LISTA DE LUCRĂRI PUBLICATE

Daniela Simina ȘTEFAN

Universitatea POLITEHNICA din Bucureşti

A. TEZA DE DOCTORAT, TEZE DE POSTDOCTORAT

A.1. Teza de DOCTORAT:

1."*Influenţa compuşilor organici asupra îndepărtării ionilor metalici din diverse ape industriale"* Universitatea **POLITEHNICA** Bucureşti, 15 iulie 2005,

A.2. Teze POSTDOCTORAT

1. Postdoctorat, în cadrul proiectului "***Biotehnologii Aplicate" cu impact în economia romaneasca,*** postdru /89/1.5/S/52432; **Domeniul Biotehnologii industriale şi medicale; Titlul proiectului:** ***Identificarea unor biotehnologii de biodegradare a deşeurilor rezultate din industria pielăriei, 2011***

2. Postdoctorat, în cadrul proiectului **"Scoala Postdoctorala de Biodiversitate Zootehnica și Biotehnologii Alimentare pe Baza Economiei și Bioeconomiei Necesare Ecosanogenezei",** Postdru/89/15/S/nr. 63258, **2015-2016,** Academia Romana –Institutul Național de Cercetari Economice"Costin Chirițescu" Centrul de Studii și Cercetari pentru Biodiversitate Agrosilvică „Academia David Davidescu"**, Titlul proiectului: "Studii postdoctorale privind influenta unor parametri chimici asupra ecosanogenezei lacului Snagov"**

B. CĂRŢI PUBLICATE

B.1. La edituri internaționale

1. Mircea Stefan, **Daniela Simina Stefan,** Adriana Bors, Retention of Heavy Metal Ions on the Clays, Lambert Academy Publisher, ISBN 978-613-9-86427-0, 2018, 105 pages**.**

2. Daniela Simina Stefan and Cristina Serbanescu, *Plants biosensors for monitoring the heavy metals from urban pollution*, Éditions Universitaires Européennes, ISBN, 978-3-639-56066-4, 85 pag, ianuarie, 2017**.** **https://www.amazon.com/Plants-biosensors-monitoring-metals-pollution/dp/3639560663,**

3. Daniela Simina Stefan and Mircea Stefan, chapter 2. *Water Stress Induced by Enrichment of Nutrient and Climate Change Factors*, in Environmental Sciences, "Water Stress in Plants", book edited by Ismail Md. Mofizur Rahman, Zinnat Ara Begum and Hiroshi Hasegawa, ISBN 978-953-51-2621-8, Print ISBN 978-953-51-2620-1, Published: August 24, 2016 under CC BY 3.0 license. ©, DOI: 10.5772/64665.

B.2. La edituri naționale

4. Lesnic Mihai, Gabriela Pietrareanu, **Daniela Simina Stefan,** *Epurarea Convenţională Şi Avansată a Apelor Uzate,* Ed Matrix, *482 pag, 2018.*

5. Daniela Simina Ştefan, Cristina Serbănescu, *Chimia Mediului, Chimia Geosferei, vol III, E*ditura Electra, ISBN General, 978-606-507-066-0, 350 pag., 2013.

6. Daniela Simina Ştefan, *„Chimia Mediului, Chimia Atmosferei, vol. II", E*ditura Electra, ISBN General, 978-606-507-066-0, 235 pag, 2012.

7. Daniela Simina Ştefan, *„Chimia Mediului, Chimia Mediului acvatic vol I"* Editura Electra, ISBN General, 978-606-507-054-7, ISBN, *vol I,* 978-606-507-055-4, 229 pag, 2011.

