

LISTA DE LUCRĂRI¹

a) lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii, care sunt incluse în format electronic în dosar și care se pot regăsi și în celelalte categorii de lucrări prevăzute articolul nr. 15 din HG nr. 457/2011²

a.1. **Kaolinite adsorption-regeneration system for dyestuff treatment by Fenton based processes**, Rosales E, Anasie D, Pazos M, **Lazar I**, Sanromán MA, *Science of Total Environment*, ISSN 0048-9697, 622-623:556-562 (2017), doi: 10.1016/j.scitotenv.2017.11.301, FI=4.9; SRI=1.940

a.2. **Effects of study levels on students' attitudes towards interactive whiteboards in higher education**, Liliana Mata, Gabriel Lazar, **Iuliana Lazar**, *Computers in Human Behavior*, ISSN 0747-5632, 54: 278-289 (2016), DOI10.1016/j.chb.2015.07.044, FI=3.435; SRI=1.947

a.3. **Spectral and chemometric analyses reveal antioxidant properties of essential oils from four Cameroonian Ocimum**, Jean Baptiste Fokou Houndou, Pierre Michel Dongmo Jazeta, Gabriel Lazar, Dumitra Răducanu, Iuliana Caraman, Emmanuel Bassene, Fabrice Fekam Boyom, **Iuliana Mihaela Lazar**, *Industrial Crops and Products*, ISSN 0926-6690, 80:101-108 (2016), doi.org/10.1016/j.indcrop.2015.09.077, FI=3.181; SRI=2.486

a.4. **Effect of Essential Oils on Germination and Growth of Some Pathogenic and Spoilage Spore-Forming Bacteria**, Voundi SO, Nyegue M, **Lazar I**, Raducanu D, Ndoye FF, Stamate M, Etoa FX, *Foodborne Pathogens and Disease*, ISSN 1535-3141, 12(6):551-9 (2015), doi: 10.1089/fpd.2014.1892, FI=2.270; SRI=1.788

a.5. **Spectral Investigation of Phosphorus Compounds in Spinacia Oleracea Using Fourier Transform Infrared Method**, Iuliana Caraman, Sorina Zirnea, Dumitra Raducanu, Gabriel Lazar, **Iuliana Lazar**, *Spectroscopy Letters*, ISSN 0038-7010, 48(10), 726-731, (2015) FI=0.885; SRI=0.353 doi.org/10.1080/00387010.2014.993477

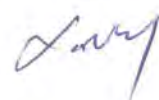
a.6. **Protective effect of edible Cucurbitaceae seed extract from Cameroon against oxidative stress**, Kamda, A. G. S., Fokou, E., Loh, M. B. A., Raducanu, D., Kansci, G., Ifrim, I. & **Lazar, I.** (autor principal), *Environmental Engineering and Management Journal*, ISSN 1582-9596, 2014, 13(7),1721-1727, FI=1.065; SRI=0.111 Accession Number: WOS:000344577400021

a.7. **Spatial and seasonal ecological status of fresh water evaluated by multivariate analyses**, Nechifor, R., Faciu, M.-E., Dascalita, D., Ureche, C., Ureche, D. & **Lazar, I.**, *Environmental Engineering and Management Journal*, ISSN 1582-9596, 2014, 13(7),1641-1656, FI=1.065; SRI=0.111 Accession Number: WOS:000344577400012

a.8. **Macro and ultra-micro scale changes of rapeseed seedlings germinated from seeds exposed to UVA-VIS radiations**, **Lazar Iuliana Mihaela**, Ifrim Irina Loredana, Nicuta Daniela, Nistor Denisa, Lazar Gabriel, *Environmental Engineering and Management Journal*, ISSN 1582-9596, 2013, 12(1), 49-57, FI=1.258; SRI=0.142 Accession Number:

¹ Au fost selectate publicațiile din ultimii 5 ani și cele relevante pentru disciplinele din postul didactic scos la concurs

