

Universitatea Politehnica din București

Facultatea I.M.S.T.

Departamentul Tehnologia Materialelor și Sudare

Concurs pentru ocupareapostului poz. **16** , de **conferențiar**

Disciplinele: Legislație în securitatea și sănătatea în munca; Bazele proceselor de sudare; Analiza avariilor; Tehnologia materialelor.

Domeniul Inginerie industrială

post publicat în Monitorul Oficial al României nr. **569/28.04.2017**

LISTA DE LUCRĂRI

AMZA (APOSTOLESCU) I. ZOIA Dr./ din 2006, șef lucrări/ din 2007

10 LUCRĂRI REPREZENTATIVE

1. **Zoia Apostolescu**, Oana Roxana Chivu, Augustin Semenescu, Claudiu Babiș, Cătălin Amza, Gabriel Iacobescu, Maria Alina Gligor, Dan Fl. Nițoi, George Mihail Adîr (2017)- The Impacts of Industrial Processing of Oil on Soil Quality, Revista de chimie, Volume: 68 No.1/2017 pp. 111-115, Published: **Ianuarie 2017**.ISSN: 0034-7752. **IF = 0.956. WOS:000395499200024**
2. Gheorghe Amza, Dan Dobrotă, Valentin Petrescu, **Zoia Apostolescu**, Radu Albulescu (2015) - *Influence of use of ultrasound on metallographic structure of plated pieces by welding in ultrasonic field*-METALURGIJA Volume: 54, Issue:3, pp.523-526 Published: **JUL-SEP 2015** , ISSN: 05435846 , **IF = 0,8, WOS:000347363100019.**
3. Gheorghe Amza, Valentin Petrescu, Dan Dobrotă, **Zoia Apostolescu**, Radu Albulescu (2015) - *Influence of use of ultrasound on the mechanical properties of plated pieces by welding in ultrasonic field*- METALURGIJA Volume: 54, Issue: 3 , pp. 531-534 ,Published: **JUL-SEP 2015, ISSN: 05435846 , IF = 0,8,WOS:000347363100021**
4. Gheorghe Amza, Anton Hadăr, **Zoia Apostolescu**, Catalin Gheorghe Amza, Liviu E. Anton (2007) - *Determinarea prin calcul numeric a parametrilor funcționali ai sistemelor ultraacustice folosite la sudarea cu ultrasunete a materialelor compozite inteligente*. Revista Mase Plastice nr. 2 **iunie, 2007** MPLAAM 44(2) **2007**, ISSN 0025/5289. pp.121-128, **IF = 0,96,WOS:000248937300006.**
5. Gheorghe Amza, Dan Fl. Nițoi, Andrei Dimitrescu, **Zoia Apostolescu**, Adrian C. Mitrache (2016) - *Theoretical and experimental contributions regarding environmental component role in transformation of a machine building plant into an eco-technological organization* - Conference: 16th International Multidisciplinary Scientific Geoconference (SGEM 2016) Location: Albena, BULGARIA Date: JUN 30-JUL 06, 2016 ,ENERGY AND CLEAN TECHNOLOGIES CONFERENCE PROCEEDINGS, SGEM 2016, VOL II Book Series: International Multidisciplinary Scientific Geo Conference-SGEM pp. 671-678. ISBN:978-619-7105-64-3, ISSN: 1314-2704. **Published: 2016,WOS:000391348700086**
6. Augustin Semenescu, Gheorghe Amza, Oana Roxana Chivu, Andrei Dimitrescu, **Zoia Apostolescu** (2016) - *Contributions to the environmental impact of coating processes for reconditioning by welding*, - Conference: 16th International Multidisciplinary Scientific Geoconference (SGEM 2016) Location: Albena, BULGARIA Date: JUN 30-JUL 06, 2016 ENERGY AND CLEAN TECHNOLOGIES CONFERENCE PROCEEDINGS, SGEM 2016, VOL II Book Series: International Multidisciplinary Scientific GeoConference-SGEM pp. 315-322 ,**Published: 2016,ISBN:978-619-7105-64-3, ISSN: 1314-2704.WOS:000391348700041,**
7. Gheorghe Amza, Valentin Petrescu,Dan Fl. Nitoi, Andrei Dimitrescu, **Zoia Apostolescu** (2016) - *Contributions regarding chemical composition variation in ultrasonic field overlaying welding* - ModTech International Conference Modern Technologies in Industrial Engineering ,June 15-18, 2016, Iasi, Romania , Volume: 145, pp.1-8 Article Number: 072008, **Published: 2016, ISSN: 1757-8981,WOS:000396437600124**
8. Gheorghe Amza, Dan F. Nitoi, Catalin Gh. Amza, Andrei Dimitrescu, **Zoia Apostolescu**, Gabriel D. Tasca, Marius C.Teodorescu, (2015) - *Contributions regarding the use of ultrasound capabilities in the reconditioning by metallization of some automotive parts*- Proceedings MODTECH **2015**, IOP Conference Series-Materials Science and Engineering, , Volume: 95, Article Number: 012010 , pp.1-7,DOI: 10.1088/1757-899X/95/1/012010, Published: 2015, ISSN: 1757-8981, Mamaia, ROMANIA, **JUN 17-20, 2015.WOS:000365128900010**

9. Dan Nițoi, Ștefan Milicescu, **Zoia Apostolescu**, Andrei Dimitrescu, Oana Chivu , Marius Cornel Teodorescu (2014) - *FEM of an Implant Behaviour in a Healthy Bone* - 25th DAA AM International Symposium on Intelligent Manufacturing and Automation, Viena-Austria, 26-29 november 2014, Volume 100, Issue C, pp. 1092–1098 . ISSN: 1877-7058, WOS:000380551900136.
10. Gheorghe Amza, Zlatko Garac, **Zoia Apostolescu** , Ion Ciucur (2010) - *Contributions regarding the recycling of materials used in automobile construction* – ModTech, Proceedings of the 14th International Conference Modern Technologies, Quality and Innovation, May 20-22 2010 Slanic Moldova, ISSN 2066 – 3919, pp. 43-47. WOS:000282604000008.