8. Radu Alexandru Macovei, Mircea Ştefan, Maria Cristina Şerban, Cosmin Adrian Şerban, Mihail Silviu Tudose**, Daniela Simina Ştefan,** *Toxicodependenţa - Impact social. Aspecte Medicale. Consecinţe juridice,* Editura PRINTECH, ISBN 978-606-521-347-0, 304 pag., 2009.
9. Daniela Simina Ştefan, *„Biochimia Mediului",* editura POLITEHNICA PRESS, ISBN 978-606-515-030-0, 274 pag, 2009.
10. Mircea Stefan, **Daniela Simina Ştefan**, Cicerone Nicolae Marinescu, **„***Securitatea Mediului si Mediul de Securitate",* editura PRINTECH, ISBN 978-606-521-041-, 154 pag., 2008.
11. Mircea Stefan, **Daniela Simina Ştefan,** Andreea Ioana Marinescu,"*Indrumar pentru Realizarea Studiilor de Impact si a Bilanturilor de Mediu",* Editura PRINTECH, ISBN 978-973-718-796-6, 180 pag., 2008.
12. Rodica Stănescu, M. Belcu, Cristina Costache**, Daniela Simina Ştefan,** S.Lanyi, I. Constantinescu,*"Dinamica poluanţilor în mediu"*, Editura PRINTECH, ISBN 973-652-136-2, 234 pag., 2000.

3. Culegeri și Indrumare publicate în edituri cu ISBN

I1. Daniela Simina Ştefan, Mihaela Nicolae, Andreea Ioana Marinescu, **„***Analize microbiologice pentru caracterizarea apelor"* Indrumar de laborator-editura POLITEHNICA PRESS, ISBN: 978-973-7838-91-9, 128 pag., 2008.
I2. Mitshuharu Ogaki, Rodica Stănescu –coordonatori – I. Untea, Marilena Pleşca, Annette Madelene Dăncilă, Cristina Michaela Costache, Cristina Modrogan, Oanemari Daniela Butucea, Liliana Bobirică, **Daniela Simina Ştefan,** C. Onose, D. G. Apostol, C. Bobirică,*"Controlul calităţii mediului" - Lucrări practice de laborator,* Editura Cartea Universală, ISBN 973-7956-43-6, 304 pag., 2003.
I3. Rodica Stănescu, **Daniela Simina Ştefan,** A. Drost, G. Apostol, Cristina Costache, I. Constantinescu,*"Protecţia calităţii solului"- Indrumar de laborator*, editura PRINTECH, ISBN 973-652-137-0, 100 pag., 2001.

IV.·ARTICOLE/STUDII IN EXTENSO PUBLICATE (R, V):

1.Ris, Reviste de specialitate de circulație internațională recunoscute (cotate/indexate ISI Thomson Reuters sau indexate în alte baze de date internaționale - BDI specifice dmeniului care fac un proces de selecție a revistelor pe baza unor criterii de performanță). Se menționează la fiecare lucrare includerea în Baza ISI [ultimul Factor de Impact, ISSN] și/sau denumirea altei(altor baze de date) BDI, ISI proceding-uri

Articole cotate ISI cu factor de impact

Ris1. Daniela Simina Stefan, Cristina Orbeci, Mircea Stefan, Optimizing Enzymatic Biodegradation of Skins Waste using Response Surface Methodology, REV.CHIM.(Bucharest), 70(4), 2019, acceptat spre publicare.
Ris 2. Daniela Simina Stefan, Nicoleta Neacsu, Mircea Stefan, Roxana Sandulovici, Cristina Serbanescu, The distribution of metals in water, sediments, aquatic plants and fish from Snagov Lake, Romania, Environmental Engineering and Management Journal, ISSN 1582-9596, 2019, 19(4), Lista articole acceptate spre publicare EEMJ.
Ris3. Cristina Ghițulică, **Simina Ștefan,** Otilia Ruxandra Vasile, Roxana Trușcă, Ionela Andreea Neacșu, Bogdan Ștefan Vasile, Porous Ceramic Support Embedded with Microorganisms Used in Water Purification, Revista Română de Materiale / Romanian Journal of Materials 2019, 49 (1), 33 – 41.