² Au fost selectate exclusiv publicațiile din ultimii 5 ani relevante pentru activitatea didactică și de cercetare în acord cu disciplinele din postul didactic scos la concurs



a.9. **Modifications induced by UV-VIS irradiation on DNA extract of kiwifruit investigated by spectroscopic and statistical methods**, Iuliana Mihaela Lazar, Irina Loredana Ifrim, Luminita Grosu, Gabriel Lazar, *Spectroscopy Letters*, ISSN 0038-7010, 46: 81–86 (2013)
FI=0.718; SRI=0.305 doi.org/10.1080/00387010.2012.668742

a.10. **ATR-FTIR characterization and classification of avocado oils from five Cameroon cultivars extracted with a friendly environmental process**, Foudjo Brice Ulrich Saha, Kansci Germain, Iuliana⁴ Mihaela Lazăr, Lazar Gabriel, Fokou Elie, Etoa Francois-Xavier, *Environmental Engineering and Management Journal*, ISSN 1582-9596, 2013, 12(1), 97-103, FI=1.258; SRI=0.142 Accession Number: WOS:000317803300012

b) teze master/doctorat/abilitare

b.1. Teza master de cercetare în Biofizică și Biotehnologiei celulare, domeniul Sănătate

Titlul tezei:

«*Comportamentul dielectroforetic al celulelor murine B16F10 in prezenta Gentamicinei. Analiza biostatistica a variabilelor experimentale*»

Teza a fost susținută în ședință publică, la Universitatea de Medicină și Farmacie „Carol Davila”, Facultatea de Medicină, Catedra de Masterat de Biofizică și Biotehnologie Celulară, la data de 27 septembrie **2012**. Coordonatorii programului masteral au fost prof. dr. Eugenia Kovacs și prof.dr. Tudor Savopol, iar coordonatorul științific al tezei masterale a fost conf. dr. Mihaela Moisescu.

b.2.1 Teza de doctorat în domeniul Fizică

Titlul tezei:

«*Contribuții la studiul proprietăților electrice și optice ale straturilor subțiri de a-Si:H*»

Teza a fost susținută în ședință publică, la Universitatea „Alexandru Ioan Cuza” Iași, la data de 22 mai 1999. Conducătorul științific al tezei doctorale a fost prof. dr. Ilie Bursuc.

Teza a fost confirmată de către Ministerul Educației și Cercetării în anul **2000**, prin Ordinul nr: 3337/8.03.2000.

b.2.2 Teza de doctorat în domeniul Științele Educației³

Data înmatriculării: **1.10.2015**;

IOSUD: Universitatea din București, Facultatea de Psihologie și Științele Educației, Școala Doctorală Științele Educației.

Titlul tezei: «*Investigații privind relația dintre nivelul aspirațional al cursanților și acceptarea tehnologiilor moderne în procesul de învățământ*»

În prezent au fost susținute 4 rapoarte intermediare de cercetare prevăzute în cadrul planului individual al activității de pregătire doctorale: „*Profilul aspirațional al cursantului. Abordare multidisciplinară*”, „*Tehnologii moderne utilizate în educație. Concept și dinamică*”, „*Designul cercetării privind relația dintre nivelul aspirațional al cursanților și acceptarea tehnologiilor moderne*” și „*Rezultate preliminare din cercetarea nivelului aspirațional al cursanților în relație cu acceptarea tehnologiilor moderne*”

b.3. Teza de abilitare în domeniul Ingineria Mediului

Titlul tezei:



³ Stadiul tezei: finalizare pentru susținerea publică

4
«Environmental monitoring at ultra-micro and micro scale using spectroscopic and dielectrophoretic techniques»

Teza a fost susținută în ședință publică, la Universitatea Tehnică „Gheorghe Asachi” din Iași, la data de 7 martie 2013. Teza a fost confirmată de către Ministerul Educației Naționale în anul 2013, prin Ordinul nr: 4104MD/05.07.2013.

