

INFORMAȚII PERSONALE

Mircea Horia Țierean



 Fântâna Roșie, 3, Brașov, 500123, România

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 mtierean@unitbv.ro



 skype/mtierean

Sexul M | Data nașterii 12/11/1959 | Naționalitatea Română

POZIȚIA

Profesor universitar

EXPERIENȚA PROFESIONALĂ

Octombrie 2017-

Președintele Senatului Universității Transilvania din Brașov

Universitatea Transilvania din Brașov, Bl. Eroilor 29, 500036, Brașov, Romania, www.unitbv.ro

Educație, cercetare, conducere doctorat

[Tipul sau sectorul de activitate](#) Educație și cercetare

Septembrie 2011-Octombrie 2017

Directorul Departamentului Ingineria Materialelor și Sudură

Universitatea Transilvania din Brașov, Bl. Eroilor 29, 500036, Brașov, Romania, www.unitbv.ro

Managementul departamentului, educație, cercetare, conducere doctorat

[Tipul sau sectorul de activitate](#) Educație și cercetare

Mai 2013-Iulie 2015

Cercetător

Red Dome Shelter SRL, str. Bradului 1, 530182, Miercurea – Ciuc, Romania, www.reddome.eu

Proiectarea domurilor geodezice, materiale compozite

[Tipul sau sectorul de activitate](#) Cercetare, dezvoltare

Martie 2008 - Martie 2012

Decanul Facultății Știința și Ingineria Materialelor

Universitatea Transilvania din Brașov, Bl. Eroilor 29, 500036, Brașov, Romania, www.unitbv.ro

Managementul facultății, educație, cercetare, conducere doctorat

[Tipul sau sectorul de activitate](#) Educație și cercetare

Decembrie 1989 - prezent

Profesor (2000-prezent), Conferențiar (1997-2000), Șef de lucrări (1992-1997), Asistent (1989-1992)

Universitatea Transilvania din Brașov, Bl. Eroilor 29, 500036, Brașov, Romania, www.unitbv.ro

Educație, cercetare

Conducător de doctorat în domeniul Ingineriei materialelor, ordinul MECI nr. 4697/14.08.2009

[Tipul sau sectorul de activitate](#) Educație și cercetare

Septembrie 1996 - Martie 2008

Proiectare (1996-2003), Managementul calității (2003-2008)

Braflex SRL, str. Eremia Grigorescu 6, 500327, Brașov, Romania, www.braflex.ro

Proiectarea cuplajelor, supapelor, lagărelor, managementul calității

[Tipul sau sectorul de activitate](#) Industrie

Septembrie 1986 - Decembrie 1989

Cercetător

Institutul de cercetare și proiectare tractoare, str. 13 Septembrie 94, 500164, Brașov, Romania

Septembrie 1984 - Septembrie 1986

Proiectarea tractoarelor industriale, macarale mobile

Tipul sau sectorul de activitate Cercetare, dezvoltare

Inginer stagiar

Metaloplast SA, str. Ecaterina Teodoroiu 38, 500450, Braşov, Romania

Proiectare tehnologie, scule, dispozitive

Tipul sau sectorul de activitate Industrie

EDUCAȚIE ȘI FORMARE

1990 - 1995

Doctoratul în Inginerie Mecanică

Nivel 8 EQF

Universitatea Transilvania din Braşov, Romania

- Optimizare, fiabilitate, structuri

1989 - 1990

Absolvent curs postuniversitar

Nivel 6 EQF

Universitatea Politehnica Bucureşti, Romania

- Măsurarea tensiunilor

1979 - 1984

Diploma de inginer

Nivel 6 EQF

Universitatea Transilvania din Braşov, Romania

- Tehnologia construcțiilor de maşini

COMPETENTE PERSONALE

Limba maternă

Română

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleză	C1	C1	C1	B1	B1
Franceză	C1	C1	C1	B1	B1

Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat
[Cadru european comun de referință pentru limbi străine](#)

Competențe de comunicare

- bune competențe de comunicare, dobândite prin experiența didactică și de management
- spirit de echipă

Competențe organizaționale/manageriale

- leadership, dobândit ca președinte al senatului, decan, director de departament
- managementul cercetării, dobândit ca responsabil de grant FP7
- calități de organizator, dobândit ca membru al comitetului de coordonare al Mediatecii Norbert Detaeye și al conferințelor BraMat

Competențe dobândite la locul de muncă

- cooperare internațională
- o bună cunoaștere a proceselor de control al calității

