

Activitatea științifică

Lucrări indexate ISI/BDI

- **Articole publicate 134 din care: 23 în reviste ISI, 23 ISI Proceedings, 21 în reviste BDI, 12 BDI Proceedings iar 55 în reviste și volumele unor manifestări științifice neindexate**

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2. Ardelean, E; Socalici, A; Pascu, L; Putan, V, Laboratory Researches Regarding Wear of the Composite Materials for Making Brake Shoes, MATERIALE PLASTICE 54(2), pp: 203-206, 2017, ISI Journal, FI 0,778.
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4. Socalici, A; Ardelean, E., Crisan, E., Heput, T., Research on the increase of the reaction surface of self-reducing briquettes, Environmental Engineering and Management Journal, 15(2), 2016, pp.443-451, ISI Journal, FI 1,096
5. Ardelean E, Ardelean M, Drăgoi F, Popa E, Study on continuous casting of steel by sizes, Solid State Phenomena, 2012, nr.188, pg.285-292, indexat ISI.
6. Ardelean E, Ardelean M, Josan A, Pinca C., Contribution on the influence of steel ladle processing (LF) upon the nitrogen removal rate, 2013 International Conference on Applied Sciences, Wuhan, China, 2014, indexat ISI.
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9. Socalici A., Heput T., Ardelean M., Ardelean E., Putan V., Researches regarding practical application of deferrised steelshop slags in agriculture, Journal of Environmental Protection and Ecology, 1, 2010, pp.227-237, ISI Journal, FI 0,178
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11. Ardelean Marius, Socalici Ana, Heput Teodor, Ardelean Erika, Research on obtaining lubricating powder from various types of wastes, Journal of Environmental Protection and Ecology, 2, 2010, pp.593-600, ISI Journal, FI 0,178
12. Ardelean E, Ardelean M, Socalici A, Heput T, Recycling of slag from the aluminium industry to steel refining, Journal of Environmental Protection and Ecology, 2, 2010, pp.635-642, ISI Journal, FI 0,178
13. Ardelean E, Ardelean M, Heput T, Socalici A, Possibilities of recycling the lime-dolomite plant dust, Journal of Environmental Protection and Ecology, 1, 2010, pp.217-226, ISI Journal, FI 0,178
14. Lupu, O., L. Zgripcea, A. Socalici, E. Ardelean, Recovery and valorification of iron from industrial waste, 7th International Conference on Advanced Materials and Structures AMS18, 28-31 Martie 2018, Timișoara, România, ISI Proceedings
15. Socalici A., Pascu, L., Ardelean E., Popa, E, Researches on obtaining composite materials to be used in manufacturing brake pads, International Conference on Applied Sciences, IOP Conference Series-Materials Science and Engineering ICAS, June 03-05, 2015, Military Econ Acad Wuhan, Wuhan, PEOPLES R CHINA, Volume 106, 2015, pp. 012015, ISI Proceedings
16. Cândă L, Hepuț T, Ardelean E, Methods for recovering precious metals from industrial waste, International Conference On Applied Sciences 2015 (ICAS2015), Book Series: IOP Conference Series-Materials Science and Engineering, 2016, indexată ISI.
17. Ardelean E, Ardelean M, Hepuț T, Lăscuțoni A, Technological aspects at continuous casting of semi-finished products with phi 270mm, International Conference On Applied Sciences 2014 (ICAS2014), Book Series: IOP Conference Series-Materials Science and Engineering, 2015, indexată ISI.
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15. Ardelean E., Hărău C., Ardelean M., The Integrated Urban Waste Management in Romania, The 3 th International Conference on Energy, Environment, Devices, Systems, Communications, Computers (INEEE 12), Mathematical Modeling and Simulation in Applied Sciences, Rovaniemi, Finland, pag. 154-157, 2011.
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Brevete

