Universitatea Naţională de Stiinţă şi Tehnologie POLITEHNICA Bucureşti
Facultatea: Inginerie Industrială și Robotică
Departamentul: Ingineria Calităţii şi Tehnologii Industriale

L I S T A D E L U C R Ă R I

Conferenţiar dr. ing. Gârleanu L. Gabriel

10 LUCRĂRI RELEVANTE

1) ***G. Gârleanu*** **,** D Gârleanu , C Borda , V Popovici and A T Gheorghian, „*Increasing the endurance of railways"*, ModTech 2018 IOP Publishing IOP Conf. Series: Materials Science and Engineering 400 (2018)062010doi:10.1088/1757-899X/400/6/062010, (9 pag.), Volume 400, 2018, ModTech International Conference - Modern Technologies in Industrial Engineering VI (ModTech2018),13–16 June 2018, ISSN:1757-8981, Accession Number: WOS:000461147400152
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000461147400152

2) ***G. Gârleanu***, V. Popovici, D. Gârleanu, C. Luchian, "*Modeling by Finite Element Method of Thermal Field when Coating with Stellite Welding of Valvetype Parts*", Applied Mechanics and Materials, Vol. 371, pp. 260-264, 2013, Journal/Series:Applied Mechanics and Materials, ISSN: 1662-7482, IF: 0.38, DOI: 10.4028 /www.scientific.net /AMM.371.260, Published, August 2013, Accession Number: WOS:000334556900051.
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000334556900051

3) Delia Gârleanu, ***Gabriel Gârleanu****,_* - autor corespondent, „*Effect of Chemical Composition on Hard Deposits Properties in the Case of Weld Refurbishment of Heavy Crushing Hammers''*, Volume 70, Issue:2, Pages 417-424, Published: Feb 2019, Revista Chimie , Bucharest, ISSN-0034-7752, IF: 1.755, Accession Number: WOS: 000461982200012.
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000461982200012

4) ***Gabriel Gârleanu***, Delia Garleanu*, Borda Claudia, Cornelia Luchian & Marius Dumitras - *Doubling the power of a wood boiler with fixed grill*, Author corespondent e-mails: delia.garleanu@upb.ro, ModTech International Conference *Modern Technologies in Industrial Engineering June 23rd-27th, Online edition*,2 ModTech, IOP Conference Series: Materials Science and Engineering, IOP Conference Series: Materials Science and Engineering, Volume 916, ModTech International Conference - Modern Technologies in Industrial Engineering VIII 24-27 June 2020, Constanta, Romania**,** ISSN 1757-898, Indexata in Web of Science Accession Number:WOS:000625330000039
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000625330000039

5) Delia Gârleanu 1 , Claudia Borda 1,*_**Gabriel Gârleanu** 1,*_ , Cristina Modrogan 2 , Marius Dumitras, 1 , Dan Dobrotă 3,* , Sever-Gabriel Racz 3 and Loredana Cristina Dascălu 1,Gabriel Gârleanu* - autor corespondent, *Increasing the Durability of Trimming Dies Used to Clean Anodes in the Aluminum Industry*, *Metals* 2021, *11*(8), 1157;(16 pagini),Received: 13 June 2021(Q1) / Revised: 14 July 2021 / Accepted: 19 July 2021 / Published: 22 July 2021 (Q2), eISSN 2075-4701, Current Impact Factor: 2.487**,** Accession Number: WOS:000690499400001, articol în zonă galbenă
https://0d10tzcu3-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000690499400001

6) Cristina Modrogan, Andreea Mădălina Pandele, Constantin Bobirică *, Dan Dobrotă ,*, Annette Madelene Dăncilă, ***Gabriel Gârleanu***, Oanamari Daniela Orbuleț, Claudia Borda, Delia Gârleanu and Cristina Orbeci *„1Synthesis, Characterization and Sorption Capacity Examination for a Novel Hydrogel Composite Based on Gellan Gum and Graphene Oxide (GG/GO)''*, Polymers 2020, 12, 1182; doi:10.3390/polym12051182, *Polymers* 2020, *12*(5), (20 pagini)1182; https://doi.org/10.3390/polym12051182 (registering DOI) Received: 13 May 2020 / Revised: 18 May 2020 / Accepted: 19 May 2020 / Published: 21 May 2020, *Polymers* (ISSN: 2073-4360), Current Impact Factor: 3.426, JCR category rank: 17/87 (Q1) in 'Polymer Science', Accession Number: WOS:000541431100187 **articol în zonă roşie**
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000541431100187

7) **G. Gârleanu**, D. Gârleanu, Ghe. Calea, N. Avram - *" Booth for the welding stresses from the welded joints using ultrasonic actuators"* - Revista Metalurgia Internaţional, Ed ştiinţifică FMR, 12(3) / 2007 factor de impact =0.17, p. 20 – 23, ISSN 1582 – 2214, Indexata in Web of Science , expertizari.wixsite.com/cems-upb/articole-isi, Accession Number: WOS:000255786000002
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000255786000002

8) Annette Madelene Dăncilă 1, Simona Căprărescu 1, Constantin Bobirică 1, Violeta Purcar 2, ***Gabriel Gârleanu 3***, Eugeniu Vasile 4, Cristina Modrogan 1,*, Claudia Borda 3 and Dan Dobrotă 5,*,, Optimization of the Technological Parameters for Obtaining Zn-Ti Based Composites to Increase the Performance of H2S Removal from Syngas ,,Received: 7 April 2020 / Revised: 6 May 2020 / Accepted: 7 May 2020 / Published: 10 May 2020, *Processes* 2020, *8*(5), 562;https://doi.org/10.3390/pr8050562 (registering DOI), ;(14 pag), JCR category rank: 69/138 (Q2) in 'Engineering, Chemical', Current Impact Factor: 2.753, Accession Number: WOS:000541752600004, articol în zonă galbenă
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000541752600004

9) *D Gârleanu*, C Borda, ***G Gârleanu***, D Arseneand L Cornelia, " *Laparoscopic welding*" , IOP Publishing, IOP Conf. Series: Materials Science and Engineering 400 **(**2018),022026 doi:10.1088/1757-899X/400/2/022026, (8

pag.), Volume 400, ModTech International Conference - Modern Technologies in Industrial Engineering VI (ModTech2018),13–16 June 2018, ISSN:1757-8981, Accession Number: WOS:000461147400026
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000461147400026

10) D Gârleanu , ***G Gârleanu*** , C Borda , C Pupăză and V Popovici, "*Innovative solution for repairing and increasing the operational safety of rotary drum mill spindles*", ModTech 2018 IOP Publishing IOP Conf. Series: Materials Science and Engineering 400 (2018) 042023 doi:10.1088/1757-899X/400/4/042023 ,(8 pag.), Volume 400, 2018, ModTech International Conference - Modern Technologies in Industrial Engineering VI (ModTech2018),13–16 June 2018, Constanta, Romania, ISSN:1757-8981, Accession Number: WOS:00461147400095
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000461147400095

I. TEZA (E) DE

DOCTORAT

T 1. *Contribuţii teoretice şi experimentale privind măsurarea tensiunilor interne reziduale şi deformaţiilor la sudare utilizând actuatoare ultrasonice"* Diploma de Doctor Inginer în domeniul Inginerie Industrială Seria C, Nr. 0009198, emisă în baza Ordinului Ministrului Educatiei, Cercetării şi Tineretului nr. 5663/2003.

