LISTĂ DE PUBLICAȚII ȘI PROIECTE PENTRU CIOABLĂ ADRIAN EUGEN

Monografii:

1. ***Cioablă A. E., Dumitrel A.G., Lelea D., Popescu F., (2017) : Biogas in theoretical and experimental applications, Mirton Publishing House, Timisoara, 188 pp.***
2. ***Todor V., Kovacs K., Bagi Z., Ionel I., Cioablă A. E., Neo S.,(2013) : Biofuels and renewable resources. Mirton Publishing House, Timisoara, 224 pp.***

Capitole carte:

1. ***Romero R., Martínez S., Natividad R., Ionel I, Popescu F., Cioablă A. E, Trif-Tordai G., et.al (2011) : Alternative Fuels / Chapter name: Biomass Waste as a Renewable Source of Biogas Production – Experiments, Intech Publishing House, 20 pp.***

Cărți

1. ***Cioablă A.E, Ionel I, (2011): Biogazul, energie pentru viitor, Ed. Politehnica, Timisoara, ISBN 978-606-554-388-1***
2. ***Dorin Lelea, Cioablă Adrian Eugen, Cătălin Nişulescu, (2012) Transfer de căldură cu aplicaţii în microcanale, Ed. Politehnica, Timisoara, 978-606-554-378-2***
3. ***Dorin Lelea, Adrian Eugen Cioablă, (2019) Metode Numerice în Ingineria Mecanică, Editura Politehnica, ISBN 978-606-35-0350-4***

Alte publicații:

A. Publicații în circuitul ISI (selecție)

1. ***Cioabla, AE , Bandur, GN , Trif-Tordai, G , Rusu, GI , Popescu, F , Vetres, I, (2018): Thermochemical properties and kinetic study of residual waters used inside anaerobe fermentation for biogas production, JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, 1225-1236.***
2. ***Nenu, PF, Dungan, LI , Cioabla, AE , Rusu, G , Bandur, GN , Dumitrel, AG , Pode, V (2018): Biomass analysis for combustion applications - case study scenarios, STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, 7 – 20.***
3. ***Cioabla, AE , Popescu, F , Trif-Tordai, G , Dumitrel, AG , Oprisa-Stanescu, PD , Lelea, D (2018) : Sustainable development of romanian cities through biogas production from municipal wastes and application in co-combustion processes, THERMAL SCIENCE, 1071 – 1076.***
4. ***Cioabla, AE , Dumitrel, GA , Ionel, I (2018): Evaluation by kinetic models of anaerobe digestion performances for various substrates and co-substrates, REVISTA DE CHIMIE, 2614 – 2617.***
5. ***Cioabla, AE , Djuric, A., Dumitrel, GA, Chirila D., Pode V. (2017) :Biogas production using waste waters - influence of process parameters for test rig at laboratory scale, STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, 51 – 60.***
6. ***Cioabla, AE , Pop, N , Trif-Tordai, G , Calinoiu, DG, (2017): Comparative analysis of agricultural materials influenced by anaerobic fermentation for biogas production in terms of ash melting behavior, Journal of Thermal Analysis and Calorimetry, 515 – 523.***
7. ***Adrian Cioabla, AE , Pop, N , Trif-Tordai, G , Calinoiu, DG, (2014), An experimental approach to the chemical properties and the ash melting behavior in agricultural biomass, Journal of Thermal Analysis and Calorimetry, 421 – 427.***
8. ***Cioabla, AE , Ionel, I , Tenchea, A , Dumitrel, GA , Pode, V, (2013): Solid biofuel database - potential of using vegetal biomass in biogas production, REVISTA DE CHIMIE, 186 – 190.***
9. ***Cioabla, AE , Ionel, I , Bisorca, D , Neamt, I , Dumitrel, GA , (2013): Small scale biogas production using residual sludge as substrate, Journal of Environmental Protection and Ecology, 1777 – 1784.***
10. ***Cioabla, AE , Ionel, I , Popescu, F, (2012): Comparative results in biogas production using municipal biodegradable waste for green gas emissions reduction, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, 329 – 335.***
11. ***Cioabla, AE , Trif-Tordai, G, Rotaru P, Socaciu M, Ionel I., (2012) Experimental approach of co-firing and anaerobic fermentation of biomass and coal, and their thermochemical properties, Journal of Thermal Analysis and Calorimetry, 395 – 403.***
12. ***Padure, G ., Irimescu, A , Calin, L , Trif-Tordai, G , Cioabla, AE , Vetres, I, (2012):* Initial theoretical development of an isobutanol-methane dual fuel system for a spark ignition engine, JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, *1053 – 1060.***
13. ***Cioabla, AE, Ionel I, Dumitrel, GA, Popescu F, (2012): Comparative study on factors affecting anaerobic digestion of agricultural vegetal residues, Biotechnology for Biofuels, 1-8.***

