Environment**, REVISTA DE CHIMIE , Volume: 68 , Issue: 4 , Pages: 772-775 , Published: APR 2017, **Accession Number: WOS:000400732400030**
<https://www.webofscience.com/wos/woscc/full-record/WOS:000400732400030>

Ris.12. Autors:Stefanescu, DP (Stefanescu, Dan Paul) Chivu, OR (Chivu, Oana Roxana); **Babis, C** (Babis, Claudiu); Semenescu, A (Semenescu, Augustin); Gligor, A (Gligor, Alina), **Title:Research on the Economic Organization Environmental Impact**, Source: REVISTA DE CHIMIE, Volume: 68, Issue: 3, Pages: 599-601, Published: MAR 2017, **Accession Number: WOS:000400731900039**
<https://www.webofscience.com/wos/woscc/full-record/WOS:000400731900039>

Ris.13. Autors:Stefanescu, DP (Stefanescu, Dan Paul) Chivu, OR (Chivu, Oana Roxana), **Babis, C** (Babis, Claudiu); Semenescu, A (Semenescu, Augustin)¹Petrescu, V (Petrescu, Valentin) Nen, M (Nen, Madlena), **Title:Research on the Mathematical Model for Developing the Oil Processing Company Environmental Strategies**, Source:REVISTA DE CHIMIE, Volume: 68, Issue: 2, Pages: 328-330 , Published: FEB 2017, **Accession Number: WOS:000397043100028**
<https://www.webofscience.com/wos/woscc/full-record/WOS:000397043100028>

Ris.14. Autors:Chivu, OR (Chivu, Oana Roxana; Semenescu, A (Semenescu, Augustin); **Babis, C** (Babis, Claudiu); Amza, C (Amza, Catalin); Iacobescu, G (Iacobescu, Gabriel); Apostolescu, Z (Apostolescu, Zoia); Petrescu, V (Petrescu, Valentin); Adir, GM (Adir, George Mihail), **Title: The Impact of the Industrial Processing of Oil on the Rainfall Water Quality**, Source: REVISTA DE CHIMIE , Volume: 68, Issue: 1, Pages: 175-179 , Published: JAN 2017, **Acesion number:WOS:000395499200038**
<https://www.webofscience.com/wos/woscc/full-record/WOS:000395499200038>

Ris.15. Autors:Apostolescu, Z (Apostolescu, Zoia); Chivu, OR (Chivu, Oana Roxana); Semenescu, A (Semenescu, Augustin); **Basis, C**(Basis, Claudiu); Amza, C (Amza, Catalin); Iacobescu, G (Iacobescu, Gabriel); Gligor, MA (Gligor, Maria Alina); Nitoi, D (Nitoi, Dan); Adir, GM (Adir, George Mihail), **Title: The Impacts of Industrial Processing of Oil on Soil Quality**, REVISTA DE CHIMIE , Volume: 68 , Issue: 1, Pages: 111-115 , Published: JAN 2017, **Accession Number: WOS:000395499200024**
<https://www.webofscience.com/wos/woscc/full-record/WOS:000395499200024>

Ris.16. Author(s): Chivu, OR (Chivu, Oana Roxana); Semenescu, A (Semenescu, Augustin); **Babis, C (Babis, Claudiu)**; Amza, C (Amza, Catalin); Iacobescu, G (Iacobescu, Gabriel); Pasare, M (Pasare, Minodora); Petrescu, V (Petrescu, Valentin); Apostolescu, Z (Apostolescu, Zoia), **Title: The Impacts of Industrial Processing of Oil on the Fountain Water Quality**, Source: REVISTA DE CHIMIE Volume: 67 Issue: 12 Pages: 2577-2583 Published: DEC 2016, **Accession Number: WOS:000393230400039**, ISSN: 0034-7752
<https://www.webofscience.com/wos/woscc/full-record/WOS:000393230400039>