II. CĂRŢI

PUBLICATE (C)

Ca – Cărţi / cursuri (manuale) pentru uzul studentilor, publicate în edituri recunoscute.

Ca1 – ***Gabriel Gârleanu,*** Claudia Borda, Delia Gârleanu, Mihaela Turof – *"Tehnologia Materialelor"*, Editura Printech, recunoscută CNCSIS cod 54, ISBN 978-606-23-1074-5, 514 pagini, Bucureşti 2020;

Ca2 – Florea Dumitrache, ***Gabriel Gârleanu***, Cornelia Luchian, *Delia Gârleanu ,,Tehnologii de sudare prin presiune - Volumul II''* - Editura Printech, recunoscută CNCSIS cod 54 ISBN 978-606-521-774-9, 253 pag. Bucureşti 2012;

Ca3 – Gheorghe Amza, Constantin Radu, Zoia Apostolescu, Cătălin Gheorghe Amza, Alexandru Dumitrache-Rujinski, ***Gabriel Gârleanu***, Delia Gârleanu - ,,*Calitatea in Procesele de operare Volumul IV* – Editura Printech, recunoscută CNCSIS cod 54, ISBN – 978-606-521-842-0, 748 pag., Bucuresti 2012;

Ca4 – Florea Dumitrache, Delia Gârleanu, ***Gabriel Gârleanu***, Cornelia Luchian, *Tehnologii de sudare prin presiune – Volumul I* - Editura Printech, recunoscută CNCSIS cod 54, ISBN 978-606-521-774-4, 222 pag. Bucureşti *2011*

Ca5 – Gheorghe AMZA, Constantin Radu, Zoia Apostolescu, Cătălin Gheorghe Amza, Alexandru Dumitrache-Rujinski, ***Gabriel Gârleanu***, Delia Gârleanu, *Procese de operare vol IV* - Editura Printech, recunoscută CNCSIS cod 54, ISBN 978-606-521-017-2, 710 pag. Bucureşti 2008

Ca6 – Florea Dumitrache, Delia Gârleanu, ***Gabriel Gârleanu***, Cornelia Luchian, *Tehnologii de sudare prin presiune în puncte, în relief şi în linie*, Editura Printech, recunoscută CNCSIS cod 54, ISBN 978-606-521-159-9, 216 pag. Bucureşti 2008

Ca7 – Gheorghe Amza, Radu Constantin, Zoia Apostolescu, ***Gabriel Gârleanu***, – *Aplicaţiile ultrasunetelor – Vol.3 – Motoare Ultrasonice* Ed.BREN, recunoscută CNCSIS cod 96 ,ISBN 973 – 648 – 393 – 2, 315 pagini, Bucureşti 2005

Ca8 – Gheorghe Amza, ***Gabriel Gârleanu***, Apostolescu Zoia, Radu Constantin, *Prelucrarea prin aşchiere - Echipament tehnologic si proiectare asistată*, Ed. BREN, recunoscută CNCSIS cod 96, ISBN 973 – 648 – 126 – 3, 376. Pagini, Bucureşti 2003,

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

Cb1 – ***Gabriel Gârleanu,*** *Informatizarea şi Optimizarea Proceselor Tehnologice*, Editura Printech, recunoscută CNCSIS cod 54, ISBN 978 – 973 – 718 – 659 – 1, 263 pagin, , Bucureşti 2007;

Cb2 – Delia Gârleanu, Luchian Cornelia, ***Gabriel Garleanu***, ''*Sudarea prin presiune'',* Editura Printech, recunoscută CNCSIS cod 54, ISBN 978-606- 23-0959-256 pag, Bucureşti 2019

Cb3 – Delia Gârleanu, ***Gabriel Garleanu***, ''*Reconditionarea prin sudare a pieselor de tip arbore*'', Editura Printech, recunoscută CNCSIS cod 54, ISBN 978-606- 23-0724-0,286 pag, , Bucureşti 2017

Cb4 – Delicia Arsene, Claudia Borda, Victor Popovici, Larisa Butu, Marinela Marinescu, Delia Gârleanu, ***Gabriel Gârleanu***, Gheorghe Arsene ,,*Materiale avansate. Structura. Proprietati. Elaborare. Inspectie''*, Editura Politehnica Press, recunoscută CNCSIS, cod 19, ISBN 978-606-515-704-0, 198 pag., Bucureşti 2016

Cc - Cărţi publicate în alte edituri, cu ISBN.

III. ALTE MATERIALE PUBLICATE (I,D)

I - Culegeri şi Îndrumare publicate (separate în edituri cu ISBN şi în tipografii locale/de instituţii sau de uz intern).

I1 – ***Gabriel Gârleanu***, Claudia Borda, Delia Gârleanu - Tehnologia materialelor si prelucrari prin aschiere-Printech, ISBN 978-606-23-1131-5, 328 pag, recunoscută CNCSIS cod 54, Bucureşti 2020

I2 – Cornelia Luchian, Delia Gârleanu, ***Gabriel Gârleanu,*** Mihaela Turof, *Inginerie Mecanică,* Editura PRINTECH, ISBN 978-606-23-0933-6, 345 pag, recunoscută CNCSIS cod 54, Bucureşti 2019

I3 – ***Gabriel Gârleanu***, Delia Gârleanu, Claudia Borda, Victor Popovici, Delicia Arsene, Cornelia Luchian, *Tehnologii de fabricaţie*, Editura PRINTECH, ISBN 978-606-23-0828-5, 178 pag, recunoscută CNCSIS cod 54, Bucureşti 2018

I4 – Delia Gârleanu, Cornelia Luchian Dumitru Cicic, ***Gabriel Gârleanu,*** Corneliu Rontescu, Andrei Dimitrescu , Florea Dumitrache, *Tehnologia Materialelor - Îndrumar de laborator*, Editura PRINTECH, ISBN 978-606-23-0153-8, 226 pag. recunoscută CNCSIS cod 54, Bucureşti 2014

I5 – Cornelia Luchian, Delia Gârleanu, ***Gabriel Gârleanu,*** Dumitru Cicic, Corneliu Rontescu, Andrei Dimitrescu, Florea Dumitrache*, Inginerie Mecanică - Îndrumar de laborator şi temă de casă*, Editura PRINTECH, 294 pag recunoscută CNCSIS cod 54, Bucureşti 2014

I6 – Florea Dumitrache (coordonator), Cornelia Luchian, Delia Gârleanu, Dumitru Cicic, ***Gabriel Gârleanu,*** Corneliu Rontescu, Andrei Dimitrescu, *Inginerie Mecanică - Îndrumar de laborator şi temă de casă*, Ed. PRINTECH, ISBN 978-606-521-946-5, 266 pag., recunoscută CNCSIS cod 54, Bucureşti 2013

I7 – Florea Dumitrache, Cornelia Luchian, Delia Gârleanu, Dumitru Cicic, ***Gabriel Gârleanu,*** Corneliu Rontescu, Andrei Dimitrescu, *Inginerie Mecanică - Îndrumar de laborator şi temă de casă*, Editura PRINTECH, ISBN 978-606-521-815-4, 235 pag. recunoscută CNCSIS cod 54, Bucureşti 2012