1. Brevet nr. 126946/30.01.2014, Teodor Hepuț, Ana Socalici, Erika Ardelean, Marius Ardelean, Nicolae Constantin, Miron Buzduga, Radu Buzduga, Brichetă tubulară din deșeuri feroase pulverulente, RO126946-A0, RO126946-A8, RO126946-B1, titulari: Universitatea Politehnica Timisoara, Universitatea Politehnica Bucuresti, Centrul de Cercetare, Proiectare si Productie Refractare Alba Iulia, indexat ISI
2. Brevet nr. 127756/30.08.2019 - Teodor Hepuț, Eugen Crișan, Erika Ardelean, Ana Socalici, Marius Ardelean, Brichetă cilindrică multicavă din deșeuri feroase pulverulente, RO127756-A0, RO127756-A8, titular: Universitatea Politehnica din Timisoara, indexat ISI

Granturi și contracte de cercetare

- Granturi de cercetare științifică câștigate prin competiție: **3** din care **1 director**
- Granturi de cercetare științifică câștigate prin competiție: **16** din care **1 director**

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- Grant Nr.24, Research regarding the recycling of the steel plant dust in siderurgic industry/Cercetări privind reciclarea prafului de oțelarie în industria siderurgică, Balkan Environmental Association, 2004, director grant: Prof.dr.ing. Hepuț Teodor
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- Nr. 233, Tehnologie integrată de obținere a unor surse energo-tehnologice neconvenționale utilizate ca materii prime la elaborarea oțelului, Programul Excelență – Proiect de cercetare-dezvoltare complex, 2006/2007/2008, director grant: Prof.dr.ing. Hepuț Teodor
- Nr. 232, Noi materiale refractare cu funcții complexe utilizate în industria oțelului, realizate prin tehnologii moderne, Programul Excelență – Proiect de cercetare-dezvoltare complex, 2006/2007/2008, director grant: Prof.dr.ing. Hepuț Teodor
- Nr. 3194, *Optimizarea regimului termic al oțelului pe traseul cuptor-agregat de tratament secundar-instalație de turnare continuă*, Programul Excelență – Proiect de cercetare pentru tineri cercetători – ET, 2005/2006/2007, director grant: Conf.dr.ing. Ardelean Erika
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Universitatea Tehnică din Cluj-Napoca; Parteneri - Universitatea Transilvania din Brașov, Universitatea „Politehnica” Timișoara. 2012-2013, Coordonator UPT – Prof.dr.ing Radu Vasiu, Ardelean Erika – membru grup tinta

- “Cresterea atractivitatii si performantei programelor de formare doctorala si postdoctorala pentru cercetatori in stiinte ingineresti - ATRACTING”, Cod Contract: POSDRU/159/1.5/S/137070 Coordonator Universitatea Politehnica Timișoara, Parteneri - Universitatea Politehnica din București, Universitatea Transilvania Brașov și Universitatea Tehnică Cluj-Napoca, 2014-2015, Prof. Univ. Dr. Ing. Toma-Leonida Dragomir, Managerul proiectului, Ardelean Erika - Expert pe termen scurt
- “Inserție activă pe piața muncii prin FORmare profesională inovativă în domeniul INGineriei - FORMING”, Cod Contract: POSDRU/125/5.1/S/134003Coordonator Universitatea Politehnica din Bucuresti, Parteneri: Universitatea Politehnica Timisoara, Universitatea ”Lucian Blaga” din Sibiu, Universitatea Tehnică ”Gheorghe Asachi” din Iași, The Red Point S.A, Ascendo, 2015-2016; Responsabil UPT prof.dr.ing. George Draghici, Ardelean Erika – Formator
- Asigură-ți Viitorul prin Educație și Antreprenoriat / AVEA, Nr. 39168 / 29.05.2019, Coordonator Universitatea Politehnica Timișoara, 2019-2020, Manager proiect Prof.dr.ing. Sorin Herban, Ardelean Erika – membru grup țintă

- **Impactul cercetării**

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