Ris.17. Author(s): Semenescu, A (Semenescu, Augustin); Chivu, OR (Chivu, Oana Roxana); **Babis, C (Babis, Claudiu)**; Apostolescu, Z (Apostolescu, Zoia); Amza, C (Amza, Catalin); Iacobescu, G (Iacobescu, Gabriel); Petrescu, V (Petrescu, Valentin), **Title: The Mathematical Modeling of a Chemical Production Prediction for a Chemical Companie and the Impact of the Results Polutants on the Environment**, Source: REVISTA DE CHIMIE Volume: 67 Issue: 12 Pages: 2659-2661 Published: DEC 2016, **Accession Number: WOS:000393230400056**, ISSN: 0034-7752

<https://www.webofscience.com/wos/woscc/full-record/WOS:000393230400056>

Ris.18. Author(s): Semenescu, A (Semenescu, Augustin); Chivu, OR (Chivu, Oana Roxana); Babis, C (**Babis, Claudiu**); Apostolescu, Z (Apostolescu, Zoia); Gligor, MA (Gligor, Maria Alina); Iacobescu, G (Iacobescu, Gabriel), Title: **Methods of Evaluating the Impact of an Environmental Aspect in Case of a Petrol Processing Companie**, Source: REVISTA DE CHIMIE Volume: 67 Issue: 11 Pages: 2375-2378 Published: NOV 2016

Accession Number: WOS:000388361900053, ISSN: 0034-7752

<https://www.webofscience.com/wos/woscc/full-record/WOS:000388361900053>

Ris.19. Author(s): Semenescu, A (Semenescu, Augustin); Chivu, OR (Chivu, Oana Roxana); **Babis, C (Babis, Claudiu)**; Apostolescu, Z (Apostolescu, Zoia); Amza, C (Amza, Catalin); Petrescu, V (Petrescu, Valentin); Iacobescu, G (Iacobescu, Gabriel), Title: **The Impact of Industrial Oil Processing Activity on the Air Quality**, Source: REVISTA DE CHIMIE Volume: 67 Issue: 10 Pages: 2018-2021 Published: OCT 2016, **Accession Number: WOS:000388359900027**, ISSN: 0034-7752

<https://www.webofscience.com/wos/woscc/full-record/WOS:000388359900027>

Ris.20. Author(s): Semenescu, A (Semenescu, Augustin); Chivu, OR (Chivu, Oana Roxana); **Babis, C (Babis, Claudiu)**; Apostolescu, Z (Apostolescu, Zoia); Petrescu, V (Petrescu, Valentin); Iacobescu, G (Iacobescu, Gabriel), Title: **Research on the Influence of Alloying Elements on the Behaviour of the Cladding by Welding of Steels**, Source: REVISTA DE CHIMIE Volume: 67 Issue: 9 Pages: 1787-1792 Published: SEP 2016

Accession Number: WOS:000385266600028, ISSN: 0034-7752

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Ris.21. Author(s): **Babis, C (Babis, Claudiu)**; Semenescu, A (Semenescu, Augustin); Chivu, OR (Chivu, Oana Roxana); Apostolescu, Z (Apostolescu, Zoia); Petrescu, V (Petrescu, Valentin); Iacobescu, G (Iacobescu, Gabriel), Title: **Environmental Impact in Case of Fillet Welds Rehabilitation for Welded Bridges**, Source: REVISTA DE CHIMIE Volume: 67 Issue: 9 Pages: 1879-1883 Published: SEP 2016

Accession Number: WOS:000385266600046, ISSN: 0034-7752

<https://www.webofscience.com/wos/woscc/full-record/WOS:000385266600046>

Ris.22. Author(s): Semenescu, A (Semenescu, Augustin); **Babis, C (Babis, Claudiu)**; Chivu, OR (Chivu, Oana Roxana); Gligor, MA (Gligor, Maria Alina), Title: **The Effect of the Dilution Multiple Layers, in the Case of Cladding by Welding**, Source: REVISTA DE CHIMIE Volume: 67 Issue: 8 Pages: 1555-1557 Published: AUG 2016, **Accession Number: WOS:000384514200031**, ISSN: 0034-7752