I8 – Florea Dumitrache, Cornelia Luchian, Delia Gârleanu, Dumitru Cicic, ***Gabriel Gârleanu,*** Corneliu Rontescu, Andrei Dimitrescu, *Inginerie Mecanică - Îndrumar de laborator*, Editura PRINTECH, ISBN 978-606-521-623-5, 267 pag. recunoscută CNCSIS cod 54, Bucureşti 2011

I9 – Florea Dumitrache, Cornelia Luchian, Delia Gârleanu, Dumitru Cicic, ***Gabriel Gârleanu,*** Corneliu Rontescu, Andrei Dimitrescu, *Inginerie Mecanică - Îndrumar de laborator*, Editura PRINTECH, ISBN 978-606-521-473-6, 276 pag. recunoscută CNCSIS cod 54, Bucureşti 2010,

I10 – Florea Dumitrache**,** Delia Gârleanu, ***Gabriel Gârleanu***, Cornelia Luchian, *Tehnologii de sudare prin presiune – Indrumar de laborator şi tema de casă*, Editura PRINTECH, ISBN 978-606-521-106-3, 175 pag recunoscută CNCSIS cod 54, Bucureşti 2010

I11 – Florea Dumitrache, Cornelia Luchian, Delia Gârleanu, Dumitru Cicic, ***Gabriel Gârleanu,*** Corneliu Rontescu, Andrei Dimitrescu, Vlad Păun, Georgiana Dumitrescu *Tehnologia şi Prelucrarea Materialelor - Îndrumar de laborator,* Editura PRINTECH, ISBN 978-606- 521-207- 7, 263 pag. recunoscută CNCSIS cod 54, Bucureşti 2009

I12 – Gheorghe Amza, Constantin Radu, Zoia Apostolescu, Cătălin Gheorghe Amza, Alexandru Dumitrache-Rujinski, ***Gabriel Gârleanu***, Delia Gârleanu, *Procese de operare vol IV – Elemente de proiectare* Editura PRINTECH, ISBN 978-606-521-317-3, 750 pag. recunoscută CNCSIS cod 54, Bucureşti 2009

I13 – Florea Dumitrache, Delia Gârleanu, ***Gabriel Gârleanu***, Cornelia Luchian, *Tehnologii de sudare prin presiune – Îndrumar de laborator*, ISBN 978-606-521-219-4, Editura PRINTECH, 174 pag. recunoscută CNCSIS cod 54, Bucureşti 2008

I14 – Gheorghe Amza, ***Gabriel Gârleanu***, Borda Clauidia, Marinescu Marinela, Mincă Angela, Butu Larisa, Radu Constantin, Alexandru Dumitrache Rujinscki, *Tehnologia Materialelor - Îndrumar de laborator*, Ed. PRINTECH, recunoscută CNCSIS cod 54, ISBN 978 – 973 – 718 – 647 – 8 , 347 pag, Cod CNCSIS: 96 , Bucureşti 2007

I15 – Florea Dumitrache, Cornelia Luchian, Delia Gârleanu, Dumitru Cicic, ***Gabriel Gârleanu,*** Corneliu Rontescu, Andrei Dimitrescu, Victor Popovici, Vlad Păun, Georgiana Dumitrescu, *Tehnologia şi Prelucrarea Materialelor - Îndrumar de laborator*, Ed. PRINTECH, ISBN 978- 973- 718-647- 8, 181 pag. recunoscută CNCSIS cod 54, Bucureşti 2007

I16 – Gheorghe Amza, ***Gabriel Gârleanu***, Borda Claudia, Marinescu Marinela, Mincă Angela, Butu Larisa, Radu Constantin, Alexandru Dumitrache Rujinscki, Tehnologia Materialelor, - *Incercări pentru determinarea proprietăţilor materialelor şi procedee de prelucrare a materialelor, **Vol V*** Ed.BREN, ISBN 973 – 648 – 428 – 9, 430 pag, Cod CNCSIS: 96 , Bucureşti 2005

I17 – Florea Dumitrache**, *Gabriel Gârleanu***, Cornelia Luchian, Cătălin Gheorghe Amza, Daniel Traian Grecu, Delia Gârleanu, Constantin Dumitraşcu, *Tehnologii de sudare prin presiune – Indrumar de laborator şi temă de casă*, Editura BREN, ISBN 973-648-333-9, 155 pag. recunoscută CNCSIS cod 96, Bucureşti 2004

I18 – Gheorghe Amza, ***Gabriel Gârleanu*****,** Borda Claudia, Marinescu Marinela, Mincă Angela, Butu Larisa, Radu Constantin Tehnologia Materialelor - *Incercări pentru determinarea proprietăţilor materialelor şi procedee de prelucrare a materialelor, **Vol IV***, Ed. BREN, ISBN 973 – 648 – 190 – 5, 350 pag, Cod CNCSIS: 96, Bucureşti. 2003

I19 – Constantin Ioan Ionescu, ***Gabriel Gârleanu***, Dumitras Marius, Arsene Delicia, *Tehnologia Materialelor - Teste, Intrebări, Aplicaţii,* Ed.Bren, ISBN 973 – 648 – 038 – 0 , 198, Cod CNCSIS: 96, Bucuresti 2002

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

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

Ris - Reviste de specialitate de circulaţie internaţională recunoscute (cotate / indexate ISI Thomson Reuters, sau indexate in alte Baze de Date Internationale - BDI specifice 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 -Delia Gârleanu 1 , Claudia Borda 1,***Gabriel Gârleanu 1,**** , Cristina Modrogan 2 , Marius Dumitras, 1 , Dan Dobrotă 3,* , Sever-Gabriel Racz 3 and Loredana Cristina Dascălu 1,Gabriel Gârleanu* - autor corespondent, *Increasing the Durability of Trimming Dies Used to Clean Anodes in the Aluminum Industry, Metals* 2021, *11*(8), 1157; (16 pagini),Received: 13 June 2021(Q1) / Revised: 14 July 2021 / Accepted: 19 July 2021 / Published: 22 July 2021 (Q2), eISSN 2075-4701, Current Impact Factor: 2.487,Accession Number: **WOS:000690499400001**, Zonă galbenă
https://0d10tzcu3-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000690499400001

Ris2 - Orbulet, Oanamari Daniela ; Borda Claudia ; Garleanu, Delia; Garleanu, Gabriel; Stancu, Alexandra; Modrogan, Cristina, *Fe3O4 Particles Functionalized With Edta And Pva - Preparation, Characterization And Their Use In Removal Of Manganese Ions From Synthetic Aqueous Solutions*, University Politehnica Of Bucharest Scientific Bulletin Series B-Chemistry And Materials Science, Volume83, Issue3 Page101-116,Published 2021, ISSN 1454-2331, IF 0,494, Accession Number:**WOS:000692192600009**
https://0d10txpaf-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000692192600009