d. *Cărți și capitole în cărți*

d.1. Teachers' Guide to Differentiated Instruction, May 2017, Edition: 2017, Publisher: DiDeSu Erasmus Plus Partners - Cyprus Pedagogical Institute, University of Granada, "Vasile Alecsandri" University of Bacau, Slovenian Educational Research Institute (ERI), Authors in alphabetical order: Maria-Bermudez-Martinez, Ioana Boghian, Venera-Mihaela Cojocariu, Gabriel Lazar, **Iuliana Lazar**, José Antonio Liébana Checa, Liliana Mata, Lefkios Neophytou, Pilar Núñez Delgado, Efi Papanastasiou, Tina Rutar Leban & Stavroula Valiandes, Editor: Stavroula Valiandes, Lefkios Neophytou, Published by the Cyprus Pedagogical Institute, 2017, Nicosia, Cyprus, ISBN: 978-9963-0-9187-4, 212 pagini

d.2. Utilizarea platformelor educaționale interactive online, **Iuliana Mihaela Lazăr** (coordonator), Liliana Mata, Maria-Ema Faciu, Marius Stamate, Venera Cojocariu, Elena Nechita, Adriana Mălureanu, Călin Mateian, Gabriel Lazăr, Editura Alma Mater Bacău, cotată CNCSIS, ISBN 978-606-527-429-7, 2014, 162 pagini

d.3. Student's Expectations to Using Interactive Whiteboards, Liliana Mata, **Iulia Lazar**, Alina Diaconescu, Gabriel Lazăr, in Educational Activities from Higher Education, in Scientific Computing, Communicability and Cultural Heritage: Future Trends in Software and Interactive Design, Francisco V. C. Ficarra (Main Editor), ISBN: 978-88-96471-11-1; DOI: 10.978.8896471/111, 2013, 20 pagini

d.4. Optica geometrica din trecut până astăzi, **Iuliana Mihaela Lazar**, 2009, Bacau: Editura Alma Mater, ISBN: 978-606-527-035-0, 108 pagini

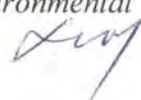
d.5. Fizică - Teorie și aplicații, Gh. Călugăru, S.Istrate, E.Horga, D.Horga, I.Vascan, G.Lazăr, M.Stamate, **I.Lazăr**, 2 vol. (1-227p; 228-430p.), Rotaprint executat la Universitatea din Bacău în anul 1994, total 430 pagini

e) *articole/studii in extenso, publicate în reviste din fluxul științific internațional principal (reviste cotate ISI)*

e.1. Kaolinite adsorption-regeneration system for dyestuff treatment by Fenton based processes. Rosales E, Anasie D, Pazos M, Lazar I, Sanromán MA, *Science of Total Environment*, ISSN 0048-9697, 2017 Dec 6;622-623:556-562, FI=4.9; SRI=1.940doi: 10.1016/j.scitotenv.2017.11.301.

e.2. Assessment of Mn Pollution in Bacau, Romania and its relation to multiple covariates, Gabriel Lazar, Maria-Ema Faciu, Peter M Atkinson, Irina Ifrim, Iuliana Lazar, *Fresenius Environmental Bulletin*, ISSN 1018-4619 Volume 26 – No. 4/2017, pages 2879-2884 FI 0.425; SRI=0.120 Accession Number: WOS:000400806100050

e.3. Heavy metals and gamma radioactivity bioaccumulation in ARTEMISIA ABSINTHIUM L. grown on a waste dump, Mioara Săndulache Rachieru, Maria-Ema Faciu, Irina Ifrim, Ioana Stefanescu, Azlan Kamari, Marius Stamate, Iuliana Lazăr, *Environmental*