14. *Cioabla, AE , Ionel, I, (2011): Biomass waste as a renewable source of biogas production – experiments, ALTERNATIVE FUEL, 201 – 226.*
15. *Irimescu, A , Trif-Tordai, G , Cioabla, AE , Vetres, I, (2011): Carbon dioxide emissions reduction potential of cogeneration plants fuelled with biogas, JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, 1201 – 1207.*
16. *Lelea, D , Cioabla, AE, (2011) : The developing heat transfer and fluid flow in microchannel heat sink with viscous heating effect, Heat and Mass transfer, 751 – 758.*
17. *Cioabla, AE , Ionel, I , Trif-Tordai, G, (2010): Theoretical study regarding the importance of biomass in obtaining biogas using the anaerobic fermentation process, ADVANCES IN BIOLOGY, BIOENGINEERING AND ENVIRONMENT - Proceedings on Cellular and Molecular Biology Biophysics and Bioengineering.*
18. *Lelea, D , Cioabla, AE, (2010): The viscous dissipation effect on heat transfer and fluid flow in micro-tubes, International Communications in Heat and Mass Transfer, 1208 – 1214.*
19. *Cioabla, AE, Ionel I,, Popescu F, (2010) : Study connected with wood residues behaviour during anaerobic fermentation process, Environmental Engineering and Management Journal, 1411 – 1416.*
20. *Laza I, Cioabla A.E., (2009): Study regarding the reduction of the energetic consumption for compressed air networks, JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, 1155 – 1161.*

B. Lucrări publicate la conferințe internaționale (selecție)

1. *Cioablă A. E., Ionel I., Dumitrel G.A., Vasilescu M.D. (2017): Comparative study concerning anaerobic fermentation of degraded cereals, 25th European International Biomass Conference, Stockholm, Sweden.*
2. *Varga L.A., Cioablă A.E., Ionel I, (2016): Biogas production from waste waters through anaerobic cofermentation processes at laboratory scale, 24th European International Biomass Conference, Amsterdam, Netherlands*
3. *Cioabla A.E., Ionel I, Neamt I, (2014): Experimental approach concening the use of residual waters in anaerobic fermentation process for biogas production, 22nd European International Biomass Conference, Hamburg, Germany*
4. *Cioablă A.E., Ionel I., Lascu M., (2014): Educational biogas Installation monitoring using virtual instrumentation concepts, 2014 Frontiers in Education Conference, Madrid, Spain.*
5. *Cioablă A.E,.Wojcik M., Ionel I., Vetreş I., (2012): Process parameters and characteristics for a cereal mixture during anaerobic fermentation. comparative results with different biomass substrates, 20th European biomass conference and exhibition, 18-22 June, Milano, Italy.*
6. *Cioablă A.E, Ionel I., Vetreş I.,(2011): Experimental study related with the degradation effect over degraded barley during the anaerobic fermentation process, 19th European biomass conference and exhibition, Berlin, Germany, 06-10 June.*
7. *Cioablă A.E., Lelea D., Popescu F., Trif-Tordai G., Dumitrel G.A., (2016): Comparative results in anaerobic fermentation of some agro-industrial recipes inside a pilot installation, Proceedings of V International Conference „ECOLOGY OF URBAN AREAS", Zrenjanin, Serbia.*
8. *Trif Tordai G., Cioablă A.E., Calinoiu D.G., (2016): Statistical analysis for biogas production from two different batches under the same conditions, Proceedings of V International Conference „ECOLOGY OF URBAN AREAS", Zrenjanin, Serbia.*
9. *Cioablă A.E., Lelea D, Pavlovic M, Popescu F, Bagi Z, (2015): Comparative analysis of biogas production from urban waste waters substrates: case study for Timisoara City, Proceedings of 5th International Conference on solid waste management, IconSWM, Bangalore, India.*
10. *Cioablă A.E., Dumitrel A.G., Popescu F. Trif Tordai G, Călinoiu D.G., Djuric A., Lelea D., PopN., (2014) : Comparative study for the degradation process on two types of biomass at laboratory scale, 4th International Conference Ecology of urban areas, Zrenjanin, Serbia.*

C. Publicații în circuitul BDI (selecție)

1. *Cioablă A.E., Dumitrel A.G., (2016): Experimental Approach in Biogas Production from Agricultural Substrates, Chemical Bulletin of Politehnica University Timisoara.*
2. *Cioablă A.E., Dumitrel A.G.,Tucu D., (2013): Factors affecting the performances of biomass anaerobic digestion process, Chemical Bulletin of Politehnica University Timisoara.*

D. Brevete invenție

1. Savu A., Ionel I., Fluturas M, Savu B, Popescu F, Lontis N, Cioablă A.E., Matei A, Barboni V, Installation for producing biogas from municipal biodegradable wastes, patent No. RO125718B1, publication date 29.06.2012.

E. Participare în cadrul proiectelor

- ***Director de proiect: Valorificarea potențialului energetic al reziduurilor agro-industriale prin procese de biodegradare si arderea catalitica a biogazului rezultat, PN-II-RU-TE-2014-4-1043, 2015 – 2017***
- ***Sustainable development of an research center in Banat region and Danube flow area through scientific research and environmental simulation tools to asses and evaluate potential threats, ENVIROBANAT, Romania – Republic of Serbia IPA Cross-border Cooperation Programme, 2013 - 2014***
- ***Cross-border joint RDI in the field of biogas production, a suitable renewable energy carrier for Hungary and Romania; Acronym RESGAS2011 - HU-RO Cross-Border Co-operation Programme 2007-2013,HURO 1001/193/2.2.2; 2012 - 2013***
- ***ROMANIAN ATMOSPHERIC RESEARCH 3D OBSERVATORY, NORWEGIAN COOPERATION PROGRAMMESTVES - 2008/115266, 2009 – 2011***
- ***FUNDAMENTAL RESEARCH OF THE THERMAL AND FLUID DYNAMICS PHENOMENONS IN COOLING MICRO-DEVICES, PCE-IDEI, Project no. 670 / 2009, 2009 – 2011***
- ***ROMANIAN LIDAR NETWORK, PN-II, No 31-002, 2009 – 2011***
- ***EPOC – Energie pentru un oraș curat PNCD-II, No 22131, 2009 – 2011***