Ris3 - Modrogan 1, Andreea Mădălina Pandele 1, Constantin Bobirică 1,*, Dan Dobrotă 2,*, Annette Madelene Dăncilă 1, ***Gabriel Gârleanu* 3**, Oanamari Daniela Orbuleț 1, Claudia Borda 3, Delia Gârleanu 3 and Cristina Orbeci 1Synthesis, Characterization and Sorption Capacity Examination for a Novel Hydrogel Composite Based on Gellan Gum and Graphene Oxide (GG/GO), Polymers 2020, 12, 1182; doi:10.3390/polym12051182, *Polymers* 2020, *12*(5), (20 pagini)1182; https://doi.org/10.3390/polym12051182 (registering DOI)Received: 13 May 2020 / Revised: 18 May 2020 / Accepted: 19 May 2020 / Published: 21 May 2020.*Polymers* (ISSN: 2073-4360), JCR category rank: 17/87 (Q1) in 'Polymer Science', Current Impact Factor: 3.164Accession Number: **WOS:000541431100187**, Zonă roşie
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000541431100187

Ris4 - Annette Madelene Dăncilă 1, Simona Căprărescu 1, Constantin Bobirică 1, Violeta Purcar 2, ***Gabriel Gârleanu*** 3, Eugeniu Vasile 4, Cristina Modrogan 1,*Claudia Borda 3 and Dan Dobrotă 5,*,, *Optimization of the Technological Parameters for Obtaining Zn-Ti Based Composites to Increase the Performance of H2S Removal from Syngas* ,,Received: 7 April 2020 / Revised: 6 May 2020 / Accepted: 7 May 2020 / Published: 10 May 2020, *Processes* 2020, *8*(5), 562;https://doi.org/10.3390/pr8050562 (registering DOI), ;(14 pag), JCR category rank: 69/138 (Q2) in 'Engineering, Chemical', Current Impact Factor: 2.753, Accession Number: **WOS:000541752600004**, Zonă galbenă
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000541752600004

Ris5 - Delia Gârleanu, ***Gabriel Gârleanu****, Gabriel Gârleanu* - autor corespondent,,*Effect of Chemical Composition on Hard Deposits Properties in the Case of Weld Refurbishment of Heavy Crushing Hammers''*, Volume 70, Issue:2, Pages 417-424, Published: Feb 2019, Revista Chimie , Bucharest, ISSN-0034-7752, IF: 1.755,
WOS: 000461982200012.
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000461982200012

Ris6 Gabriel Gârleanu, Delia Gârleanu,*, Marinela Marinescu, Larisa Butu – " ***The Technology for reconditioning an LBC cylindrical support spindle***" , Journal of Research and Innovation for Sustainable Society (JRISS) Volume 7, Issue 1, 2025, ISSN: 2668-0416, Indexat; academic Resource Index ResearchBib, Academic-Accelerator, Google Academic, IndexCopernicus, DOAJ, EBSCO, Road, Crossref, Scipio, DOI: 10.33727/JRISS.2025.1.12:132-137
https://jriss.4ader.ro/current-issue/

Ris7 Gabriel Gârleanu, Delia Gârleanu,*, Marinela Marinescu, Larisa Butu, Claudia Borda – "***Welding consideration for duplex steel sluice gates in water pipelines***" - Journal of Research and Innovation for Sustainable Society (JRISS) Volume 7, Issue 1, 2025, ISSN: 2668-0416, , Indexat; academic Resource Index ResearchBib, Academic-Accelerator, Google Academic, IndexCopernicus, DOAJ, EBSCO, Road, Crossref, Scipio
DOI: 10.33727/JRISS.2025.1.9:110-119
https://jriss.4ader.ro/current-issue/

Ris8 Gabriel Gârleanu, Delia Gârleanu,*, Claudia Borda, Cornelia Luchian – "***Welding technologies for aluminium alloy naval parts – propeller shaft guide bushing made of AlMg5***" - Journal of Research and Innovation for Sustainable Society (JRISS) Volume 7, Issue 1, 2025, ISSN: 2668-0416, , Indexat; academic Resource Index ResearchBib, Academic-Accelerator, Google Academic, IndexCopernicus, DOAJ, EBSCO, Road, Crossref, Scipio
DOI: 10.33727/JRISS.2025.1.2:22-30
https://jriss.4ader.ro/current-issue/

Ris9 – *Gabriel Gârleanu*, Delia Gârleanu, Claudia Borda, *,,Reconditioning of the Railways through Welding",* International Journal of Scientific & Engineering Research, Volume 8, Issue 2, February-2017**,** ISSN 2229-5518

IF= ICV SCORE = 7,5 - COPERNICUS**,**DOI:10.14299/ijser.2017.02,Indexat: EBSCO, DOAJ, Copernicus, CrossRef, CiteseerX, ISSN 2229-5518;
https://www.ijser.org/researchpaper/Reconditioning-of-the-Railways-through-Welding.pdf

Ris10 – Delia Gârleanu, ***Gabriel Gârleanu***, Claudia Borda, Delicia Arsene ,,*The New Repair Technology the Spiral Heat Exchangers*'' International Journal of Scientific & Engineering Research (IJSER), VOLUME 7, ISSUE 10, OCTOBER-2016 1, PAG.373-378, IF= ICV SCORE = 7,5 - COPERNICUS ,DOI:10.14299/ijser.2016.10.010,ISSN 2229-5518, Indexat: EBSCO, DOAJ, Index Copernicus, CrossRef, CiteseerX, ISSN 2229-5518
https://www.ijser.org/researchpaper/The-new-repair-technology-the-spiral-heat-exchangers.pdf

Ris11 – Cornelia Luchian, Delia Gârleanu, ***Gabriel Gârleanu***, Florea Dumitrache ,,*Experimental research on ultrasonic welding of material combinations copper-copper''*, Jurnal Fiability and Durability **,** *pag. 75-81*, Indexat: Copernicus, DOAJ, EBSCO, UlrichsWeb. No1/2012, ISSN 1844-640X

https://core.ac.uk/download/pdf/25946878.pdf

Ris12 – Cornelia Luchian, Delia Gârleanu, ***Gabriel Gârleanu***, Florea Dumitrache ,,*Experimental research on ultrasonic welding''* Volume 1, Number 9, 2012, pp. 75-81(7), Jurnal Fiability and Durability Index Copernicus, DOAJ, EBSCO, UlrichsWeb, No 9/2012, ISSN 1844-640X
www.journaldatabase.info/journal/*issn1844-640X*

Ris13 – Cornelia Luchian, Delia Gârleanu**, *Gabriel Gârleanu***, Florea Dumitrache ,,*Researches for the optimization of the ultrasound welding parameters of eletric contacts"*-SISOM 2011 and Session of the Commission of Acoustic, Bucharest 25-26 Mai, Index DOAJ, EBSCO, pag. 411-416, ISSN 1843-5459
www.imsar.ro/lista_publicatii_2011.pdf

Ris14 – Delia Gârleanu**, *Gabriel Gârleanu***, Delicia ARSENE, Cornelia Luchian ,,*Butt welding into joint narrow bar steel MAG-process''*-SISOM 2011 and Session of the Commission of Acoustic, Bucharest 25-26 Mai, Index DOAJ, EBSCO pag. 431-436, ISSN 1843-5459
www.imsar.ro/lista_publicatii_2011.pdf