Engineering and Management Journal, ISSN 1582-9596, 16(4): 859-867 (2017): FI=1.096; SRI=0.131 Accession Number: WOS:000405831300011

e.4. **Effects of study levels on students' attitudes towards interactive whiteboards in higher education**, Liliana Mata, Gabriel Lazar, Iuliana Lazar (autor principal), *Computers in Human Behavior*, ISSN 0747-5632, 54: 278-289 (2016):FI=3.435; SRI=1.947
DOI10.1016/j.chb.2015.07.044

e.5. **Spectral and chemometric analyses reveal antioxidant properties of essential oils from four Cameroonian Ocimum**, Jean Baptiste Fokou Houndou, Pierre Michel Dongmo Jazeta, Gabriel Lazar, Dumitra Răducanu, Iuliana Caraman, Emmanuel Bassene, Fabrice Fekam Boyom, Iuliana Mihaela Lazar, *Industrial Crops and Products*, ISSN 0926-6690, 80:101-108 (2016), FI=3.181; SRI=2.486, doi.org/10.1016/j.indcrop.2015.09.077

e.6. **Eco-innovative technologies for mitigating gaseous emissions from wastewater collection systems**, Iulia Carmen Ciobotici Terry, Andreea Cocarcea Rusei, Marius Stamate, Iuliana Lazar, *Environmental Engineering and Management Journal*, ISSN 1582-9596, 15(3):613-625 (2016) FI=1.096; SRI=0.131
Accession Number: WOS:000376876400016

e.7. **Effects of different sanitization treatments on soil characteristics**, Dumitra Raducanu, Ioana Stefanescu, Irina Ifrim, Oana-Irina Patriciu, Ioan Viorel Rati, Maria Prisecaru, Marius Stamate, Iuliana Lazar, *Environmental Engineering and Management Journal*, ISSN 1582-9596, 15(3), 15(3):624-634 (2016) FI=1.096; SRI=0.131
Accession Number: WOS:000376876400017

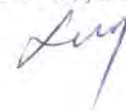
e.8. **Identifying historic pollution on Lake Bacau I, Romania using GIS and satellite images**, Maria-Ema Faciu, Oana Acatrinei-Insuratelu, Liliana Mata, Elena-Petronela Bran, Marius Popescu, Ciprian Sandu, Ionel-Marius Nadejde, Venera Mihaela Cojocariu, Iuliana Lazar (autor principal), *Environmental Engineering and Management Journal*, ISSN 1582-9596, 15(3):645-653 (2016) FI=1.096; SRI=0.131
Accession Number: WOS:000376876400019

e.9. **Effect of Essential Oils on Germination and Growth of Some Pathogenic and Spoilage Spore-Forming Bacteria**, Voundi SO, Nyegue M, Lazar I, Raducanu D, Ndoye FF, Stamate M, Etoa FX, *Foodborne Pathogens and Disease*, ISSN 1535-3141, 12(6):551-9 (2015) FI=2.270; SRI=1.788 DOI: 10.1089/fpd.2014.1892

e.10. **Spectral Investigation of Phosphorus Compounds in Spinacia Oleracea Using Fourier Transform Infrared Method**, Iuliana Caraman, Sorina Zirnea, Dumitra Raducanu, Gabriel Lazar, Iuliana Lazar (autor principal), *Spectroscopy Letters*, ISSN 0038-7010, 48(10), 726-731, 2015; FI=0.885; SRI=0.353 doi.org/10.1080/00387010.2014.993477

e.11. **Technical solution to reduce soil erosion produced by Tazlau River in Tarata perimeter, Romania**, Stelian Cartacuzencu, Iuliana Lazar, Valentin Nedeff, Gabriel Lazar, *Environmental Engineering and Management Journal*, ISSN 1582-9596, 2014, 13(8), 1971-1978, FI=1.065; SRI=0.111 Accession Number: WOS:000345902900016

e.12. **Conventional vs. vacuum sewerage system in rural areas - an economic and environmental approach**, Terry Iulia Carmen Ciobotici; Lazar Iuliana; Nedeff Valentin; Lazar Gabriel, *Environmental Engineering and Management Journal*, ISSN 1582-9596, 2014,