Competențe informatice

- o bună cunoaștere a instrumentelor Microsoft Office™
- bune cunoștințe de editare foto, dobândite ca fotograf amator
- Autodesk Inventor, Autodesk Simulation, Abaqus, Cosmos, MathCAD

Alte competențe

- evaluarea cercetării și a educației (CNCSIS 2004-2010, CEEX 2005, CNMP 2007-2008, ARACIS 2007-prezent, CNATDCU 2012-2016, 2017-2020)

Permis de conducere

- B

INFORMATII SUPLIMENTARE

Publicații

- cărți = 14
- co-editor conferințe internaționale = 5
- articole în reviste cotate Clarivate Analytics = 41
- articole în publicații indexate Clarivate Analytics = 23
- articole în reviste BDI = 33
- brevete de invenție = 4

Prezentări

- prezentări la conferințe internaționale = 42
- prezentări la conferințe românești = 32

Proiecte

- proiecte internaționale = 6
- proiecte românești = 12

Afilieri

- Asociația de Sudură din România
- Asociația Română de Mecanica Ruperii

Referințe

- Referințele pot fi furnizate la cerere

Citări

- în reviste Clarivate Analytics = 76
- Clarivate Analytics (h-index=6), Scopus (h-index=6)

29.06.2020

Mircea Horia Țierean



(a) Teza de doctorat:

“Contribuții la optimizarea bazată pe fiabilitate a structurilor de rezistență”

Supervizor: Prof.dr.ing. Ioan A. Goia, prezentare publică 22.09.1995.

(b) Cărți:

1. Luca, M.A., Țierean, M.H., *Elemente de știința materialelor*, Editura Universității “Transilvania” Brașov, Editura Universității “Transilvania” Brașov, ISBN 978-606-19-0635-2, 2015, 263 pag.
2. Leoveanu, I.S., Țierean, M.H., *Metode numerice avansate. Aplicații în modelarea metalelor*, Editura Universității “Transilvania” Brașov, ISBN 978-973-598-671-1, 2009, 200 pag.
3. Ceorapin, G.C., Țierean, M., Roată, I.C., *Metode Numerice. Lucrări de laborator în MatLab*, Editura Lux Libris, ISBN 978-973-131-000-8, 2007, Brașov, 242 pag.
4. Goia, I., Vlase, S., Țierean, M., Dimitriu, S., Teodorescu, H., Pop, O., Plamadeala, R., *Rezistența materialelor. Capitole speciale. Probleme*, Editura Lux Libris Brașov, ISBN 978-973-9458-92-4, 2007, 278 pag.
5. Țierean, M., Eftimie, L., Baltes, L., *Materials Science*, Editura Universității “Transilvania” Brașov, ISBN 973-635-684-1, 2006, 322 pag.
6. Țierean, M., *Mecanica ruperii*, Editura Lux Libris Brașov, ISBN 973-9240-98-4, 1999, 209 pag.
7. Țierean, M., Machedon, T., Luca, V., *Ghid de control cu ultrasunete*, Editura Universității “Transilvania” Brașov, ISBN 973-9474-27-6, 1999, 158 pag.
8. Tofan, M., Goia, I., Țierean, M., Ulea, M., *Deformatele structurilor*, Editura Lux Libris Brașov, ISBN 973-96854-2-0, 1995, 248 pag.
9. Olah, A., Țierean, M., *Alegerea materialelor*, Universitatea “Transilvania” Brașov, 2002, 107 pag.
10. Țierean, M., Eftimie, L., Radu, G., *Technical engineering, Laboratory Guide*, Universitatea “Transilvania” Brașov, 2002, 104 pag.
11. Țierean, M., Eftimie, L., Radu, G., *Technical engineering*, Universitatea “Transilvania” Brașov, 2001, 306 pag.
12. Țierean, M., *Analiza avariilor structurilor sudate*, Universitatea “Transilvania” Brașov, 1996, 194 pag.
13. Goia, I., Sperchez, F., Ciofoaia, V., Radu, G., Ulea, M., Țierean, M., *Rezistența materialelor. Culegere de probleme*, Universitatea “Transilvania” Brașov, 1991, 358 pag.
14. Novac, G., Dinescu, I., Țierean, M., Cătană, D., Bogdan, C., Novac, N., *Proiectarea mașinilor, utilajelor și construcțiilor sudate. Îndrumar de lucrări practice*, Universitatea “Transilvania” Brașov, 1998, 49 pag.