Ris15 - Delicia Arsene, George Arsene, Claudia Borda, Marinela Marinescu, Larisa Buţu, Delia Gârleanu, ***Gabriel Gârleanu*** ,, *The used algorithms description in developing computer programs of certain morphological estimators of the non- euclidian **forms''*** Jurnal Fiability and Durability ,Index DOAJ, EBSCO , pag. 111—116, 20-21 July 2011Târgu-Jiu, ISBN9 78-973-144-454-3
www.journaldatabase.info/journal/*issn1844-640X*

Ris16 - Delicia ARSENE, Claudia Borda, Marinela Marinescu, Larisa BUŢU, Delia Gârleanu, ***Gabriel Gârleanu***, George Arsene ,, *Mass acquisition filters for the noise obliteration''* **,**Jurnal Fiability and Durability, Index Copernicus, DOAJ, EBSCO, Ulrichsweb, pag. 105—110, 20-21 Mai 2011 Târgu-Jiu, ISBN 978-973-144-454-3
www.utgjiu.ro/rev_mec/?s=mecanica

Ris17 – *Gabriel Gârleanu*, Delia Gârleanu, Cornelia Luchian, *„Rebuilding Routes of RollingUsing a Specialized Installation by Build-up of Welding"* - Bulletin – Petroleum - Gas University of Ploiesti Bulletin, Technical Series, 2010,Vol. 62 Issue 2, p221-226. 6p. 4 Color Photographs, 2 Diagrams, cod 102 , Indexata: Copernicus, EBSCO, Ulrichsweb, DOAJ, ISSN :1224-8495
www.search.ebscohost.com/login.aspx?direct=true&profile=ehost...site

Ris18 - ***Gabriel Garleanu***, Victor Popovici, Delia Gârleanu, Cornelia Luchian – ,,*Modelarea prin metoda elementului finit a campului termic la sudarea WIG"* Cotare CNCSIS tip B+ , Jurnal Fiability and Durability, 2010; Suplement no 1/2010 pp(4), editura Academica Brancusi, Targu Jiu, Indexată: Copernicus, DOAJ, EBSCO, Ulrichsweb, ISSN 1844-640X
www.utgjiu.ro/rev_mec/?s=mecanica
www.journals.indexcopernicus.com/issue.php?id=9176&id

Ris19 - Gheorghe Amza, Anton Hadăr, Zoia Apostolescu, ***Gabriel Gârleanu***, L.E. Anton (2007) - *Contribuţii teoretice şi experimentale privind influenţa parametrilor acustici în procesul de sudare cu ultrasunete a materialelor compozite inteligente*, Revista Materiale Plastice, MPLAAM 44, nr. 1, 2007, pp. 60-65, ISSN 0025/5289. IF = 0,96. Accession Number: **WOS:000246485400014**
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000246485400014

Ris20 – *G. Gârleanu*, Delia Gârleanu, Ghe. Calea, N. Avram - " *Booth for the welding stresses from the welded joints using ultrasonic actuators*" - Revista Metalurgia Internaţional, Ed ştiinţifică FMR, 12(3) / 2007, p. 20 – 23, Web of Science Categories: Metallurgy & Metallurgical Engineering, ISSN 1582 – 2214, IF = 0.134,**WOS:000255786000002**
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000255786000002

Ris21 – *Gabriel Gârleanu*, Delia Gârleanu, Gheorghe Calea, N. Avram - " *Automate installation for rails by build-up welding*" - Revista Metalurgia Internaţional, Ed ştiinţifică FMR, Nr. 1 / 2007 , factor de impact =0.17, p. 5 – 7,Metallurgy & Metallurgical Engineering, ISSN 0461 – 9579, IF = 0.134, **WOS:000255293800001**

Rio – Alte reviste de specialitate de circulaţie internaţională.
Rns - Reviste de specialitate de circulaţie naţională recunoscute de CNCSIS. Se mentioneaza Categoria CNCSIS.
Rno - Alte reviste de specialitate de circulaţie naţională.

Rno1 – Drd. ing. Florina Ionescu, Gheorghe Solomon, Delia Gârleanu, ***Gabriel Gârleanu***, ,,*Optimizarea tehnologiilor de sudare la îmbinări cu accesibilitate redusă''* Revista Sudura 2016, 15.04.2016, Pitesti, Romania, ISSN1843-4738

Rno2 – *Gabriel Gârleanu*, Delia Gârleanu, Cornelia Luchian *,,Recondiţionarea căilor de rulare utilizând o instalaţie de încărcare prin sudare"*,, Revista Sudura 2010" Tehnologii de sudare şi recondiţionare prin sudare 21-23 aprilie 2010 Ploieşti, pag. 272-278, ISSN 1843-4738

Vis- Volumele unor manifestări ştiinţifice internaţionale recunoscute, organizate in ţară şi străinătate, indexate ISI Thomson Reuters sau indexate in alte Baze de Date Internationale - BDI specifice domeniului, care fac un proces de selectie a publicatiilor pe baza unor criterii de performanta. *Se mentioneaza la fiecare lucrare includerea in Baza ISI [ISI Proceedings, Accession Number, WOS=....., ISSN] si/sau denumirea altei (altor) BDI.*

Vis1 – I C Scurtu1 , D Gârleanu2 , ***G Gârleanu2***, D Gârleanu* - autor corespondent ,,*Motion and Dynamic Responses Approach for WindFloat Structures under Marine Loads''*, Technium Vol. 22, pp.1-13 (2024) ISSN: 2668-778X www.techniumscience.comVol. 22 (2024): Multidisciplinary research approach in advancement of Applied Sciences and Technology Published: 2024-04-20
https://www.researchgate.net/publication/328222267_Motion_and_Dynamic_Responses_Approach_for_WindFloat_Structures_under_Marine_Loads

Vis2 – Loredana C. Dumitriu, Marian Cosac, Delia Gârleanu, ***Gabriel Gârleanu***, Iuliana Grecu and Gheorghe Solomon, *Implementationof the Android Source Code For 'Holmes and Rahe Stress Scale Questionnaire – To Identify the Stress Factors***,** 39th IBIMA Conference: 30-31 May 2022, Granada, Spain,ISBN: 978-0-9998551-8-8, ISSN: 2767-9640
https://ibima.org/accepted-paper/implementation-of-the-android-source-code-forholmes-and-rahe-stress-scale-questionnaire-to-identify-the-stress-factors
https://www.youtube.com/watch?v=t_Ttrq6f8Aw

Vis3 – Claudia Borda, Marinela Marinescu, **Gabriel Gârleanu**, Larisa Butu, Delia Gârleanu, Delicia Arsene, Cristina Modrogan, Mihai Arsene **,,***Measurement and Reduction of Underwater Noise from Anthropic Activities"* Electronic Book titles in this series,11 August 2022, ISSN1867-4941,Print ISSN 0930-8989, pp146-158,Part of the Springer Proceedings in Physics book series (SPPHY,volume 274)
https://link.springer.com/chapter/10.1007/978-3-030-96787-1_17

Vis4 – Florina Ionescu1, Gheorghe Solomon2, Delia Gârleanu3, ***Gabriel Gârleanu*** 4 and Ion Mihai Vasile5 ,,*Efects of welding methods on the structural properties of austenitic stainless steel - X2CrNiMo 17-12-2 Pipes repaired by welding''* U.P.B. Sci. Bull., Series D, Vol. 83, Iss. 2, 2021 ISSN 1454-2358
https://www.scientificbulletin.upb.ro/rev_docs_arhiva/reze03_363422.pdf