13(8), 1847-1859, FI=1.065; SRI=0.111 Accession Number: WOS:000345902900002

e.13. **Exploratory spatial data analysis of heavy metals concentration in two sampling sites on Siret River**, Faciu Maria Ema; Lazar Iuliana (autor principal); Ifrim Irina; Ureche Camelia; Lazar Gabriel, *Environmental Engineering and Management Journal*, ISSN 1582-9596, 2014, 13(9), 2179-2186, FI=1.065; SRI=0.111 Accession Number: WOS:000347161400008

e.14. **Protective effect of edible Cucurbitaceae seed extract from Cameroon against oxidative stress**, Țamda, A. G. S., Fokou, E., Loh, M. B. A., Raducanu, D., Kansci, G., Ifrim, I. & Lazar, I., *Environmental Engineering and Management Journal*, ISSN 1582-9596, 2014, 13(7),1721-1727, FI=1.065; SRI=0.111 Accession Number: WOS:000344577400021

e.15. **Spatial and seasonal ecological status of fresh water evaluated by multivariate analyses**, Nechifor, R., Faciu, M.E., Dascalita, D., Ureche, C., Ureche, D. & Lazar, I., *Environmental Engineering and Management Journal*, ISSN 1582-9596, 2014, 13(7),1641-1656, FI=1.065; SRI=0.111 Accession Number: WOS:000344577400012

e.16. **Ecotoxicological assessment of anaerobic stabilized sewage sludge subjected to sanitization treatments**, Raducanu, D., Stefanescu, I., Ifrim, I., Zirnea, S., Nicuta, D., Rati, V. & Lazar, I (autor principal), *Environmental Engineering and Management Journal*, ISSN 1582-9596, 2014, 13(7),1693-1706, FI=1.065; SRI=0.111 Accession Number: WOS:000344577400018

e.17. **ATR-FTIR characterization and classification of avocado oils from five Cameroon cultivars extracted with a friendly environmental process**, Foudjo Brice Ulrich Saha, Kansci Germain, Iuliana Mihaela Lazăr, Lazar Gabriel, Fokou Elie, Etoa Francois-Xavier, *Environmental Engineering and Management Journal*, ISSN 1582-9596, 2013, 12(1), 97-103 FI=1.258; SRI=0.142 Accession Number: WOS:000317803300012

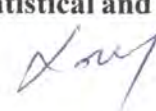
e.18. **Changes in growth of wheat plantlets induced by the action of thiamethoxam and thiophanate-methyl on seeds**, Nicuta Daniela, Badaluta Nicoleta, Lazar Gabriel, Lazar Iuliana Mihaela, *Environmental Engineering and Management Journal*, ISSN 1582-9596, 2013, 12(1), 85-96, FI=1.258; SRI=0.142 Accession Number: WOS:000317803300011

e.19. **New experimental parameters for monitoring energy spectra of gamma-ray radiations in the environment**, Marius Stamate, Iuliana Mihaela Lazar, *Environmental Engineering and Management Journal*, ISSN 1582-9596, 12 (1), 105-113 (2013) FI=1.258; SRI=0.142 Accession Number: WOS:000317803300013

e.20. **Macro and ultra-micro scale changes of rapeseed seedlings germinated from seeds exposed to UVA-VIS radiations**, Lazar Iuliana Mihaela, Ifrim Irina Loredana, Nicuta Daniela, Nistor Denisa, Lazar Gabriel, *Environmental Engineering and Management Journal*, ISSN 1582-9596, 2013, 12(1), 49-57, FI=1.258; SRI=0.142 Accession Number: WOS:000317803300007

e.21. **Modifications induced by UV-VIS irradiation on DNA extract of kiwifruit investigated by spectroscopic and statistical methods**, Iuliana Mihaela Lazar, Irina Loredana Ifrim, Luminita Grosu, Gabriel Lazar, *Spectroscopy Letters*, ISSN 0038-7010, 46: 81-86 (2013) FI=0.718; SRI=0.305 doi.org/10.1080/00387010.2012.668742

e.22. **Effects of the environmental stress on two fish populations revealed by statistical and**