Ris4. Mircea Stefan, Adriana Bors, **Daniela Simina Stefan,** Ionut Alexandru Savu Radu, Cicerone Marinescu, Sorption of Heavy Metal on Natural Clay, REV.CHIM.(Bucharest), 68, No. 12, 2017, 2804-2807. WOS:000423261900015

Ris5. **Daniela Simina Stefan,** Nicoleta Neacsu, Cristina Serbanescu, Luoana Florentina Pascu, Mircea Stefan, *Assessment of heavy metals pollution of Snagov Lake,* Revista de Chimie, ISSN 0034-7752, 2017, 68(2), WOS:000397043100004

Ris6. Daniela Simina Stefan, Nicoleta Neacsu, Irina Pincovschi, Mircea Stefan, *Water quality and self-purification capacity assessment of Snagov Lake,* Revista de Chimie, ISSN 0034-7752, 2017, 68(1), 60-64, WOS:000395499200014

Ris7. Raluca Diodiu, Toma Galaon, Elena Bucur, Daniela Simina Stefan, Luoana Florentina Pascu, *Aldehydes, Acetone, Formic and Acetic Acids in Inodoor Air of an Building*, Revista de Chimie, ISSN 0034-7752, 2016, 67(12), 2396-2401, WOS:000393230400003

Ris8. Daniela Simina Stefan, Rodica Roxana Constantinescu, Aurelia Meghea, Rodica Anghel, Mircea Stefan, Mihail Silviu Tudosie, *Obtaining of Biofertilisers Using Pelt Skin Wastes*, Revista de Chimie, ISSN 0034-7752, 2016, 67(7), 1401-1405, WOS:000385513000035.

Ris9. M. Belcu, **Daniela Simina Stefan,** M. Stefan, I. Untea & Annette Madelene Dancila, *Climate change: some insights from mean surface temperature statistics*, International Journal of Sustainable Development & World Ecology, Volume 22, Issue 5, 2015, pages 437-444, DOI: 10.1080/13504509.2015.1084065, WOS:000361463600007.

Ris10. Daniela - Simina Stefan, Jacobus Frederick van Staden, Eugeniu Vasile, Otilia - Ruxandra Vasile and Madelene Dancila, *Influence of Sulfates and Nitrates Uptake, From Aqueous Solutions on Purolite A 520 E Surface Exchange*, Comptes Rendus Chimie, ISSN: 1631-0748, 2014, Volume 17, Issue 7, pg. 738-745, DOI 10.1016/j.crci.2014.01.005, WOS:000342037400019.

Ris11. Daniela Simina Stefan, Irina Meghea, *Mechanism of Simultaneous Removal of* Ca^{2+}, Ni^{2+}, Pb^{2+} *and* Al^{3+} *Ions from Aqueous Solutions Using S 930 Ion Exchange Resin*, Comptes Rendus Chimie, ISSN: 1631-0748, 2014, 17(5), pp 496-502, DOI 10.1016/j.cric.2013.09.010, WOS: 000335290700014.

Ris12. Mirela Pantazi, **Daniela Simina Stefan (CA)**, Roxana Constantinescu, Rodica Anghel, Aurelia Meghea, Ana Maria Vasilescu, *A comparative study of the enzymatic biodegradation of synthetic and tanned leather wastes with chromium and natural tannin*, Revista de Chimie, ISSN 0034-7752, 65(2), 2014, pp. 233-236, WOS: 000333577400023.

Ris13. Irina Pincovschi, **Daniela Simina Stefan:** (CA), *Effect of temperature and sulphur dioxide partial pressure on natural water pollution***,** Revista de Chimie, ISSN 0034-7752, 64(9), 2013, pp. 1021-1023, WOS:000326855900020.

Ris14. **Daniela Simina Stefan**, Irina Pincovschi, *Adsorption of Chlorinated Phenolic Derivates from Wastewater Using Active Carbon*, Revista de Chimie, ISSN 0034-7752, 64(11), 2013, pp. 1207-1210, WOS:000330914400003.