I. TEZA (E) DE DOCTORAT (T)

T1 - Contribuții teoretice și experimentale privind sudarea cu ultrasunete a materialelor compozite inteligente

II. CĂRȚI PUBLICATE (C)

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

- Ca1 Zoia Apostolescu (2016)** - *Elemente de proiectare în Ergonomie*, Editura Printech, 2016, ISBN -978-606-23-0697-7, pp. 153, cod CNCSIS 54.
- Ca2.** Gheorghe Amza, Constantin Radu, **Zoia Apostolescu**, Dan Fl. Nițoi, Adrian Milică (2013) - *Calitatea în procesele de operare, volumul V, Elemente de proiectare*, Editura Printech, 2013, pp 492. ISBN 978-606-521-985-4. cod CNCSIS 54.
- Ca3.** Gheorghe Amza, **Zoia Apostolescu**, Dan Nițoi, Liviu Morar, Ionel Sârbu (2011) - *Noutăți în tehnologia materialelor*, Editura Academiei Oamenilor de Știință din România, 2011, pp.150, ISBN-978-606-8371-49-8. cod CNCSIS 54
- Ca4.** Gheorghe Amza, Constantin Radu, **Zoia Apostolescu**, Cătălin Gh. Amza, Alexandru Dumitrache Ruijinski, Gabriel Gârleanu, Delia Gârleanu (2008) - *Procese de Operare, volumul IV- Elemente de Proiectare* - Editura Printech, București, 2008, pp. 709, ISBN 978- 606-521-017-2. cod CNCSIS 54.

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

- Cb1.** C. Babiș, G Iacobescu, **O. Chivu**, Z. Apostolescu, D.Nițoi, *Elemente de securitate și sănătatea muncii în domeniul mecanic prelucrări prin așchiere*, Ed. PRINTECH, București, 2016, ISBN 978-606-23-0573-4, 177 pag.
- Cb2.** Gheorghe Amza, Dan Florin Nițoi, Claudiu Babiș, **Zoia Apostolescu (2016)** - *Tehnologia materialelor, Sănătatea și Securitatea Muncii în Sectoare Primare, Elaborarea materialelor, Turnarea*, Editura Printech, 2016, ISBN-978-606-23-0632-8, pp-285. cod CNCSIS 54.
- Cb3.** **Zoia Apostolescu (2013)** - *Sudarea cu ultrasunete a materialelor compozite inteligente* - Editura Printech, 2013, pp. 251 , ISBN 978-606-521-969-4. cod CNCSIS 54
- Cb4.** Gheorghe Amza, **Zoia Apostolescu**, Constantin Radu, Dan Florin Nițoi (2013) - *Ecotehnologie, vol. II*, Editura Printech, 2013, pp 389. ISBN -978-606-23-0132-3. cod CNCSIS 54.
- Cb5.** Gheorghe Amza, **Zoia Apostolescu**, Adrian Milică (2013) - *Tehnologia Materialelor pentru inginerii ISI și iningnerii economiști*-Editura Printech, 2013, pp 727. ISBN-978-606-521-993-9. cod CNCSIS 54.
- Cb6.** Gheorghe Amza, **Zoia Apostolescu**, Oana Elena Amza (2012) - *Tehnologii Speciale, volumul 2*, Eitura Printech, Bucuresti 2012, pp.461, ISBN 978-606-521-822-2. cod CNCSIS 54.

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.** Gheorghe Amza, Constantin Radu Alexandru Dumitrache-Rujinski, Dan Florin Nitoi, **Zoia Apostolescu**, Oana Roxana Chivu, Angela Moraru (2014) - *Indrumar proiect. Tehnologia materialelor si produselor. Proiectarea proceselor tehnologice Vol. XI*, Editura Printech, 2014, pp. 612, ISBN-978-606-23-02-11-5, cod CNCSIS 54.
- I2.** Amza Gheorghe, Radu Constantin, Nițoi Dan Florin, Amza Cătălin Gheorghe, **Zoia Apostolescu** Marinescu Marinela Nicoleta, Borda Claudia, Moraru Angela Camelia, Buțu Larisa, Dumitrache Rujinski Alexandru (2010) - *Încercările materialelor și produselor, vol.XI*- Editura Printech- pp. 447, ISBN-978-606-521-507-8, cod CNCSIS 54.
- I3.** Gheorghe Amza, C-tin Radu, Cătălin Gheorghe Amza, **Zoia Apostolescu**, Claudia Borda, Angela Moraru, Marilena Marinescu, Larisa Buțu, Al. Dumitrache Rujinski, D.F. Nițoi (2010) - *Tehnologia Materialelor - Proiectarea Proceselor Tehnologice*, vol. X, Ed. a II-a, Ed. Printech, Bucuresti 2010, pp. 588, ISBN 978-606-521-508-5, cod CNCSIS 54

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 internațională recunoscute (cotate / indexate ISI Thomson Reuters, sau indexate în alte Baze de Date Internationale – BDI specific domeniului, care fac un proces de selecție a revistelor pe baza unor criterii de performanță). *Se menționează la fiecare lucrare includerea în Baza ISI [Accession Number, WOS=....., ultimul Factor Impact, ISSN] și/sau denumirea altei (altor) BDI.*

Ris1. **Zoia Apostolescu**, Oana Roxana Chivu, Augustin Semenescu, Claudiu Babiș, Cătălin Amza, Gabriel Iacobescu, Maria Alina Gligor, Dan Fl. Nițoi, George Mihail Adir (2017)- The Impacts of Industrial Processing of Oil on Soil Quality, Revista de chimie, Volume: 68 No.1/2017 pp. 111-115, Published: **Ianuarie 2017**. ISSN: 0034-7752. **IF = 0.956**. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, WOS:000395499200024

Ris2. Chivu Oana Roxana, Semenescu Augustin, Babiș Claudiu, Amza Catalin, Iacobescu Gabriel, **Zoia Apostolescu**, Valentin Petrescu Adir George Mihail (2017) - *The Impact of the Industrial Processing of Oil on the Rainfall Water Quality*- Revista de chimie, Volume: 68, pp. 175-179, Published: **JAN 2017**. ISSN: 0034-7752. **IF = 0.956**. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, WOS:000395499200038

Ris3. Augustin Semenescu, Oana R. Chivu, Claudiu Babiș, **Zoia Apostolescu**, Valentin Petrescu, George Bălan (2016) - *Formation Mechanism Emissions in Case of Reconditioning by Welding in the Automotive Industry Crankshafts*. Revista de Chimie (Bucharest), Volume 67 Issue 7, **July 2016**, pp.1281-1283. , ISSN: 00347752 CODEN: RCBUA, **IF = 0,956**. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, WOS:000385513000009

Ris4. Claudiu Babiș, Augustin Semenescu, Oana Chivu, **Zoia Apostolescu**, Valentin Dan Petrescu, Gabriel Iacobescu (2016) - *Environmental impact in case of fillet welds rehabilitation for welded bridges*,