spectral analysis, Gabriel Lazar, Dorel Ureche, Irina Loredana Ifrim, Marius Stamate, Camelia Ureche, Valentin Nedeff, Ileana Denisa Nistor, Adriana Luminita Finaru, Iuliana Mihaela Lazar, *Environmental Engineering and Management Journal*, ISSN 1582-9596, 11 (1): 109-125 (2012) FI:1.117 Accession Number: WOS:000301546400016

e.23. **Evaluation of growth parameters and spectroscopic indexes of canola from seeds subjected to non- ionizing radiation stress**, Iuliana Mihaela Lazar, Irina Loredana Ifrim, Daniela Nicuta, Marius Stamate, *Environmental Engineering and Management Journal*, ISSN 1582-9596, 11(12): 2211-2221 (2012) FI:1.117 Accession Number: WOS:000314169000012

e.24. **Length-weight relationships and Fulton's condition factor for nine species of fish captured from the basin of River Casin including some of its tributaries**, Dorel Ureche, Camelia Ureche, Iuliana Lazar, *Environmental Engineering and Management Journal*, ISSN 1582-9596, 11(12): 2275-2283 (2012) FI:1.117 Accession Number: WOS:000314169000019

e.25. **The risk of myocardial infarction revealed by variation of cardiac troponin I levels with age and gender: a case study in the Bacau County Hospital**, Laura Vasile, Vlad Artenie, Iuliana Mihaela Lazăr, *Environmental Engineering and Management Journal*, ISSN 1582-9596, 11(12): 2285-2292 (2012) FI:1.117 Accession Number: WOS:000314169000020

e.26. **Multi-response optimization of aqueous oil extraction from five varieties of Cameroon-grown avocados**, B.U. SAHA Foudjo, G. Kansci, Elie Fokou, Iuliana Mihaela Lazar, François-Xavier Etoa, *Environmental Engineering and Management Journal*, ISSN 1582-9596, 11(12): 2257-2263 (2012) FI:1.117 Accession Number: WOS:000314169000017

f) *publicații in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate (ISI proceedings)*

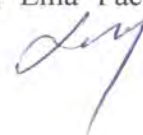
f. 1. **ENO interactive whiteboards as an innovative eco-technology solution in teaching Science and Technological subjects**, Liliana Mata, **Iuliana Lazar**, Valentin Nedeff and Gabriel Lazar, APCBEE Procedia 5 (2013) 312 – 316, ICESD 2013: January 19-20, Dubai, UAE Accession Number: WOS:000361484500053

f.2. **Possible environmental risks of photocatalysis used for water and air depollution case of phosgene generation**, Traian Vasilache, **Iuliana Lazar**, Marius Stamate, Valentin Nedeff and Gabriel Lazar, APCBEE Procedia 5 (2013) 181 – 185, ICESD 2013: January 19-20, Dubai, UAE Accession Number: WOS:000361484500032

f.3. **Cluster Analysis Based of Geochemical Properties of Phosphogypsum Dump Located Near Bacau City in Romania**, Sorina Zirnea, **Iuliana Lazar**, Brice Ulrich Saha Foudjo, Traian Vasilache and Gabriel Lazar, APCBEE Procedia 5 (2013) 317 – 322, ICESD 2013: January 19-20, Dubai, UAE Accession Number: WOS:000361484500054

f.4. **The Romanian e-learning services reported in the European context**, Maria-Ema Faciu, Marius Stamate, **Iuliana Mihaela Lazar**, Gabriel Lazar, EDULEARN13 Proceedings, 5th International Conference on Education and New Learning Technologies, July 1st-3rd, 2013 — Barcelona, Spain, p. 3383-3389, ISBN 978-84-616-3822-2 Accession Number: WOS:000346798303057

f.5. **Designing a template for scriptwriting e-learning units for the curricular area of technology**, Gabriel Lazar, Adriana Malureanu, Venera-Mihaela Cojocariu, Ema Faciu,