Ris15. Daniela Simina Stefan, Irina Pincovschi, *Adsorption of phenol and its chlorinated derivatives from waste waters using hypercrosslinked polymers*, Revista de Chimie, ISSN 0034-7752, 64(12), 2013, pp. 1381-1384, WOS:000328441600001.

Ris16. Mihail Silviu Tudosie, Rucsandra Dãnciulescu Miulescu,V. Negulescu, Mihai Ionicã**, Simina Daniela Stefan,** George Corlan, R. Macovei, *Evaluation and Modeling of pharmacokinetics of Copper Ion During Hemodialysis***,** Farmacia, ISSN 0014-8237**,** 61(1), 2013, pp.53-65, WOS:000315306500006.

Ris17. Daniela Simina Stefan, Romulus Dima, Mirela Pantazi, Mariana Ferdes and Aurelia Meghea, *Identifying Microorganisms Able to Perform Biodegradation of Leather Industry Waste*, Molecular Crystals and Liquid Crystals, ISSN: 1542-1406, 555(1), 2012, pp.301-308, DOI:10.1080/15421406.2012.635983, WOS:000302301500025.

Ris18. Maria Mihaly, Gabriela Nicolae, **Daniela Simina Ştefan**, Aurelia Meghea, *Transfer and Translocation of Polycyclic Aromatic Hydrocarbons within some Aquaculture Biosystems in Romania*, Revista de Chimie, ISSN 0034-7752, 61(11), 2010, pp. 1009-1016, WOS:000286571600001.

Ris19. Cristina Orbeci, Ion Untea, Madelene Dancila, **Daniela Simina Stefan**, *Kinetics considerations concerning the oxidative degradation by Photo-Fenton process of some antibiotics***,** Environmental Engineering and Management Journal, ISSN 1582-9596, 9(1), 2010, pp 1-5, WOS:000275701800001.

Ris20. Daniela Simina Stefan, Mihai Belcu, Mircea Stefan and Ioana Andreea Marinescu, *Sorption of $Hg^{2+}$and Pb^{2+}ions from aqueous solutions on corn cobs biomaterials. Study of sorption equilibrium of Hg^{2+} and Pb^{2+} cations on corn cob*, Revista de chimie, ISSN 0034-7752, 61(1), 2010, pp 31-35**,** WOS:000275350200008.

Ris21. Daniela Simina Stefan, Cristina Costache**,** Viorica Ruxandu, Monica Balas, Mircea Stefan**,** *Comparative study on surface water treatment using as coagulant aluminium sulphate and polyaluminium chlorides as coagulants*, Environmental Engineering and Management Journal, ISSN 1582-9596, 8(4), 2009, pp 859-863, WOS:000269811500039.

Ris22. Mircea Stefan, **Daniela Simina Stefan(CA),** *Study of Cadmium sorption on Na-Montmorillonite, Revista de chimie,* ISSN 0034-7752**,** *60(11),*2009**, pp** 1169-1174**,** WOS:000273802400013.

Ris23. **Daniela Simina Ştefan**, Anca-Ileana Penu, Mircea Ştefan, *Treatment and management of distillery fermeted fruit spent marc. I. Processing into compacted solid*, Environmental Engineering and Management Journal, ISSN 1582-9596, 8(2), 2009, pp 273-276, WOS:000285523600013.

Ris24. Daniela Simina Ştefan, Mircea Ştefan, Anca-Ileana Penu, *Treatment and management of distillery fermeted fruit spent marc. II. Processing into composting*, Environmental Engineering and Management Journal, ISSN 1582-9596, 8(3), 2009, pp. 595-599, WOS:000267917400033.

Ris25. Daniela Simina Stefan, Ion Untea, Violeta Neagu, Cornelia Luca and Mircea Stefan - *"Selective retention of Hg^{2+}ions from aqueous solutions by various functionalized copolymers with amide functionalgroups"* – Revue Roumaine de Chimie ISSN 0034-3930, 53(8), 2008, pp 665-971, WOS:000263919300005.