- REV.CHIM.(Bucharest), Volume 67, No. 9, **sept. 2016**, pp. 1879-1883, ISSN: 0034-7752, **IF = 0.956**, INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000385266600046**,
- Ris5.** Augustin Semenescu, Oana Roxana Chivu, Claudiu Babis, **Zoia Apostolescu**, Valentin Petrescu, Gabriel Iacobescu, (2016) - *Research on the Influence of Alloying Elements on the Behaviour of the Cladding by Welding of Steels*-Revista de Chimie, Volume: 67 Issue: 9 pp. 1787-1792, Published: **SEP 2016**, ISSN: 0034-7752, **IF = 0.956**. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000385266600028**
- Ris6.** Semenescu Augustin, Chivu Oana Roxana, Babis Claudiu, **Zoia Apostolescu**, Amza Cătălin Gheorghe, Petrescu Valentin, Iacobescu Gabriel (2016) - *The Impact of Industrial Oil Processing Activity on the Air Quality*-REVISTA DE CHIMIE-Volume: 67 Issue: 10 pp. 2018-2021, Published: **OCT 2016**, ISSN: 0034-7752, **IF = 0.956**. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000388359900027**.
- Ris7.** Semenescu Augustin, Chivu Oana Roxana, Babis Claudiu, **Zoia Apostolescu**, Gligor Maria Alina, Iacobescu Gabriel (2016) - *Methods of Evaluating the Impact of an Environmental Aspect in Case of a Petrol Processing Companie* - REVISTA DE CHIMIE, Volume: 67 Issue: 11 pp. 2375-2378, Published: **NOV. 2016**, ISSN: 0034-7752. **IF = 0.956**. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000388361900053**
- Ris8.** Semenescu Augustin, Chivu Oana Roxana, Babis Claudiu, **Zoia Apostolescu**, Amza Catalin, Iacobescu Gabriel, Petrescu Valentin (2016) - *The Mathematical Modeling of a Chemical Production Prediction for a Chemical Companie and the Impact of the Results Polutants on the Environment* - REVISTA DE CHIMIE, Volume: 67, Issue: 12 pp. 2659-2661, Published: **DEC 2016**, ISSN: 0034-7752, **IF = 0.956**, INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000393230400056**,
- Ris9.** Chivu Oana Roxana, Semenescu Augustin, Babis Claudiu, Amza Catalin, Iacobescu Gabriel, Pasare Minodora, Petrescu Valentin, **Zoia Apostolescu** (2016) - *The Impacts of Industrial Processing of Oil on the Fountain Water Quality* - REVISTA DE CHIMIE, Volume: 67 Issue: 12 pp. 2577-2583, Published: **DEC 2016**, ISSN: 0034-7752, **IF = 0.956**, INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000393230400039**,
- Ris10.** Gheorghe Amza, Dan Dobrotă, Valentin Petrescu, **Zoia Apostolescu**, Radu Albuлесcu (2015) - *Influence of use of ultrasound on metallographic structure of plated pieces by welding in ultrasonic field*-METALURGIJA Volume: 54, Issue:3, pp.523-526 Published: **JUL-SEP 2015**, ISSN: 05435846, **IF = 0,8**, INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000347363100019**.
- Ris11.** Gheorghe Amza, Valentin Petrescu, Dan Dobrotă, **Zoia Apostolescu**, Radu Albuлесcu (2015) - *Influence of use of ultrasound on the mechanical properties of plated pieces by welding in ultrasonic field*- METALURGIJA Volume: 54, Issue: 3, pp. 531-534, Published: **JUL-SEP 2015**, ISSN: 05435846, **IF = 0,8**. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000347363100021**,
- Ris12.** Andrei Dimitrescu, Dan Nițoi, Dan Dobrotă, **Zoia Apostolescu** (2015) - *Researches and studies regarding brazed aluminium alloys microstructure used in aeronautic industry*-METALURGIJA Volume: 54, Issue: 2, pp. 383-386, Published: **APR-JUN 2015**, **IF = 0,8**. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000343781300020**,

- Ris13.** Gheorghe Amza, Dan Dobrotă, Maria Groza Dragomir, Sanda Paise, **Zoia Apostolescu (2013)** - *Researche on enviornmental impact assessment of flame oxyacetylene welding processes*, Metalurgija vol 52, no .4, str./P433-576, **Octomber-december 2013**, ISSN 0543-5846, pp. 457-460. **IF = 0,75**.INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR,**WOS:000318059400006**
- Ris14.** Gheorghe Amza, Anton Hadăr, **Zoia Apostolescu**, Gabriel. Garleanu, L.E. Anton (**2007**) - *Contribuții teoretice și experimentale privind influența parametrilor acustici în procesul de sudare cu ultrasunete a materialelor compozite inteligente*, Revista Materiale Plastice, MPLAAM 44, nr. 1, **martie 2007**, pp. 60-65, ISSN 0025/5289. **IF = 0,96**. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR,**WOS:000246485400014**
- Ris15.** Gheorghe Amza, Anton Hadăr, **Zoia Apostolescu**, Catalin Gheorghe Amza, Liviu E. Anton (**2007**) - *Determinarea prin calcul numeric a parametrilor funcionali ai sistemelor ultraacustice folosite la sudarea cu ultrasunete a materialelor compozite inteligente*. Revista Mase Plastice nr. 2 **ianie, 2007** MPLAAM 44(2) **2007**, ISSN 0025/5289. pp.121-128, **IF = 0,96**. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR,**WOS:000248937300006**.
- Ris16.** Gheorghe Amza, Valentin Petrescu, Dan Florin Nitoi, **Zoia Apostolescu**, Marius Cornel Teodorescu (2014) - *Contributions regarding technological metal deposition improving using the ultrasonic waves*, **Revista de Tehnologii Neconventionale** 18.4 (Dec 2014), pp. 27-31. INDEXATĂ:SCOPUS,ULRICHS INTERNATIONAL
- Ris17.** Gheorghe Amza , Corneliu Rontescu , Dumitru - Titi Cicic , **Zoia Apostolescu** , Dan Pică (**2010**) - *Research on environmental pollution when using shielded metal arc welding (smaw)* - U.P.B. Sci. Bull., Series D, Vol. 72, Iss. 3, **2010**, , pp.73-88, ISSN 1454-2358.INDEXATA: EBSCO, INDEX COPERNICUS, ULRICHS, SCIPPIO, GOOGLE SCHOLAR, SCOPUS.
- Ris18.** Gheorghe Amza, Dan Florin Nitoi, Claudiu Babis, Catalin Gheorghe Amza, **Zoia Apostolescu (2013)** - *Influence of the Milling Weld Toe and WIG Remelting Reconditioning Technology to Welded Pieces in the Case of Fatigue Testing* - Advanced Materials Research, vol. 684 (**2013**) pp 362-366, Trans Tech Publications, Switzerland, doi: 10.4028/, **2013**, ISSN: 1662-8985.INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR.
- Rio** – Alte reviste de specialitate de circulație internațională.
- Rns** - Reviste de specialitate de circulație națională recunoscute de CNCSIS. Se mentioneaza Categoria CNCSIS.
- Rno** - Alte reviste de specialitate de circulație națională.
- Vis**- Volumele unor manifestări științifice internaționale recunoscute, organizate in țară și 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.** Gheorghe Amza, Dan Fl. Nițoi, Andrei Dimitrescu, **Zoia Apostolescu**, Adrian C. Mittrache (**2016**) - *Theoretical and experimental contributions regarding environmental component role in transformation of a machine building plant into an eco-technological organization* - Conference: 16th International Multidisciplinary Scientific Geoconference (SGEM 2016) Location: Albena, BULGARIA Date: JUN 30-JUL 06, 2016 ,ENERGY AND CLEAN TECHNOLOGIES CONFERENCE PROCEEDINGS, SGEM 2016, VOL II Book Series: International Multidisciplinary Scientific Geo Conference-SGEM pp. 671-678. ISBN:978-619-7105-64-3, ISSN: 1314-2704.