Valentin Nedeff, **Iuliana Lazar**, EDULEARN13 Proceedings, 5th International Conference on Education and New Learning Technologies, July 1st-3rd, 2013 — Barcelona, Spain, p. 3390-3395, ISBN 978-84-616-3822-2 Accession Number: WOS:000346798303058

f.6. **Integrated teaching and learning methods in environmental sciences using interactive ceramic whiteboards with integrated sound (ēno) and Spark Science Learning System**, **Iuliana Lazar**, Liliana Mata, Irina Ifrim, Calin Mateian, Gabriel Lazar, EDULEARN13 Proceedings, 5th International Conference on Education and New Learning Technologies, July 1st-3rd, 2013 — Barcelona, Spain, p. 3396-3402, ISBN 978-84-616-3822-2 Accession Number: WOS:000346798303059

f.7. **Green products theme as learning subject**, Valentin Nedeff, Vassilis Inglezakis, **Iuliana Lazar**, Mirela Panainte, Emilian Mosnegutu, Iuliana Caraman, Gabriel Lazar, EDULEARN13 Proceedings, 5th International Conference on Education and New Learning Technologies, July 1st-3rd, 2013 — Barcelona, Spain, p. 3403-3408, ISBN 978-84-616-3822-2 Accession Number: WOS:000346798303060

f.8. **SWOT Anlysis of E-learning Educational Services from the Perspective of their Beneficiaries**, Venera-Mihaela Cojocariu, **Iulia Lazar**, Valentin Nedeff, Gabriel Lazar, DOI:10.1016/j.sbspro.2014.01.510, Procedia – Social and Behavioral Sciences, Volume 116, Pages 1999–2003, 2014 Accession Number: WOS:000335471202019

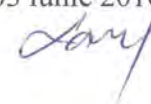
f.9. **Present Stage of Programmes for Distance and Part-time Studies in Romanian Universities**, Doina Păcurari, Laura Țimiraș, Alina Diaconescu, **Iulia Lazăr**, Procedia - Social and Behavioral Sciences, Volume 116, 21 February 2014, Pages 3947-3951 Accession Number: WOS:000335471204012

f.10. **Educational virtual lab in biogas production - risk assessment scale proposal**, Andreea Cocarcea, Maria-Ema Faciu, Liliana Mata, Gabriel Lazar, **Iuliana Lazar**, Proceedings of ICERI2015 Conference 16th-18th November 2015, Seville, Spain, pp.4954-4963, 2015, ISBN: 978-84-608-2657-6, Series ISSN: 2340-1095 Accession Number: WOS:000377304005008

f.11. **Effect of interactive teaching and learning approach on undergraduate students' performance in physics**, Marius Stamate, Venera-Mihaela Cojocariu, Liliana Mata, Oana Acatrinei, Elena Goldan, Ana-Maria Maxim, **Iuliana Mihaela Lazar**, Proceedings of ICERI2015 Conference 16th-18th November 2015, Seville, Spain, pp. 4964-4971, 2015, ISBN: 978-84-608-2657-6, Series ISSN:2340-1095 Accession Number: WOS:000413668604092

f.12. **In-Service Romanian Teachers' Needs Related To the Use of Interactive Educational Platforms**, Cojocariu V.-M., Mata L., Faciu M.-E., **Lazar I.**, în Proceeding of the 7th LUMEN International Conference - MEPDEV 2015 Multidimensional Education and Professional Development. Ethical Values 12-14 November, 2015 - Targoviste (Romania), coordinated by Antonio Sandu, Ana Frunza, Tomita Ciulei & Laura Gorghiu, Editografica (former Medimond), Italy, 2016, ISBN: 978-88-7587-736-1, p.141-146 Accession Number: WOS:000391521600027

f.13. **Evaluating teachers' attitude regarding implementation of mixed resources at class**, Faciu, M. E., **Lazăr, I.**, Măță, L., Lazăr, G., Proceedings of the 13th International Conference Efficiency and Responsibility in Education, Book Series: Efficiency and Responsibility in Education, Edited by:Flegl, M; Houska, M; Krejci, I, Praga, Czech Republic, 02-03 iunie 2016,