Ris26. Mircea Ştefan, **Daniela Simina Ştefan(CA),** Ioana Andreea Marinescu, Mihai Belcu and Dănuţ Ionel Văireanu, „Simultaneous sorption of Cadmium, Zinc and Lead on Montmorillonite" Revue Roumaine de Chimie, ISSN 0034-3930, 53(10), 2008, pp 965-971, WOS:000266215500010.

Ris27. Violeta Neagu, Cornelia Luca, **Simina Ştefan**, M. Ştefan, I. Untea– "*Unconventional ion exchange resins and their retention properties of Hg^{2+}ions"* - Reactive &Functional Polymers, ISSN: 1381-5148, 67(12), 2007, pp 1433-1439, WOS:000251460300003.

Ris28. Laura Bancu, **Simina Stefan**, Ioana Jitaru, *"Studies of a Possible Mechanism of Cadmium(II) Toxicity",* Revista de Chimie- Bucureşti, ISSN 0034-7752**,** 57(6), 2006, pp 582-585, WOS:000240305900005.

Ris29. **Daniela Simina Ştefan,** M. Ştefan, and D. I. Vaireanu, *"Removal of Cu (II) and Zn(II) ions on corn cobs",* Revue Romaine de Chimie, ISSN 0034-3930, 51(6), 2006, pp.541-546, WOS:00024260080001.

Ris30. Daniela Simina Ştefan, M. Ştefan, I. Constantinescu *"Biosorption of Cu (II) and Zn(II) on Natural Cellulosic Wastes",* U.P.B-Scientific Buletin, 2004, 66(1), pp.51-61.

Ris31. Rodica Roxana Constantinescu, **Daniela Simina Stefan**, Aurelia Meghea, Gabriel Zainescu, *Pelt Waste Degradation Using Fungi Strains*, ISSN 1454-2331, UPB Scientific Bulletin, 2015, Series B, 77(4), 123-13.

Ris 32. Constantinescu, R.R., Zăinescu, G., **Ştefan, D.S.,** Sîrbu, C., Voicu, P., Protein biofertilizer development and application on soybean cultivated degraded soil, Leather and Footwear Journal, Volume 2015, 15(3), 169-178

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Ris33. D. S Stefan, Meghea, I.; Stefan, M., ***Comparatively Study of Removal of Hydrogen Sulfide and Ammonium from Natural Water Using Oxygen, Air and Chloride***, 18th International Multidisciplinary Scientific GeoConference SGEM 2018, Albena, 30th June - 9th July 2018

Ris34. Daniela Simina Stefan, Ana-Maria Manea-Saghin, Gabriel Zainescu, Aurelia Meghea, Mircea Stefan, Comparative methods for skin and hide waste capitalisation**,** 18th International Multidisciplinary Scientific GeoConference SGEM, 3 - 6 December, 2018, Viena, Sectiunea 9, pag 93-99.

Ris 35. Daniela Simina Stefan, Irina Meghea, Mircea Stefan" Comparatively study of removal of hydrogen sulfide and ammonium from natural water using oxygen, air and chloride, GeoConference SGEM 2018, www.sgem.org, Conference Proceedings, ISBN 978-619-7105-38-4 / ISSN 1314-2704, June 30 - July 9, 2018, 227-234, DOI: 10.5593/sgem2018/5.2

Ris36.Mircea Stefan, Irina MEGHEA, **Daniela Simina ŞTEFAN**, Kinetic study of Zn(II), Cd(II) şi Pb(II) ions sorption on Na-montmorillonite, 17th International Multidisciplinary Scientific GeoConference SGEM 2017, www.sgem.org, SGEM 2016 Conference Proceedings, ISBN 978-619-7105-38-4 / ISSN 1314-2704, June 24-27, 2017, WOS:000391348600108