Published: 2016. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR,
WOS:000391348700086,

Vis2. Augustin Semenescu, Gheorghe Amza, Oana Roxana Chivu, Andrei Dimitrescu, **Zoia Apostolescu (2016)** - *Contributions to the environmental impact of a company engineering and technological equipment-* Conference: 16th International Multidisciplinary Scientific Geoconference (SGEM 2016) Location: Albena, BULGARIA Date: JUN 30-JUL 06, 2016 ENERGY AND CLEAN TECHNOLOGIES CONFERENCE PROCEEDINGS, SGEM 2016, VOL II Book Series: International Multidisciplinary Scientific GeoConference-SGEM pp. 307-314 , ISBN:978-619-7105-64-3,ISSN: 1314-270, **Published: 2016,** INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR,**WOS:000391348700040,**

Vis3. Augustin Semenescu, Gheorghe Amza, Oana Roxana Chivu, Andrei Dimitrescu, **Zoia Apostolescu (2016)** - *Contributions to the environmental impact of coating processes for reconditioning by welding,* - Conference: 16th International Multidisciplinary Scientific Geoconference (SGEM 2016) Location: Albena, BULGARIA Date: JUN 30-JUL 06, 2016 ENERGY AND CLEAN TECHNOLOGIES CONFERENCE PROCEEDINGS, SGEM 2016, VOL II Book Series: International Multidisciplinary Scientific GeoConference-SGEM pp. 315-322 ,**Published: 2016,**ISBN:978-619-7105-64-3, ISSN: 1314-2704.INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR **WOS:000391348700041**

Vis4. Claudiu Babis, Gheorghe Amza, Dan Fl. Nitoi, Oana R. Chivu, **Zoia Apostolescu (2016)** - *Innovative technology for rehabilitation of welded fillet joints, in order to increase the fatigue lifetime,* Conference: 16th International Multidisciplinary Scientific Geoconference (SGEM 2016) Location: Albena, BULGARIA Date: JUN 30-JUL 06, 2016 , NANO, BIO AND GREEN - TECHNOLOGIES FOR A SUSTAINABLE FUTURE CONFERENCE PROCEEDINGS, SGEM 2016, VOL I Book Series: International Multidisciplinary Scientific Geo Conference-SGEM pp. 183-190, **Published: 2016.**ISBN:978-619-7105-68-1, ISSN: 1314-2704. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000391648800024**

Vis5. Claudiu Babis, Catalin Gheorghe Amza, **Zoia Apostolescu,** Gheorghe Amza, Oana R. Chivu (2016) - *The influence of fillet welds wig remelting on durability curves,* Conference: 16th International Multidisciplinary Scientific Geoconference (SGEM 2016) Location: Albena, BULGARIA Date: JUN 30-JUL 06, 2016 NANO, BIO AND GREEN - TECHNOLOGIES FOR A SUSTAINABLE FUTURE CONFERENCE PROCEEDINGS, SGEM 2016, VOL I Book Series: International Multidisciplinary Scientific GeoConference-SGEM pp. 353-360 , **Published: 2016.** ISBN:978-619-7105-68-1,ISSN: 1314-2704.INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR,**WOS:000391648800046,**

Vis6. Catalin Gheorghe Amza, Augustin Semenescu, Gheorghe Amza, Claudiu Babis, **Zoia Apostolescu (2016)** - *Theoretical and experimental contributions on the transformation of industrial engineering organizations into an organization eco technology,* Conference: 16th International Multidisciplinary Scientific Geoconference (SGEM 2016) Location: Albena, BULGARIA Date: JUN 30-JUL 06, 2016. ENERGY AND CLEAN TECHNOLOGIES CONFERENCE PROCEEDINGS, SGEM 2016, VOL II Book Series: International Multidisciplinary Scientific Geo Conference-SGEM pp. 663-670 , **Published: 2016.** ISBN:978-619-7105-64-3, ISSN: 1314-2704.INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR,**WOS:000391348700085,**