Vis5 – ***Gabriel Gârleanu***, Delia Garleanu*, Borda Claudia, Cornelia Luchian & Marius Dumitras - *Doubling the power of a wood boiler with fixed grill*, Author corespondent e-mails:delia.garleanu@upb.ro,ModTech International Conference *Modern Technologies in Industrial Engineering June 23rd-27th, Online edition*,2 ModTech, IOP Conference Series: Materials Science and Engineering, IOP Conference Series: Materials Science and Engineering**,** Volume 916**,** ModTech International Conference - Modern Technologies in Industrial Engineering VIII 24-27 June 2020, Constanta, Romania, ISSN 1757-898, Indexata in Web of Science ,Accession Number:**WOS:000625330000039**
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000625330000039

Vis6 – Florina Ionescu, F., Solomon, G., Voiculescu, I., ***Gârleanu, G***., Gârleanu, D. *Experimental study towards WIG welded joint. Case study: Repair by welding of X2CrNiMo17-12-2 pipes*, IOP Conference Series: Materials Science and EngineeringVolume 1018, Issue 1, 19 January 2021, Article number 01201811th International Conference on Advanced Manufacturing Technologies, ICAMaT 2020; Bucharest; Romania; 29 October 2020 through 30 October 2020; Code 166743DOI**:** 10.1088/1757-899X/1018/1/01201
https://iopscience.iop.org/article/10.1088/1757-899X/1018/1/012018/pdf
https://www.researchgate.net/publication

Vis7 – Florina Ionescu, Gheorghe Solomon, ***Gabriel Gârleanu***, Delia Gârleanu & Maria-Cristina Dijmărescu, *Reconditioning by welding of the spiral heat exchagers made of austenitic stainless steel - X2CrNiMo17-12-2* , ModTech International Conference *Modern Technologies in Industrial Engineering June 23rd-27th, Online edition*,2 ModTech, IOP Conference Series: Materials Science and Engineering, IOP Conference Series: Materials Science and Engineering, Volume 916, ModTech International Conference - Modern Technologies in Industrial Engineering VIII 24-27 June 2020, Constanta, Romania, Indexata in Web of Science, ISSN1757-8981, Accession Number: **WOS:000625330000049**
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000625330000049

Vis8 – D Garleanu, C Borda, ***G Garleanu***, D Arsene and L Cornelia ,,*Laparoscopic welding''*, IOP Publishing, IOP Conf. Series: Materials Science and Engineering 400 **(2018)**,022026 doi:10.1088/1757-899X/400/2/022026,(8 pag.), Volume 400, 2018, ModTech International Conference - Modern Technologies in Industrial Engineering VI (ModTech2018),13–16 June 2018, Constanta, Romania, ISSN:1757-8981, Accession Number: **WOS:000461147400026**
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000461147400026

Vis9 – *D Gârleanu*, ***G Gârleanu***, C Borda, C Pupăză and V Popovici,,*Innovative solution for repairing and increasing the operational safety of rotary drum mill spindles''*, ModTech 2018 IOP Publishing IOP Conf. Series: Materials Science and Engineering 400 (2018) 042023 doi:10.1088/1757-899X/400/4/042023 ,(8 pag.), Volume 400, 2018, ModTech International Conference - Modern Technologies in Industrial Engineering VI (ModTech2018),13–16 June 2018, Constanta, Romania, ISSN:1757-8981, Accession Number: **WOS:00461147400095**
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000461147400095

Vis10 – ***G Garleanu***, D Gârleanu, C Borda, V Popovici and A T Gheorghian, ,,*Increasing the endurance of railways''*, ModTech 2018 IOP Publishing IOP Conf. Series: Materials Science and Engineering 400 (2018),062010doi:10.1088/1757-899X/400/6/062010, (9 pag.), ISSN:1757-8981Volume 400, 2018, ModTech International Conference - Modern Technologies in Industrial Engineering VI (ModTech2018),13–16 June 2018, Constanta, Romania, ISSN:1757-8981,Accession Number**: WOS:000461147400152**
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000461147400152

Vis11 – Delia Gârleanu, Claudia Borda, ***Gabriel Gârleanu*** and Victor Popovici ,,*Model Residual Stress by Finite Element Method*" Issue ITM Web Conf., Vol 16 (2018) Number of page (5) 03002 , AMCSE 2017 Grecia- International

Conference on Applied Mathematics, Computational Science and Systems Engineering Indexat: Copernicus, DOAJ, EBSCO, PROQuest,Scopus DOI: https://doi.org/10.1051/itmconf/20181603002, eISSN: 2271-2097
https://www.iaras.org/home/caijmcm/model-residual-stress-by-finite-element-method

Vis12 – Delia Gârleanu, Delicia Arsene, ***Gabriel Gârleanu*** and Claudia Borda „*Technological Forms Develope in Different Morphological Fields*" Issue ITM Web Conf. Vol 16 (2018) 02005 First page:02005 Number of page(4) , Section computers,Published online: 09 January 2018, AMCSE 2017, Grecia - International Conference on Applied Mathematics, Computational Science and Systems Engineering, Indexat: Copernicus, DOAJ, EBSCO, PROQuest,Scopus.DOI: https://doi.org/10.1051/itmconf/20181602005, eISSN: 2271-2097
https://www.iaras.org/iaras/filedownloads/ijcces/2017/016-0010(2017).pdf

Vis13 – Petriceanu Constantin, Rontescu Corneliu, ***Gârleanu Gabriel,*** *„The Ultrasonic Testing Methods for Special Braze Cladding*", 8th International Conference on Advanced Manufacturing Technologies - ICAMaT, 29- 30 october 2015, Bucharest, Applied Mechanics & Materials . 2016, Vol. 834, p141-146. 6p, ISSN: 1662-7482, doi:10.4028/www.scientific.net/AMM.834.141, INDEXATĂ: GOOGLE SCHOLAR, scientific.net
https://www.researchgate.net/publication/299429301_The_Ultrasonic_Testing_Methods_for_Special_Braze_Cladding

Vis14 – ***G. Gârleanu***, V. Popovici, Delia Gârleanu, C. Luchian, "*Modeling by Finite Element Method of Thermal Field when Coating with Stellite Welding of Valvetype Parts*", Applied Mechanics and Materials, Vol. 371, pp. 260-264, 2013, Journal /Series: Applied Mechanics and Materials, IF: 0.38, DOI: 10.4028/www.scientific.net/AMM.371.260, Published, August 2013, ISSN: 1662-7482,Accession Number: **WOS:000334556900051**
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000334556900051

Vis15 – Delia Gârleanu, Claudia Borda, Mihaiela Iliescu, Delicia Arsene, ***Gabriel Gârleanu***, *"A Linear Ultrasonic Motor for Positioning Stages"* Proceedings of the 4th WSEAS Internaţional Conference on Computational Intelligence Universitatea Politehnica, Indexat: EBSCO,Ulrichsweb,SCIRUS, Scopus, pag.91-94, Bucharest, 20-22 April, 2010, ISSN 1790- 5117, ISBN: 978-960-474-179-3
http://www.wseas.us/e-library/conferences/2010/Bucharest/CI/CI-16.pdf