<https://www.webofscience.com/wos/woscc/full-record/WOS:000384514200031>

Ris.23. Author(s): Semenescu, A (Semenescu, Augustin); Chivu, OR (Chivu, Oana Roxana); **Babis, C (Babis, Claudiu)**; Apostolescu, Z (Apostolescu, Zoia); Petrescu, V (Petrescu, Valentin); Balan, G (Balan, George), Title: **Formation Mechanism Emissions in Case of Reconditioning by Welding in the Automotive Industry Crankshafts**, Source: REVISTA DE CHIMIE Volume: 67 Issue: 7 Pages: 1281-1283 Published: JUL 2016, **Accession Number: WOS:000385513000009**, ISSN: 0034-7752

<https://www.webofscience.com/wos/woscc/full-record/WOS:000385513000009>

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*lucrari scrise de la ultima avansare si publicate si indexate dupa numirea pe post

**lucrari scrise de la ultima avansare dar publicate intre sustinerea examenului si numirea pe post

Vn - Volumele unor manifestări științifice naționale.

Vn1. Prof. Ph.D Eng. Mircea D. Ratiu, Prof. Ph.D Eng. Gheorghe Solomon, Lecturer Ph.D Eng. Dumitru Titi Cicic, Eng. Ph.D Student Claudiu Babis - Câteva considerații privind fiabilitatea sudurilor de colț convexe - Conferința Internațională ASR

„SUDURA 2010”, Tehnologii de sudare si recondiționare prin sudare, 21 – 23 aprilie 2010, Ploiesti ISSN 1843-4738, Ed. Sudura, Cod CNCISIS 25 – 2010, pag. 103-114;

Vn2. Dumitru-Titi Cicic, Gheorghe Solomon, Corneliu Rontescu, **Claudiu Babis**, **Cercetări privind influența zonei de prelevare a probelor pentru încercările de omologare a unei tehnologii de sudare MAG – mecanizat**, Conferința ASR: Sudura 2011-Tradiție și artă în construcția echipamentelor energetice, Reșița, ISSN 1843-4738, Ed. Sudura, Cod CNCISIS 25, pag. 207...220;

V. BREVETE DE INVENȚIE / INOVAȚII (B,A)

B - Brevete de invenție.

A - Inovații și alte creații.

VI. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE (P,F) – specifică ce esti director sau membru!

P – Proiecte de cercetare-dezvoltare – inovare obtinute prin competitie, pe bază de contract/grant, in tara/strainatate (**Pn** – nationale, **Pi** - internationale).

Pn – nationale

Pn1. Reducerea concentratorilor de tensiuni la îmbinările sudate de colț- Contrac de cercetare științifică- Nr. 326 din 21.04.2016- **DIRECTOR PROIECT**

Pn2. Tehnologii de asamblare nedemontabila cu ultrasunete a unor materiale compozite inteligente ID 422, ontract nr. 30/26.09.2016-Membru;

Pn3. Instalatie de preparare a aerului folosind sisteme de filtrare cu ultrasunete, Bridge Grant-2016-0223; PN-III-PZ-2.1-BG-2016-0062-Membru

Pn4. Tehnologii optime de brazare manuala/semiautomata a produsului stingator portativ cu pulbere presurizata permanent, modelul P1, confectional din Aluminiu, Contract de cercetare stiintifica nr. 321 din 16.04.2016

Pn5. Contract nr. 3406/2019-Reabilitarea imbinarilor sudate de colt din component structurilor sudate, in vederea maririi duratei de viata la oboseala, valoare 25247 lei, **DIRECTOR DE PROIECT**

Pn.6. Contract nr.3407/2019-Cercetari teoretice si experimentale privind aprecierea tensiunilor remanente din piese, valoare: 25123 lei, **DIRECTOR PROIECT**

F – Alte lucrări de cercetare – dezvoltare

VII. COMUNICĂRI ȘTIINȚIFICE NEPUBLICATE (E)

E – Lucrări prezentate la diferite seminarii/expoziții, conferințe, etc.

Conf.dr.ing. Babis Claudiu

22.03.2024