- Vis7.** Gheorghe Amza, Valentin Petrescu, Dan Fl. Nitoi, Andrei Dimitrescu, **Zoia Apostolescu (2016)** - *Contributions regarding chemical composition variation in ultrasonic field overlaying welding* - ModTech International Conference Modern Technologies in Industrial Engineering ,June 15-18, 2016, Iasi, Romania , Volume: 145, pp.1-8 Article Number: 072008, **Published: 2016**, ISSN: 1757-8981, INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR **WOS:000396437600124**
- Vis8.** Gheorghe Amza, Valentin Petrescu, Dan Fl. Nitoi, Adrian Mateiu, Andrei Dimitrescu, **Zoia Apostolescu (2016)** - *Contributions regarding increasing reliability of beer industry installations using weld cladding in ultrasonic field* , ModTech International Conference Modern Technologies in Industrial Engineering ,June 15-18, 2016, Iasi, Romania., Volume: 145, pp.1-10, Article Number: 062004, ISSN: 1757-8981. **DOI: 10.1088/1757-899X/145/6/062004**, **Published: 2016**, INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000396437600109**
- Vis9.** Andrei Dimitrescu, Gheorghe Amza, Dan Fl. Nitoi, Catalin Gheorghe Amza, **Zoia Apostolescu (2016)** - *Studies and research on the microstructure of brazed aluminum alloys in the repair process* - ModTech International Conference Modern Technologies in Industrial Engineering ,June 15-18, 2016, Iasi, Romania. Volume: 145, Article Number: 072001, pp.1-7, **DOI: 10.1088/1757-899X/145/7/072001** **Published: 2016**, ISSN: 1757-8981. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000396437600117**
- Vis10.** Andrei Dimitrescu, Gheorghe Amza, Dan Fl. Nitoi, Catalin Gheorghe Amza, **Zoia Apostolescu (2016)** - *Fatigue FEM analysis in the case of brazed aluminium alloy 3L59 used in aeronautical industry* - ModTech International Conference Modern Technologies in Industrial Engineering ,June 15-18, 2016, Iasi, Romania. Volume: 145, Article Number: 042009. pp.1-7, **DOI: 10.1088/1757-899X/145/4/042009**, **Published: 2016**. ISSN: 1757-8981, INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000396437600061**
- Vis11.** Gheorghe Amza, Dan F. Nitoi, Catalin Gh. Amza, Andrei Dimitrescu, **Zoia Apostolescu**, Gabriel D. Tasca, Marius C. Teodorescu, **(2015)** - *Contributions regarding the use of ultrasound capabilities in the reconditioning by metallization of some automotive parts*- Proceedings MODTECH 2015, IOP Conference Series-Materials Science and Engineering, , Volume: 95, Article Number: 012010 , pp.1-7, **DOI: 10.1088/1757-899X/95/1/012010**, **Published: 2015**, ISSN: 1757-8981, Mamaia, ROMANIA, **JUN 17-20, 2015**. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR **WOS:000365128900010**
- Vis12.** Cătălin Gheorghe Amza, Gheorghe Amza, D.F. Nițoi, A. Dimitrescu, **Zoia Apostolescu (2015)** - *Design an ultrasonic system for finite element method used for powder metallization of metal parts*- Proceedings -15th International Multidisciplinary Scientific Geoconference and EXPO, SGEM 2015, Albena; Bulgaria; 18 - 24 June 2015, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, Volume 1, Issue 4, **2015**, pp. 649-656, ISBN:978-619-7105-38-4. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR **WOS:000371056000085**,
- Vis13.** Dan Nițoi, Ștefan Milicescu, **Zoia Apostolescu**, Andrei Dimitrescu, Oana Chivu , Marius Cornel Teodorescu **(2014)** - *FEM of an Implant Behaviour in a Healthy Bone* - 25th DAA AM International Symposium on Intelligent Manufacturing and Automation, Viena-Austria, 26-29 november **2014**, Volume

100, Issue C, pp. 1092–1098 . ISSN: 1877-7058, INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, WOS:000380551900136.

- Vis14.** Gheorghe Amza, Dan D. Popescu , **Zoia Apostolescu (2010)** - *Modeling a system ultraacoustic used for welding materials used in clothing intelligent road* – ModTech, Proceedings of the 14th International Conference Modern Technologies, Quality and Innovation, **May 20-22 2010** Slanic Moldova, ISSN 2066 – 3919, pp. 35-38, INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000282604000006**.
- Vis15.** Gheorghe Amza, **Zoia Apostolescu**, Coreneliu Rontescu , Dumitru T. Cicic (**2010**)- *Contributions to the environmental impact of the process of welding in protective gas environment* – ModTech, Proceedings of the 14th International Conference Modern Technologies, Quality and Innovation, **May 20-22 2010** Slanic Moldova, ISSN 2066 – 3919, pp. 39-42. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000282604000007**
- Vis16.** Gheorghe Amza, Zlatko Garac, **Zoia Apostolescu** , Ion Ciucur (**2010**) - *Contributions regarding the recycling of materials used in automobile construction* – ModTech, Proceedings of the 14th International Conference Modern Technologies, Quality and Innovation, **May 20-22 2010** Slanic Moldova, ISSN 2066 – 3919, pp. 43-47. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000282604000008**.
- Vis17.** Gheorghe Amza, **Zoia Apostolescu**, Oana R. Chivu, Mihaela Iliescu (**2009**) - *Research on Modeling and Design of Rotation and Translation Ultrasonic Motors*- 8th WSEAS International Conference on Signal Processing, Robotics and Automation, **2009**, Cambridge, ENGLAND, **FEB 21-23, 2009**, pp. 49-52. ISBN:978-960-474-054-3. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000265023500005**
- Vis18.** Gheorghe Amza, Dumitru Titi Cicic, Coreneliu Rontescu, **Zoia Apostolescu**, Dan Pică (**2009**) - *Theoretical and Experimental Research on the Environmental Impact of certain Welding Processes* - Conference: 4th IASME/WSEAS International Conference on Energy and Environment- Cambridge, ENGLAND, **MAR 24-26, 2009**, pp. 60-65., ISBN:978-960-474-055-0. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000265673500006**
- Vis19.** **Zoia Apostolescu**, Mircea Grigoriu (**2008**) - *Transitory Regimes of Electrical Grids Simulation*, Proceedings of the 1st wseas international conference on visualization, imaging and simulation (VIS'08) ISSN: 1790-2769 ISBN: 978-960-474-022-2, pp. 127-130. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000264044900021**
- Vis20.** Gheorghe Amza, **Zoia Apostolescu**, Gabriel Dan Tașcă (**2008**) - *Contributions to the Design of an Ultra Acoustic System Used in Active Applications of Ultrasound*-MACMESE 2008: Proceedings of the 10th WSEAS International Conference on Mathematical and Computational Methods in Science and Engineering, Pts I and II, Book Series: Mathematics and Computers in Science and Engineering. Bucharest, ROMANIA, **NOV 07-09, 2008**. pp. 256-259., ISBN:978-960-474-019-2. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000262436800058**.
- Vis21.** Gheorghe, Amza, **Zoia Apostolescu**, Radu Constantin. Gabriel Dan Tașcă (**2008**) - *Contributions to Finite Element Analysis of an Ultra Acoustic System Used in Active Applications of Ultrasound - Part I* Conference: 1st WSEAS International Conference on Visualization, Imaging and Simulation

(VIS'08) Location: Bucharest, ROMANIA, Date: **NOV 07-09, 2008**
Sponsor(s): WSEAS. PROCEEDINGS OF THE 1ST WSEAS INTERNATIONAL CONFERENCE ON VISUALIZATION, IMAGING AND SIMULATION (VIS'08) B Series: Mathematics and Computers in Science and Engineering pp. 137-140 Published 2008. ISBN:978-960-474-022-2. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000264044900023**.

Vis22. Gheorghe Amza, **Zoia Apostolescu**, Constantin Radu, Gabriel Dan Tasca (2008) - *Contributions to Finite Element Analysis of an Ultra Acoustic System Used in Active Applications of Ultrasound - Part II*, 1st WSEAS International Conference on Visualization, Imaging and Simulation (VIS'08). Bucharest, ROMANIA, **NOV 07-09, 2008**, pp. 141-144. ISBN:978-960-474-022-2, INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000264044900024**.