Vis16 – Victor Popovici, Delia Gârleanu, ***Gabriel Gârleanu***, Mihaiela Iliescu, *„Tensometric captor to determine the residual stress and calibration of the finite element method"* – Proceedings of the 3rd WSEAS Internaţional Conference on Finite Differences – Finite Elements – Finite Volumes- Boundary Elements (F-and-B'10) – Universitatea Politehnica, Indexat:EBSCO,Ulrichsweb,SCIRUS, Scopus,pag.78-81, Bucharest, 20-22April,2010**,** ISSN 1790- 2769, ISBN: 978-960-474-180-9
http://www.wseas.org/multimedia/books/2010/Bucharest/FB.pdf

Vis17 – ***Gabriel Gârleanu***, Popovici, Delia Gârleanu, Delicia Arsene, *„Modelyng by finite element method ''Blind Hole Drilling'' method"* – Proceedings of the 3rd WSEAS Internaţional Conference on Finite Differences – Finite Elements – Finite Volumes- Boundary Elements (F-and-B'10) – Universitatea Politehnica, Indexat: EBSCO,Ulrichsweb,SCIRUS, Scopus,pag 82-85, Bucharest, 20-22 April, 2010, ISSN 1790- 2769, ISBN: 978-960-474-180-9
http://www.wseas.org/multimedia/books/2010/Bucharest/FB.pdf

Vis18 – Delia Gârleanu, Victor Popovici, ***Gabriel Gârleanu***, Mihnea Costoiu, *„Finite element analaysis used for determination the endurance of surface"* - Proceedings of the 1 st WSEAS Internaţional Conference on visualization, imaging and SIMULATION – ISSN 1790-2769, pag. 151-154, Bucharest, România, 7- 9 nov. 2008, ISBN 978-960-474-022-2 Accession Number: **WOS:000264044900026**
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000264044900026

Vis19 – Victor Popovici, Delia Gârleanu, ***Gabriel Gârleanu***, Mihnea Costoiu, „*Finite element modeling and experimental research regarding endurance of hard materials"* – Proceedings of the 1 st WSEAS Internaţional Conference on visualization, imaging and SIMULATION (VIS' 08)– ISSN: 1790-2769, pag.155-160, Bucharest7-9 nov. 2008, ISBN: 978-960-474-022-2, Accession Number:**WOS:000264044900027**
https://0d10tzd2m-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000264044900027

Vi - Volumele unor manifestări ştiinţifice internaţionale recunoscute, organizate in ţară şi străinătate;
Vn - Volumele unor manifestări ştiinţifice naţionale.

Vi1 – Cornelia Luchian, Delia Gârleanu, ***Gabriel Gârleanu*** *„Experimental research on ultrasonic welding of material combination different non-ferrous metals in the electrotechnic industry"*- of the 12th International Conference on Technology and Quality for Sustained Development 5-6 November 2012, Bucharest, Romania, pag. 59-63, ISSN 1844-9158

Vi2 - Florea Dumitrache, Cornelia Luchian, ***Gabriel Gârleanu***, Cristina Paun, Vlad-Ionut Paun**,** *„Contributions Regarding Ultrasonic Contact Welding Of Copper Sheets"* International Conference on Technology and Quality for Sustained Development TQSD 2006, 25-27 mai 2006, pag.367-370, ISBN 973-720-035-7

Vi3 – ***Gabriel Gârleanu***, Delia Gârleanu, Gheorghiţă Măzăreanu, Cornelia Luchian, Corneliu Rontescu" *Reconditioning automate installation for worn out rails by build-up welding*, International Conference on Technology and Quality for Sustained Development TQSD 2006 ,25-27 mai 2006, pag. 203-206, ISBN 973-720-035-7

Vi4 – Cornelia Luchian, Gheorghe Amza, ***Gabriel Gârleanu***, Delia Gârleanu, Florea Dumitrache: *"Researches concerning the design of acoustic ultrasonic bell shaped concentrator used for the ultrasound welding of mixed materials"* ICMAT 2007, 12 – 14 iuly 2007 Sibiu, pag 483 – 486 ISSN 1843 – 3162

Vi6 – Florea Dumitrache, Cornelia Luchian, ***Gabriel Gârleanu***, Delia Gârleanu,,*Research regarding the aplication of the ultrasound welding in the electrotechnic industry"*- of the 8th International Conference on Technology and Quality for Sustained Development October 30-31, 2008, Bucharest, Romania, pag. 369-374, ISSN 1844-9158

Vi7 – *Gabriel Gârleanu*, Gheorghe Amza, Cornelia Luchian, Delia Gârleanu, Cătălin Gheorghe Amza:*'' Some considerations about the technology of assembling by welding of a piece of shoe type made of stainless stell 304"* The 5TH International Conference on advancend manufacturing technologies, ICMAT 2007, 12 – 14 iuly 2007 Sibiu, pag 407 – 410, ISSN 1843 – 3162

Vi8 – Gheorghe Amza, Cornelia Luchian, ***Gabriel Gârleanu***, Delia Gârleanu, Florea Dumitrache: *"Researches concerning the design of acoustic ultrasonic prism shaped concentrator used for the ultrasound welding of mixed materials"* ICMAT 2007, 12 – 14 iuly 2007 Sibiu, pag 477 – 482, ISSN 1843 – 3162

Vi9 – *Gabriel Gârleanu*, Victor Popovici, Delia Gârleanu, Cornelia Luchian *„Determining the endurance of surface subject to strain by abrasion through finite element analysis"* - of the 8th International Conference on Technology and Quality for Sustained Development October 30-31, 2008, Bucharest, Romania, ISSN 1844-9158, pag. 41-46, ISSN 1844-9158

Vi10-Gh. Amza, Niţoi Dan, Cătălin Amza, ***Gabriel Gârleanu***, *"Contribuţii privind analiza cu element finit a elementelor active piezoceramice folosite în construcţia motoarelor ultrasonice***"** Conferinţa ştiinţifică internaţională TEHNOMUS, 6 – 7 mai 2005

Vi11 – Delia Gârleanu, Victor Popovici, ***Gabriel Gârleanu***, Cornelia Luchian *„Experimental research and finite element modeling regarding endurance setting of certain hard materials used in the refurbishing process"* -of the 8th International Conference on Technology and Quality for Sustained Development October 30-31, 2008, Bucharest, Romania, ISSN 1844-9158, pag. 189-194

V12 - Cornelia Luchian, Gheorghe Amza, **Gabriel Gârleanu**, Delia Gârleanu, Florea Dumitrache,*"Researches concerning the design of acoustic ultrasonic bell shaped concentrator used for the ultrasound welding of mixed materials"* ICMAT 2007, 12 – 14 iuly 2007 Sibiu, pag 483 – 486, ISSN 1843 – 3162

V13 - Florea Dumitrache, Cornelia Luchian, **Gabriel Gârleanu**, Cristina Paun, Vlad-Ionut Paun, *„Contributions Regarding Ultrasonic Contact Welding Of Copper Sheets"* International Conference on Technology and Quality for Sustained Development TQSD 2006, 25-27 mai 2006, pag.367-370, ISBN 973-720-035-7

Vi14 - Gh. Amza, Niţoi Dan, Cătălin Amza, ***Gabriel Gârleanu***, *"Contribuţii privind proiectarea şi realizare unui motor ultrasonic liniar cu un grad de libertate*" Conferinţa ştiinţifică internaţională TEHNOMUS, 6 – 7 mai 2005