(c) Co-editor conferințe internaționale:

1. Munteanu, D., Vaz, V., Țierean, M.H., Croitoru, C., *11th International Conference on Materials Science & Engineering*, BraMat 2019, 13th – 16th March 2019, Brasov, Romania, Materials Today Proceedings, Elsevier, ISSN 2214-7853, Vol. 19, Iss. P3 (2019) 909–1098.
2. Munteanu, D., Țierean, M.H., *Advanced Technologies of Materials Processing II*, Materials Science Forum Vol. 907, Trans Tech Publications, ISBN-13: 978-3-0357-1075-5, 2017, 242 pag.
3. Munteanu, D., Țierean, M.H., *Advanced Technologies of Materials Processing*, Advanced Materials Research Vol. 1128, Trans Tech Publications, ISBN-13: 978-3-03835-637-0, 2015, 420 pag.
4. Țierean, M., Rață, C., *Cadrul organizatoric, probleme și metode de soluționare pentru aplicații energetice eficiente în diferite tipuri de clădiri din România*, Editura Universității “Transilvania” Brașov, ISBN 973-635-282-X, 2004, 277 pag.
5. Ștefănescu, D., Ruxanda, R., Țierean, M., Șerban, C., (editors) *Proceedings of the International Conference on the Science of Casting and Solidification*, Editura Lux Libris Brașov, ISBN 973-9428-67-3, 2001, 418 pag.

(d) Articole:
(d1) Reviste WoS:

1. Samoila, C., Ursutiu, D., Tavkheldze, A., Jangidze, L., Taliashvili, Z., Skhiladze, G., Țierean, M., Nanograting layers of Si, *Nanotechnology*, vol. 31 issue: 3 article: 035301, DOI:10.1088/1361-6528/ab4889, WOS:000501840300001 IF=3.399, (corresponding author).
2. Luca, M.A., Țierean, M.H., Machedon Pisu, T., Rodriguez, J., Croitoru, C., The influence of concentrated solar energy flux on the structure and properties of stainless steel brazed joints, *Journal of thermal analysis and calorimetry*, Vol.: , Issue: , Pages: , DOI: 10.1007/s10973-019-09113-8, WOS:000500853500007, IF=2.471.
3. Yan, G., Wu, Y., Cristea, D., Liu, L., Țierean, M., Wang, Y., Lu, F., Wang, H., Yuan, Z., Munteanu, D., Zhao, D., Mechanical properties and wear behavior of multi-layer diamond films, deposited by hot-filament chemical vapor deposition, *Applied Surface Science*, vol.494, 2019, pages 401-411, DOI: 10.1016/j.apsusc.2019.07.110, WOS:000487838900046, IF=5.155.