Vis23. Constantin Radu, Gheorghe Amza, **Zoia Apostolescu** (2008) - *Finite Element Modelling and Analysis of Simple Ultrasonic Horns*, PROCEEDINGS OF THE 1ST WSEAS INTERNATIONAL CONFERENCE ON VISUALIZATION, IMAGING AND SIMULATION (VIS'08), Bucharest, ROMANIA, **NOV 07-09, 2008**, pp. 173-178. ISBN:978-960-474-022-2. INDEXATĂ: ISI WEB OF SCIENCE, SCOPUS și GOOGLE SCHOLAR, **WOS:000264044900030**.

Vis24 Gheorghe Amza, Gabriel Iacobescu, Dan. F. Nițoi, Catalin G. Amza, **Zoia Apostolescu** (2016) - *Contributions to the Environmental Impact of the Process of Welding Work in the Environment of Protective Gases* - Advanced Materials Research, Vol. 1138, pp. 101-106, 2016,

Vis25. Gheorghe Amza, Gabriel Iacobescu, D. F. Nițoi, C. G. Amza, **Zoia Apostolescu** (2016) - *Contributions Regarding Working Environment Impact of Submerged Arc Welding* - Advanced Materials Research, Vol. 1138, pp. 107-112, 2016.

Vis26 Andrei Dimitrescu, Dan Fl. Nițoi, **Zoia Apostolescu** (2015) - *Choosing the best brazing technology for aluminum alloys using the electre method* - *Fiability & Durability / Fiabilitate si Durabilitate* . 2015 Supplement, Issue 1, pp.67-73.

Vis27 Gheorghe Amza, Valentin Petrescu, Dan Florin Nitoi, **Zoia Apostolescu**, Marius Cornel Teodorescu (2014) - *Contributions regarding technological metal deposition improving using the ultrasonic waves*, **Revista de Tehnologii Neconventionale** 18.4 (Dec 2014), pp. 27-31.

Vis28. Gheorghe Amza, Valentin Petrescu, **Zoia Apostolescu**, Dan Fl. Nițoi (2014) - *Contributions to the process where plating difussion field ultrasonic welding plain carbon steels* *Fiabilitate si Durabilitate - Fiability & Durability Supplement No 1/ 2014*, Editura "Academica Brâncuși", Târgu Jiu, ISSN 1844 – 640X, pp. 67-75

Vis29. Gheorghe Amza, Oana Elena Amza, **Zoia Apostolescu** (2010) - *Ultrasonic treatment endodontice* - *Fiabilitate si Durabilitate - Fiability & Durability no 2(6)/ 2010* Editura "Academica Brâncuși", Târgu Jiu, pp. 57-66., ISSN 1844.

Vis30. Gheorghe Amza, Dumitru. T. Cicic, Corneliu Rontescu, **Zoia Apostolescu**, Mihaela Pârvulescu (2010) - *Contribuții teoretice si experimentale privind impactul asupra mediului a procedeului de sudare automată sub strat de flux (SAF)* - *Lucrările Conferinței Internaționale ASR „SUDURA 2010” Tehnologii de sudare si recondiționare prin sudare*, 21 – 23 aprilie 2010, Ploiesti, ISSN 1843-4738, Editura SUDURA – Timisoara, pp. 39-50.

- Vis31.** Gheorghe Amza, **Zoia Apostolescu (2010)** - *Use of a system design ultraacoustic welding*, - Proceedings Durability and Reliability of Mechanical Systems 3rd Symposium with international participation, Constantin Brâncuși University of Târgu Jiu, Editura Academica Brâncuși, ISBN 978-973-144-350-8, May 20-21 2010 ,pp. 428-437.
- Vis32.** Gheorghe Amza, Oana Elena Amza, **Zoia Apostolescu (2010)** - *Ultrasonic treatment endodontice- Proceedings Durability and Reliability of Mechanical Systems* - 3rd Symposium with international participation, Constantin Brâncuși University of Târgu Jiu, Editura Academica Brâncuși, ISBN 978-973-144-350-8, May 20-21 2010, pp. 438-447.
- Vi** - Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate;
- Vn** - Volumele unor manifestări științifice naționale.
- Vn1.** Gheorghe Amza, Relu Fenechiu , Dan Florin Nițoi, Oana Roxana Chivu, **Zoia Apostolescu (2016)** - *Contributions to the structural modifications that occur when reconditioning by spraying on ultrasonic field*, - The 2nd International Scientific Conference SAMRO 2016 Romania, **October, 2016** , Topic 2 - Processes and quality management pp.137-143. ISSN 2537-3463 ISSN-L 2537-3455 ISBN 978-973-31-2390-3.
- Vn2.** Gheorghe Amza, Dan Valentin Petrescu, Dan Florin Nițoi, **Zoia Apostolescu** , Oana Roxana Chivu (2016) - *Contributions on the environmental impact of sections of the foundry an enterprise technology equipment* - The 2nd International Scientific Conference SAMRO 2016 Romania, **October, 2016** , Topic 6 - Management of sustainable development, pp. 427- 434. ISSN 2537-3463 ISSN-L 2537-3455 ISBN 978-973-31-2390-3.
- Vn3.** Gheorghe Amza, Dan Nitoi, Catalin Amza, **Zoia Apostolescu**, Constantin Opran (2015) - *Ultrasonic System Design and Calculation for Polymer Metallization*, - Applied Mechanics and Materials, Vol. 760, pp. 263-268, 2015
- Vn4.** Gheorghe Amza, Dan. F.Nițoi, **Zoia Apostolescu**, Gabriel. D. Tasca (2015) - *Experimental Results Regarding Metal Plating by Welding Method in Ultrasonic Field for High Corosed Base Metal Piece*, - Applied Mechanics and Materials, Vol. 760, pp. 539-544, 2015
- Vn5.** Oana Elena Amza, Gheorghe Amza, **Zoia Apostolescu**, Dan Florin Nitoi (2013) - *Contributions to the State of Stresses and Strains that Appear in Root Canal Preparing using Ultrasonic Waves* - Proceedings of the1st International Conference on Industrial and Manufacturing Technologies (INMAT13) Vouliagmeni, Athens, Greece, pp. 159-162 **May, 14-16, 2013**, ISSN 2227-4596,M ISBN-978-1-61804-186-9.
- Vn6.** Gheorghe Amza, **Zoia Apostolescu**, Maria Dragomir-Groza, Sanda Liana Paise (2012) - *Contributions to health impact welding processes human operator*-Proceedings of the 12 th International Conference on Technology and Quality for Sustained Development-TQSD-12, București, 5-6.nov.2012, pp. 38-46.ISSN 1844-9158
- Vn7.** Gheorghe Amza, Adrian Mitrache, Marius Teodorescu, Bogdan Ionescu, Lucian Stoian, **Zoia Apostolescu**, Ion Ciobanu (2012) - *Using ultrasound to screen contributions to liquids and surface water purification and industrial* - Proceedings of the 12 th International Conference on Technology and Quality for Sustained Development-TQSD-12, București, 5-6. nov.2012, pp. 64-67,ISSN 1844-9158.
- Vn8.** Gheorghe Amza, Adrian Mitrache, Marius Teodorescu, Lucian Stoian, **Zoia Apostolescu (2012)** – *Contributions to the process of purification use of ultrasound in the working environment* - Proceedings of the 12

th International Conference on Technology and Quality for Sustained Development-TQSD-12, București, 5-6.nov.2012, pp. 83-85. ISSN 1844-9158