Vi15 –Victor Popovici, Gheorghe. Amza, ***Gârleanu Gabriel,*** Delia Gârleanu *"Booth for welding stresses from the welded joints using ultrasonic actuators''* Conferinţa internaţională de tehnologii avansate, the 4 international conference on advanced manufacturing technologies ICAMat, 3-4 nov 2005, pag. 465 – 468. ISBN 973-27-1254-6

Vi16 - Gheorghe Calea, Delicia Arsene, ***Gabriel Gârleanu***, Ghe. Marina, *"Aplicatii fractale in masurarea unor forme tehnologice"* Constructia de masini, nr.1, 1998

Vi17 - Gheorghe Calea, V. Popovici, Gheorghe Marina, ***Gârleanu Gabriel***, Arsene Delicia, *"Analiza fractala a suprafetelor de rupere*" International Conference on Manufacturing Systems, 14 – 15 Oct. 1998

Vi18 - Gheorghe Marina, ***Gabriel Gârleanu***, Arsene Delicia, *"Reconditionarea prin topire in baie de zgura ",* Conferinta de sudura Internationala de la Timisoara 19 – 21 nov. 1997

Vi19 - Gheorghe Marina, ***Gabriel Gârleanu***, Arsene Delicia, *"Proiectarea unui arzator PL – MIG pentru alierea cu pulbere si sirma electrod"* Constructia de masini, nr.2, 1998

Vi20-Gheorghe Calea, Gheorghe Marina, ***Gabriel Gârleanu***, Arsene Delicia, L. Danila, *" Teoria percolatiilor in fenomenele de tranzitie de faza* " Constructia de masini, nr.2, 1998

Vi21-Gheorghe Calea, Gheorghe Marina, ***Gabriel Gârleanu***, Arsene Delicia, L. Danila*." Haosul – o posibila matrice evolutionista* ", Constructia de masini, nr.1, 1998

V. BREVETE DE INVENŢIE / INOVAŢII (B,A) B1 -

Brevete de invenţie.

B1 - *Gabriel Gârleanu* , Gh. Mazareanu, Dedu Ion: **"***Dispozitiv de sudare a cailor de rulare*" - *Brevet de Inventie nr. 25814 / 2001*

B2. *Gabriel Gârleanu*, Corneliu Rontescu, Dunitru-Titi Cicic, *Delia Gârleanu*: *'' Metodă si dispozitiv de sudare orbitală''* – Brevet de Invenţie nr. 125968 din 29.02.2014 Orbital welding device, comprises horizontal plate, pipe, welding pistol and bearing ,Patent Number: RO125968-A0 RO125968-B1 ,Patent Assignee: Gârleanu G; Rontescu C; Cicic D T; Gârleanu D ,Inventor(s): ***Gârleanu G***; Rontescu C; Cicic D T; Gârleanu D
International Patent Classification: B23K-037/02; B23K-009/028
Derwent Class Code(s): M23 (Soldering; welding - including brazing, flame cutting and scarfing, cutting and welding rods, soldering and unsoldering apparatus and solder compositions (B23K).); P55 (Soldering, welding metal (B23K).)

A - Inovaţii şi alte creaţii.

VI. CONTRACTE ŞI RAPOARTE ŞTIINŢIFICE (P,F)

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

Pn1- Titlul proiectului de cercetare: *„Masă de instruire operator sudor cu funcţii de vizualizare, monitorizare şi înregistrare în timp real a operatiilor de sudare”.*, Contract nr. UNSTB 5261/27.02.2025 Universitatea Naţională de Ştiinţă şi Tehnologie Politehnica Bucureşti**, SC CERT SUD SRL,** Bucuresti 2025 - **director de proiect,** Valoarea contractului: 32.130 RON

Pn2 - Titlul proiectului de cercetare: *„Reconditionarea prin incarcare prin sudare a arborilor melcati utilizati la fabricarea maselor plastice”.*, Contract nr. UNSTB 2803/05.02.2025 Universitatea Naţională de Ştiinţă şi Tehnologie Politehnica Bucureşti, **SC WELD PROFESIONAL SRL**, Bucuresti 2025, - **director de proiect,** Valoarea contractului: 30.940 RON

Pn3 - Contract nr. 53 / 14.11.2003 –*‘‘Cercetări teoretice şi experimentale privind finalizarea elementelor de alimentarecu apă ale reactorului MR 101B de la secţia ACN2 a combinatului S.N.P. ARPECHIM S.A. PITESTI’’*2003-2004 - **responsabil proiect**

Pn4 – Contract de colaborare nr. 8 / 29.01.2003 – *‘‘Cercetări priviind tehnologii avansate de recondiţionare a bacurilor de defontare’’,* Valoare 28.000 –2003-2004 - r**esponsabil proiect**

Pn5 – Contract Nr. 9/ 27.10.2006 "Analiza prin metode nedistructive a conductelor, vaselor si tevilor, precizarea starii de uzura si instructiuni de lucru cu privire la remedierea neconformitatilor constatate". S.C. ALUM S.A. Tulcea, S.C. ALUM S.A. 30.000 euro - **responsabil proiect**

Pn6 – POSDRU/86/1.2/S/61690 - Educație si formare profesionala in sprijinul creșterii calității învățământului prin inițierea unor noi programe de licență si masterat in domeniul sănătate si securitate in munca ETS 2010-2013 – **membru**

Pn7 – Platforma de formare si cercetare interdisciplinara pentru evaluarea calitatii materialelor si produselor QVMAT, contract nr. 24/25.09.2006, cod CNCSIS nr. 71, 2006-2008 - **membru**

Pn8 – Contract nr. 9/ 03.02.2005 – *‘‘Cercetări privind tehnologiile avansate de recondiţionare a rotorilor, ciocanelor şi a altor elemente componente supuse uzurii ‘‘*,Valoare 40.300 – **membru**

Pn9 – Contract nr. 120/17.10.2005 ISIM Timişoara - *‘‘Studiu de informare documentarã privind problemele cavităţii şi fisurării la elementele rotorice ale hidroagregatelor aflate în exploatare‘‘,Valoare 15.000* **membru**

Pn10 – Contract nr. 244/15.11.2006.- ,,Cercetări privind testarea anduranţei straturilor dure depuse prin sudare pentru piese utilizate în industria metalurgică’’, *Valoare 25.000* - ***membru***

Pn11 – .Contract nr. 246/ 15.01.2008 - ,,Flux tehnologic pentru o hala de confectii metalice cu o productie de 450 tone pe luna", *Valoare 30.000 EURO* - ***membru***

Pn12 – Contract RELANSIN 1383 / 15.10.2003 Subprogramul 3 Cercetări privind realizarea unor materiale compozite inteligente cu aplicaţie în industria constructoare de autoturisme -2003-2004 - ***membru***

F – Alte lucrări de cercetare – dezvoltare

Obs.-a se menţiona calitatea de responsabil/director sau coautor.

VII. COMUNICĂRI ŞTIINŢIFICE NEPUBLICATE (E)

E – Lucrări prezentate la diferite seminarii/expoziţii, conferinţe, etc.

Data 28.03.2025