ISBN:978-80-213-2646-0, pages: 105-112 Accession Number: WOS:000389901400013

f.14. **Exploring interactive whiteboards impact on pedagogical competences development**, Măță, L., Lazăr, G., Lazăr I., Proceedings of the 13th International Conference Efficiency and Responsibility in Education, Book Series: Efficiency and Responsibility in Education, Edited by: Flegl, M; Houska, M; Krejci, I, Praga, Czech Republic, 02-03 iunie 2016, ISBN:978-80-213-2646-0, pages: 357-365 Accession Number: WOS:000389901400045

g) *alte lucrări și contribuții științifice (lucrări relevante publicate în reviste BDI sau prezentate în cadrul unor conferințe naționale și internaționale)*

g.1. **Wheat flour humidity variation with UV-VIS radiation dose revealed by spectral and chemometric studies**, **Iuliana Mihaela Lazar**, Alina Mihaela Moroi, Irina Loredana Ifrim, Nicoleta Vartolomei, Alisa-Vasilica Aruș, *Scientific study & research chemistry, chemical engineering, biotechnology, food industry*, 13(2), 253 – 262 (2012)
<http://pubs.ub.ro/?pg=revues&rev=csc6&num=201202&vol=2&aid=3630>

g.2. **Morphological changes during rapeseed samples (Brassica Napus) exposed to non-ionizing radiation**, **Iuliana Mihaela Lazăr**, Daniela Nicuță, Elena Troțuș, Irina Ifrim, *Scientific study & research chemistry, chemical engineering, biotechnology, food industry*, 12 (4), 401-408 (2011)
<http://pubs.ub.ro/?pg=revues&rev=csc6&num=201104&vol=4&aid=3435>

g.3. **Prediction of the ash content of wheat flours using spectral and chemometric methods**, Alina Mihaela Moroi, Nicoleta Vartolomei, Alisa-Vasilica Aruș, Denisa Nistor, **Iuliana Mihaela Lazar**, *The Annals of the University Dunarea de Jos of Galati Fascicle VI – Food Technology*, 35, 33-45 (2011)
<https://core.ac.uk/download/pdf/25728219.pdf>

g.4. **Changes of B16F10 cells dielectric properties under aminoglycoside action**, **Lazar IM**, Saplacan L, Lazar G, Sobetkii A, Iordache M-M, Kovacs E, Radu M, Moisescu MG. 2011. Paper presented at 11th National Conference on Biophysics, 10-12 noiembrie 2011, Poster P25, Abstract Book pg. 63; Sibiu, România

g.5. **Gentamicin interaction with B16F10 cell membrane studied by dielectrophoresis**, **Lazar IM**, Saplacan L, Lazar G, Sobetkii A, Iordache MM, Kovacs E, Radu M, Moisescu MG. 2011. 8th European Biophysics Congress, Poster 767, Abstract Book pg. S237, August 23-27, 2011, Budapest, Hungary, publicat în rezumat în:
European Biophysics Journal with Biophysics Letters, 40 Supplement: 1: S237 (2011)
FI=2.139 DOI 10.1007/s00249-011-0734-z

g.6. **Dielectrophoretic devices for separating foodborne pathogens**, **Iuliana Mihaela Lazar**, Arcadie Sobetkii, Ileana Denisa Nistor, Neculai Doru Miron, Marius Stamate, Gabriel Lazar, *Food and Environment Safety*, IX (3), 72-78 (2010)
<http://www.fia.usv.ro/fiajournal/index.php/FENS/article/view/451>

g.7. **Influence of gentamicin on dielectrophoretic crossover frequency of B16F10 cells**, **Lazăr IM**, Moisescu MG, Bărbuț AD, Sobetkii A, Savopol T, Kovacs E, Radu M. 2010, Paper presented at International Autumn School, Biophysics & Bioelectrochemistry for Medicine: Basic Concepts, New Techniques and Application Perspective- Poster P07, October 1 - 6, 2010, Vulcan, Romania