- Vn9.** Gheorghe Amza, **Zoia Apostolescu**, Maria Dragomir-Groza, Sanda Liana Paise (2012) - *Contributions to environmental impact a welding processes* - Proceedings of the 12 th International Conference on Technology and Quality for Sustained Development-TQSD-12, București, 5-6.nov.2012, pp. 96-105.ISSN 1844-9158
- Vn10.** Gheorghe Amza, **Zoia Apostolescu**, Gabriel Tașcă (2012) - *Research regarding non contact examination of composite materials* – Proceedings ModTech International Conference –New face of TMCR Modern Technologies, Quality and Innovation - **24-26 May 2012**, Sinaia, Romania, pp, 29-32, ISSN 2069-6736.
- Vn 11.** Gheorghe Amza, Oana Elena Amza, **Zoia Apostolescu (2012)** - *Contributions to the state of stress and strain occurring during endodontic treatment with ultrasound* - Proceedings ModTech International Conference –New face of TMCR Modern Technologies, Quality and Innovation – **24-26 May 2012**, Sinaia, Romania, pp. 33-36, ISSN 2069-6736.
- Vn12.****Zoia Apostolescu**, Gheorghe Amza, Sanda.L. Paise, Maria Dragomir Groza (2012) - *Contributions on the influence of mechanical parameters to the quality of welded joints of smart composites in ultrasonic field* - ISBN 9738-973-131-162-3, COMAT **2012**, paper 55, vol.1.
- Vn 13.** Gheorghe Amza, **Zoia Apostolescu**, Mihaiela Iliescu, Zlatko Garac, Sanda Paise, Maria Groza (2011) - *Applied Ecotechnological Issues for Recycling Cars* - Proceedings of the 13th WSEAS International Conference on mathematical methods, computational techniques and intelligent systems (MAMECTIS '11), the 10th WSEAS International Conference on non-linear analysis, non-linear systems and chaos (NOLASC '11), the 7th WSEAS International Conference on dynamical systems and control (CONTROL '11) and the 11th WSEAS International Conference on wavelet analysis & multirate systems (WAMUS '11), Iași, Romania, **July 1-3, 2011**, pp 33-38, ISBN: 978-1-61804-011-4.
- Vn14.** Gheorghe Amza , Alexandru Dmirache-Rujinski, Oana Elena Radocea , **Zoia Apostolescu (2010)** - *Researches Regarding Hot Plastic Deformation of Ultrasonic Concetrator Energy used for stomatology attendance* - Proceedings of the 3rd WSEAS International Conference on Finite Differences - Finite Elements - Finite Volumes-Boundary Elements (F-and-B'10) -20-22 April **2010**, ,pp. 243-246, ISBN: 978-960-474-180-9.
- Vn15.** Gheorghe Amza, Dan Dobrotă, Gabriel Văduva, **Zoia Apostolescu (2010)** – *Researches Regarding the influence on Ultrasounds on Tyres Backing of Technonological Process* - Proceedings of the 3rd WSEAS International Conference on Finite Differences - Finite Elements - Finite Volumes-Boundary Elements (F-and-B'10) -20-22 April 2010, ISBN: 978-960-474-180-9,pp. 112-117.
- Vn16** Gheorghe Amza, **Zoia Apostolescu**, Gabriel Marius Dumitru, Valentin Petrescu (2010) - *Theoretical and Experimental Contributions on Modeling a System Ultraacoustic*- Proceedings of the 3rd WSEAS International Conference on Finite Differences - Finite Elements - Finite Volumes-Boundary Elements (F-and-B'10) -20-22 April 2010, , pp. 118-123,ISBN: 978-960-474-180-9.
- Vn 17** Marcel Pleșca, **Zoia Apostolescu**, Marilena Stănculescu, Gabriel Văduva (2010) - *A Hydrostatic Extrusion Procedure for Industrial Use* - Proceedings of the 3rd WSEAS International Conference on Finite Differences -

Finite Elements - Finite Volumes-Boundary Elements (F-and-B'10) -20-22 April 2010, pp. 199-202, ISBN: 978-960-474-180-9