4. Baltes, L., Costiuc, L., Patachia, S., Țierean, M., Differential scanning calorimetry-a powerful tool for the determination of morphological features of the recycled polypropylene, *Journal of Thermal Analysis and Calorimetry*, Vol: 138, Issue: 4, Pages: 2399-2408, DOI: 10.1007/s10973-019-08679-7, WOS:000499703500004, IF=2.471.
5. Pascu, A., Stanciu, E.M., Croitoru, C., Roata, I.C., Mirza Rosca, J., Cimpoesu, N., Țierean, M.H., Bogatu, C., Pulsed Laser Cladding of NiCrBSiFeC Hardcoatings Using Single-Walled Carbon Nanotube Additives, *Journal of Nanomaterials*, vol. 2019, article ID 2401295, 12 pages, <https://doi.org/10.1155/2019/2401295>, WOS:000487080800001, IF=2.233.
6. Andrei, O.C., Țierean, M.H., Burlibasa, M., Daguci, L., Scriciu, M., Farcasiu, C., Bisoc, A., Ionescu, I., Daguci, C., Tanasescu, L.A., Masticatory Area Influence on Stress in Saddle in Attachments Implant Supported Dentures, *Romanian Biotechnological Letters*, Volume: 24 Issue: 4 Pages: 684-691, DOI: 10.25083/rbl/24.4/684.691, WOS:000482118200014, IF=0.59. <https://www.rombio.eu/docs/Andrei%20et%20al.pdf>
7. Yan, G.Y., Wu, Y.H., Cristea, D., Lu, F., Wang, Y.B., Zhao, D.H., Țierean, M., Liu, L.S, Machining performance of hard-brittle materials by multi-layer micro-nano crystalline diamond coated tools, *Results in Physics*, Volume: 13, Article Number: 102303, DOI: 10.1016/j.rinp.2019.102303, WOS:000476618700191, IF=3.042.
8. Patachia, S., Croitoru, C., Baltes, L., Țierean, M., Colors distribution in polymer wastes and color prediction of recycled polymers, *Environmental Engineering and Management Journal*, Volume: 18 Issue: 5, 2019, Pages: 1039-1048, WOS:000473511200009, IF=1.186.
9. Feldiorean, D., Cristea, D., Țierean, M., Croitoru, C., Gabor, C., Jakab-Farkas, L., Cunha, L., Barradas, N.P., Alves, E., Craciun, V., Marin, A., Moura, C., Leme, J., Socol, M., Craciun, D., Cosnita, M., Munteanu, D., Deposition temperature influence on the wear behaviour of carbon-based coatings deposited on hardened steel, *Applied Surface Science*, 475 (2019) 762–773, DOI: 10.1016/j.apsusc.2019.01.028, WOS:000458482100090, IF=5.155.
10. Baltes, L., Patachia, S., Țierean, M., Ekincioglu, O., Ozkul, M.H., Photoactive polymer-cement composites for tannins removal from wastewaters, *Journal of Environmental Chemical Engineering*, 2018, Volume: 6, Issue: 4, Pages: 4357-4367, ISSN: 2213-3437, DOI: 10.1016/j.jece.2018.06.039, WOS:000444046700062, IF=0.
11. Baltes, L., Țierean, M., Patachia, S., Ekincioglu, O., Ozkul, H.M., Photoactive glazed polymer-cement composite, *Applied Surface Science*, 2018, Volume: 438, Pages: 84-95, ISSN: 0169-4332, DOI: 10.1016/j.apsusc.2017.09.068, WOS:000425731200011, IF=4.439.
12. Stanciu, E.M., Pascu, A., Croitoru, C., Țierean, M., Mirza Rosca, J., Hulka, I., Solar radiation synthesis of functional carbonaceous materials using Al₂O₃/TiO₂-Cu-HA doped catalyst, *Applied Surface Science*, 2018, Volume: 438, Pages: 33-40, ISSN: 0169-4332, DOI: 10.1016/j.apsusc.2017.10.092, WOS:000425731200005, IF=4.439.
13. Olah, A., Croitoru, C., Țierean, M.H., Surface properties tuning of welding electrode-deposited hardfacings by laser heat treatment, *Applied Surface Science*, 2018, Volume: 438, Pages: 41-50, ISSN: 0169-4332, DOI: 10.1016/j.apsusc.2017.10.090, WOS:000425731200006, IF=4.439.
14. Stanciu, E.M., Pascu, A., Țierean, M.H., Roata, I.C., Voiculescu, I., Hulka, I., Croitoru, C., Dissimilar Laser Welding of AISI 321 and AISI 1010, *Tehnicki Vjesnik-Technical Gazette*, 2018, Volume: 25, Issue: 2, Pages: 344-349, ISSN: 1330-3651, DOI: 10.17559/TV-20160722151049, WOS:000430936800006, IF=0.644.
15. Pascu, A., Stanciu, E.M., Croitoru, C., Roata, I.C., Țierean, M.H., Carbon Nanoparticle-Supported Pd Obtained by Solar Physical Vapor Deposition, *Advances in Materials Science and Engineering*, 2018, Article ID 4730192, 7 pages, 2018, ISSN: 1687-8434, DOI: 10.1155/2018/4730192, WOS:000426193300001, IF=1.399.
16. Pascu, A., Stanciu, E.M., Voiculescu, I., Țierean, M.H., Roata, I.C., Ocana J.L., Chemical and Mechanical Characterization of AISI 304 and AISI 1010 Laser Welding, *Materials and Manufacturing Processes*, Volume: 31, Issue: 3, Pages: 311-318, ISSN: 1042-6914, DOI: 10.1080/10426914.2015.1025970, WOS:000365670400008, IF=1.419.
17. Stanciu, E.M., Pascu, A., Țierean, M.H., Voiculescu, I., Roata, I.C., Croitoru, C., Hulka, I., Dual Coating Laser Cladding of NiCrBSi and Inconel 718, *Materials and Manufacturing Processes*, Volume: 31, Issue: 12, Pages: 1556-1564, ISSN: 1042-6914, DOI: 10.1080/10426914.2015.1103866, WOS:000381388400003, 1.419.
18. Croitoru, C., Patachia, S., Papancea, A., Baltes, L., Țierean, M., Glass fibres reinforced polyester composites degradation monitoring by surface analysis, *Applied Surface Science*, Volume: 358, Pages: 518-524, Part: B, ISSN: 0169-4332, DOI: 10.1016/j.apsusc.2015.06.070, WOS:000366220500003, IF=3.15.
19. Andrei, O.C., Daguci, C., Scriciu, M., Țierean, M.H., Burlibasa, M., Tanasescu, L.A., Advantages of using acrylic and metal-composite crowns in mandibular single implant restorations – FEA study, *Revista de Materiale Plastice*, Volume: 52, Issue: 4, Pages: 480-483, ISSN: 0025-5289, WOS:000368971900012, IF=0.903.
20. Țierean, M., Baltes, L., Luca, M., Banea, A., Measurements of dynamic Young modulus of AlSi10Mg alloy cast in vibrating field, *Journal of Optoelectronics and Advanced Materials*, Volume: 17, Issue: 11-12, Pages: 1868-1873, ISSN: 1454-4164, WOS:000368046700038, IF=0.383.
21. Costiuc, L., Țierean, M., Baltes, L., Patachia, S., Experimental Investigation on the Heat of Combustion for Solid Plastic Waste Mixtures, *Environmental Engineering and Management Journal*, Volume: 14, Issue: 6, Pages: 1295-1302, ISSN: 1582-9596, DOI: 10.30638/eemj.2015.140, WOS:000360500200007, IF=1.008.