- Vn** 18. Gheorghe Amza, Corneliu Rontescu, Dumitru Titi Cicic, Zoia Apostolescu, Mihaela Pîrvulescu (2010) - *Theoretical and Experimental Contributions on Environmental Pollution through the Process of Welding Flux Layer (SAF)* - Petroleum - Gas University of Ploiesti Bulletin, Technical Series . 2010, Vol. 62 Issue 2, pp.57-68. 12p. 4 Charts, 7 Graphs.
- Vn** 19. Dan Nițoi , Gheorghe Amza , Mihai Bălăceanu , **Zoia Apostolescu (2010)** - *Ultrasonic welding between aluminum and glass fibre-* SISOM 2010 and Session of the Commission of Acoustics, Bucharest 27-28 May,2010, pp.396-405.
- Vn** 20. Gheorghe Amza, Dumitru Titi Cicic, Corneliu Rontescu, **Zoia Apostolescu**, Dan Pică (2009) - *Theoretical and Experimental Research on the Environmental Impact of certain Welding Processe* - Proceedings of the 4th IASME / WSEAS International Conference on ENERGY & ENVIRONMENT (EE'2009), ISSN: 1790-5095, , pp. 60-65, ISBN: 978-960-474-055-0
- Vn** 21. Gheorghe Amza, Dan Pică, Corneliu Rontescu, Dumitru Titi Cicic , **Zoia Apostolescu**, Mihaela Parvulescu (2009) - *Theoretical and experimental contributions on environmental pollution using the manual arc welding and electrode* - WSEAS, 2009, Proceedings of the International Conference on ENERGY and ENVIRONMENT TECHNOLOGIES and EQUIPMENT, pp. 60-65,ISSN: 1790-5095, ISBN: 978-960-474-181-6
- Vn** 22. Gheorghe Amza, **Zoia Apostolescu** , Oana Chivu , Mihaela Iliescu (2009) - *Research on Modeling and Design of Rotation and Translation Ultrasonic Motors*,Proceedings of the 8th WSEAS International Conference on SIGNAL PROCESSING, ROBOTICS and AUTOMATION, ISSN: 1790-5117, pp.49-52 , 2009, ISBN: 978-960-474-054-3.
- Vn** 23. Gheorghe Amza , **Zoia Apostolescu** , Gabriel Dan Tașcă (2009) - *Contributions regarding finite element modeling of an ultrasonic transducer used in wealding composite materials* - SISOM 2009 and Session of the Commission of Acoustics, Bucharest 28-29 May, 2009, pp.317-326.
- Vn** 24. **Zoia Apostolescu**, Mircea Grigoriu, Doina Dinu – *Especial Technological pumping systems energy efficiency evaluation*-Proceedings of the 8 th International Conference on Technology and Quality for Sustained Development-TQSD-2008, București, 30-31.oct.2008, Editura AGIR Publishing House, , pp.315-320 ISSN 1844-9158
- Vn** 25. Gheorghe Amza, Zoia Apostolescu, Mihai Alexandru Bălăceanu, Gabriel Dan Tașcă (2008) -*Theoretical research regarding the construction and the calculus of a ultraacoustic system used in the ultrasonic welding of inteligent composite materials-* Proceedings of the 8 th International Conference on Technology and Quality for Sustained Development-TQSD-2008, București, 30-31.oct.2008, Editura AGIR Publishing House, ISSN 1844-9158, pp.327-334.
- Vn** 26. Zoia Apostolescu, Mircea Grigoriu, Transitory Regimes of Electrical Grids Simulation, Proceedings of the 1st WSEAS International Conference on VISUALIZATION, IMAGING and SIMULATION (VIS'08),(2008), ISBN: 978-960-474-022-2,pp127

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).

Pi - internationale

Pi1. 2016-1-RO01-KA202-024508 A Digital Training Toolbox for Fostering European Experts in Welding Technologies, **01.10.2016-31.08.2018.Expert e-learning – COR -235905.**

<http://tms.camis.pub.ro/index.php/projects>

Pi2. 2016-1-RO01-KA202-024493 Circular Economy Digital Training Toolbox to foxter Innovative Green Entrepreneur – Eng@ge. **01.10.2016-31.08.2018. Director executiv-COR-242101.**

<http://tms.camis.pub.ro/index.php/projects>

Pi3.2016-1-RO01-KA202-024578 ”3DPTraining in 3D Printing To Foster EU Innovation & Creativity” **01.10.2016 - 31.08.2018, Expert e-learning – COR – 235905.**

<http://tms.camis.pub.ro/index.php/projects>

Pi4. ARTE3DP nr. 16 – SEE –PCB -RO-BUUCRES11 „Augmented Reality (AR) and 3D printing (3D) for Tehnic Lentrepreneurs”, **01.07.2016-31.01.2017 Expert CAD**

<http://www.camis.pub.ro/index.php/arte3dp-project>

Pi5.ARTE nr. 14 – SEE – PC - BUCURE11 „Augmented Reality (AR) for Tehnical Entrepreneurs” **03.01.2016-31.05.2016, Expert tehnic cod COR**

<http://tms.camis.pub.ro/index.php/arte>

Pi6.“ENEX – Expert in Nanotechnology Exploitation”, Project 2014-1-DE02-KA202-001635, KA2 Strategic partnership, **01.02.2016-30.08.2017, Expert formare.** <http://tms.camis.pub.ro/index.php/projects>

Pi7. Transfer Of Best-Practice & Innovation in CAD for Logistics Stakeholders”, LOGICAD nr. 2012-1-ES1-LEO05-48228, Transfer of Best Pactice & innovation in CAD for Logistics Stakeholders **01.10.2012-30.09.2014. Expert formare.**

<http://www.logicadproject.eu/>

Pn – nationale

Pn1 Contract de cercetare nr. 380 /06.09.2016 „Tehnologie optimă de determinare a defectelor din construcție a locuințelor în vederea creșterii confortului termic” - buget total UPB : **3.312 RON:** 06.09.2016-06.03.2017, **DIRECTOR PROIECT**

Pn2. Platforma de formare și cercetare interdisciplinară pentru evaluarea calității materialelor și produselor Q_EVMAT, 2006-2008(24 luni)-(35 mii RON). **membru, 2007-2008.**

Pn3.Contract nr. 91051/2007, "Creșterea eficienței proceselor suport pentru transferul internațional de know-how managerial în domeniul cercetării aplicative și al inovării" încheiat cu Centrul Național de Management Programe , 2007-2009, membru.

Pn4. Contract CEEX 265/2006, ISIM Timisoara, 2006-2008,“Centrul virtual pentru tehnologii integrate cu aplicatii ale energiei electroultraacustice in ingineria materialelor avansate “ **membru, 2007-2008.**

F – Alte lucrări de cercetare – dezvoltare.

VII. COMUNICĂRI ȘTIINȚIFICE NEPUBLICATE (E)

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

- SESIUNEA DE CERCETARE ȘTIINȚIFICĂ 2015-2016

1. Intoxicații profesionale în cadrul unei vopsitori.

Studenti: Radu-Gheorghe Motrun, Ionut-Cosmin Tudor, Grupa 611cc, Anul I, Facultatea Imst

Conducători Științifici: Șl. Dr. Ing. Oana Roxana Chivu, Șl. Dr. Ing. Zoia Apostolescu,

Departamentul TMS

2. Determinarea zgomotului în cadrul secției de așchiere

Studenti: Alexandru Culea, Ana-Maria Pirjol, Grupa 612CC, Anul I, Facultatea IMST

Conducători Științifici: Șl. Dr. Ing. Oana Chivu, Șl. Dr. Ing. Zoia Apostolescu, Departamentul

TMS

- SESIUNEA DE CERCETARE ȘTIINȚIFICĂ 2016-2017

3. Comparatie între metoda suva și incdpm pentru locul de munca inginer constructor

Studenti: Adrian MOISE, Alexandra BUDUI, Master Anul I, ISSM, Facultatea IMST

Conducători științifici: Conf.dr.ing Oana Roxana CHIVU, Ș.L. dr. ing. Zoia APOSTOLESCU Departamentul T.M.S.

Candidat,

S.l.dr.ing. Amza(Apostolescu) Zoia

Data: 08.06.2017

Semnatura.....