22. Patachia, F.S.C., Catana Damian, L.N., Țierean, M., Baltes, L., Microbial Safety of Plastic Materials Obtained from Wastes, *Environmental Engineering and Management Journal*, Volume: 14, Issue: 6, Pages: 1303-1312, ISSN: 1582-9596, DOI: 10.30638/eemj.2015.141, WOS:000360500200008, IF=1.008.
23. Roman, I.B., Țierean, M.H., Ocaña, J.L., Munteanu, C., Microstructural characterization and friction coefficient after the laser shock processing treatment on AISI 316 L stainless steel welds, *Journal of Optoelectronics and Advanced Materials*, Vol. 15, No. 7- 8, July – August 2013, p. 645–649, ISSN: 1454-4164, WOS:000323397900008, IF=0.563 (corresponding author).
24. Ursutiu, D., Samoila, C., Baltes, L.S., Țierean, M.H., Vekas, L., Jinga, V., Labview in ultrasound plastic materials measurement, *Journal of Optoelectronics and Advanced Materials*, Vol. 15, No. 7- 8, July – August 2013, p. 750 – 754, WOS:000323397900027, IF=0.563.
25. Baltes, L.S., Țierean, M.H., Patachia, S., Investigation on the friction coefficient of the composite materials obtained from plastics wastes and cellulosic fibres, *Journal of Optoelectronics and Advanced Materials*, Vol. 15, No. 7- 8, July – August 2013, p. 785 – 790, WOS:000323397900033, IF=0.563.
26. Rem, P., Di Maio, F., Hu, B., Houzeaux, G., Baltes, L., Țierean, M., Magnetic fluid equipment for sorting of secondary polyolefins from waste, *Environmental Engineering and Management Journal*, Volume: 12, Issue: 5, Pages: 951-958, ISSN: 1582-9596, WOS:000325283100014, IF=1.258 (corresponding author).
27. Moldovan, A., Patachia, S., Vasile, C., Darie, R., Manaila, E., Țierean, M., Natural Fibres/Polyolefins Composites (I) UV and Electron Beam Irradiation, *Journal of Biobased Materials and Bioenergy*, 7, DOI: <http://dx.doi.org/10.1166/jbmb.2013.1273>, p. 58-79, 2013, WOS:000317531600007, IF= 0.586.
28. Oláh, A., Țierean, M.H., Verő B., Research about the properties of metal coating layers, *Metalurgia International*, Special issue vol. XIX no. 2 (2013) ISSN 1582 – 2214, p. 97-99, WOS:000315312100020, IF=0.134.
29. Țierean, M.H., Baltes, L.S., Rem, P.C., Foris, T. Feasibility study of the production of secondary polyolefins from the plastic wastes using magnetic density separation, *Metalurgia International*, Special issue vol. XVIII no. 5 (2013) ISSN 1582 – 2214, p. 149-152, WOS:000315611900030, IF=0.134.
30. Oláh, A., Țierean, M.H., Verő, B., Munteanu, C., Barbinta, A., Influence of laser heat treatment on metal coating layers, *Journal of Optoelectronics and Advanced Materials*, Vol. 15, No. 1- 2, 2013, ISSN 1454-4164, p. 114-120, WOS:000316431300025, IF=0.563 (corresponding author).
31. Roman, I.B., Țierean, M.H., Ocaña, J.L., Effects of laser shock processing on 316L stainless steel welds, *Journal of Optoelectronics and Advanced Materials*, Volume: 15, Issue: 1-2, 2013, Pages: 121-124, ISSN: 1454-4164, WOS:000316431300026, IF=0.563 (corresponding author).
32. Martel Fuentes, O., Mirza Rosca, J. Rodriguez Galindo, E. Baltes, L.S., Țierean, M.H., Electrochemical impedance spectroscopy characterization of passive film formed on Ti-Ta alloys, *Metalurgia International*, Special issue vol. XVIII no. 6 (2013) ISSN 1582 – 2214, p. 18-22, WOS:000315835600004 IF=0.134.
33. Andrei, O.C., Dina, M.N., Mărgărit, R., Țierean, M.H., 3D finite elements analysis of stresses in a 3 unit mandibular metal-ceramic bridge, *Metalurgia International*, vol. XVIII (2013), no. 3, ISSN 1582-2214, p. 132-137, WOS:000313930000030, IF=0.134.
34. Olah, A. Țierean, M.H., Research about the possibilities to increase the hardness of welded coating layers, *Journal of Optoelectronics and Advanced Materials*, Vol. 13, No. 7, July 2011, ISSN 1454-4164, p. 852 – 854, WOS:000294887100021, IF=0.457.
35. Olah, A. Țierean, M.H., Research about influence of nitrocarburizing on metal coating layers, *Metalurgia International*, vol. XVI (2011), issue 5, ISSN 1582-2214, p. 149-152, WOS:000289606200034, IF= 0.084.
36. Țierean, M.H., Adherence of multilayer metal coating of tubes in vibrating field, *Metalurgia International*, vol. XVI (2011), issue 3, ISSN 1582-2214, p. 58-62, WOS:000287889300014, IF= 0.084.
37. Olah, A., Țierean, M.H., Giacomelli, I., Research about the practical diffusion coefficient of nitrogen and carbon at nitrocarburizing, *Metalurgia International*, vol. XVI (2011), issue 1, ISSN 1582-2214, p. 74-76, WOS:000286450700014, IF= 0.084.
38. Machedon Pisu, T., Țierean, M., Baltes, L., Aspects concerning the technical diagnosis of material and welding joints of air conditioning tower in cement industry, *Metalurgia International*, vol. XV (2010), issue 5, ISSN 1582-2214, p. 45-51, WOS:000275625500008, IF=0.154.
39. Toldy, A., Bodzay, B., Țierean, M., Recycling of Mixed Polyolefin Wastes, *Environmental Engineering and Management Journal*, July/August 2009, Vol.8, No.4, p. 967-971, WOS:000269811500058, IF=0.885.
40. Baltes, L., Draghici, C., Manea, C., Ceausescu, D., Țierean, M., Trends in Selective Collection of the Household Waste, *Environmental Engineering and Management Journal*, July/August 2009, Vol.8, No. 4, p. 985-991, WOS:000269811500061, IF=0.885.
41. Țierean, M., Baltes, L., Simulation of Damage in Elastic-plastic Materials Using the Fracture Mechanics Criteria, *Metalurgia International*, vol. XIV (2009), special issue 2, ISSN 1582-2214, p. 155-158, WOS:000265001400038, IF=0.173.

(d2) WoS proceedings:

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2. Stanciu, E.M., Pascu, A., Roata, I.C., Croitoru, C., Tierean, M.H., Laser welding of dissimilar materials, *Materials Today-Proceedings*, Vol: 19, Pages: 1066-1072, Part: 3, ISSN: 2214-7853, DOI: 10.1016/j.matpr.2019.08.022, WOS:000496428200023.
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(f) Contracte internaționale:

(f1) partner team leader:

1. FP7 „Magnetic Sorting and Ultrasound Sensor Technologies for Production of High Purity Secondary Polyolefins from Waste”, acronym W2PLASTICS, project number 212782, topic: ENV-2007-3.1.3-02: New technologies for waste sorting, 2008-2013.
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