Ris37. Daniela Simina Ştefan, Irina Meghea, Mircea Stefan, *Comparative study of smart technical solutions adopted for biogas,* 16th International Multidisciplinary Scientific GeoConference SGEM 2016, www.sgem.org, SGEM 2016 Conference Proceedings, ISBN 978-619-7105-38-4 / ISSN 1314-2704, June 24-27, 2016, WOS:000391348600108

Ris38. D.S. Stefan, I. Meghea, *Carbon Dioxide between Greenhouse Gas Effect and Raw Materials,* 15th International Multidisciplinary Scientific GeoConference SGEM 2015, www.sgem.org, SGEM2015 Conference Proceedings, ISBN 978-619-7105-38-4 / ISSN 1314-2704, June 18-24, 2015, Book4, 83-90 pp DOI: 10.5593/SGEM2015/B41/S17.011, WOS = 000371056000011

Ris39. Daniela Simina Stefan, Irina Meghea, *Influence of vegetal waste/PIG slury ration on the Quality of Compost,* 14th International Multidisciplinary Scientific, GEOConference on Water Resources, Forest, Marine and Ocean Ecosystems, 17-26 june, 2014, Bulgaria, Volume II, ISSN 1314-2704, ISBN 978-619-7105-14-8, DOI:10.5593/sgem2014B32, WOS = 000371056000011

Ris40. Daniela Simina Stefan, Mirela Pantazi, Irina Meghea, *Opportunities for capitalisation of leather and footwear waste by composting*, 12th International Multidisciplinary scientific GeoConference SGEM2012, Section: Ecology and Environmental Protection, Albena, 2012, oral presentation, Conferince Proceeding, ISSN 1314-2704, June 17-23, Vol 5, pp 587-595, indexată in Scopus and Engineering Village (Compendex).Scopus h-index=5, www.sgem.org, DOI: 10.5593/sgem2012/s20.v5079, WOS: 000348536400079

Ris41. Daniela Simina Ştefan, Irina Meghea, *Study of biodegradation of leather tanned with chromium and vegetal compounds,* 11th International Multidisciplinary scientific Geo Conference SGEM 2011, Section: Ecology and Environmental Protection, Conferince Proceeding, ISSN 1314-2704, 20-25, June, Albena, Bulgaria,Vol 3, 2011, pp 221 - 228,indexată in Scopus and Engineering Village (Compendex), Scopus h-index=5, www.sgem.org,DOI: 10.5593/sgem2011/s20.110, WOS:000307366500031

Ris42. Daniela Simina Ştefan, Mihai Belcu, Irina Meghea, *Removal of Hg^{2+} and Pb^{2+} ions from aqueous solutions on corn cobs materials. II Kinetics and sorption mechanism*, International Multidisciplinary scientific GeoConference SGEM 2010, Section: Ecology and Environmental Protection, Conferince Proceeding, ISSN 1314-2704, Albena, Vol 2, 2010, pp787 – 794, oral presentation, indexată in Scopus and Engineering Village (Compendex), Scopus h-index=5, www.sgem.org,WOS:000288622300108

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Ris43. Sînziana Adina Scărlătescu, Andreea Cristiana Didilescu, **Daniela Simina Ştefan**, Al. A. Iliescu, A. Iliescu**,** *An In Vitro Assessment of Coronal Microleakage in Root-Filled Teeth*, International Journal of Medical Dentistry, *Endodontics*,ISSN 2066-6063, 3 (1), 2013, pp. 27-31, indexată "IndexCopernicus" şi indexată**CNCSIS B$^+$** cod 152.
.http://journals.indexcopernicus.com/karta.php?action=masterlist&id=4330.

Ris44. Scarlatescu Sinziana Adina, Iliescu Andrei, Didilescu Andreea Cristiana, **Ştefan Daniela Simina,** Iliescu Alexandru, *The Assessment of Four Methods of The Gutta-Percha Root Canal Filling Investigated by Tooth Clearing Technique*, Medicine in Evolution, ISSN 2065-376X,online ISSN2247-6482, 8(1), 2012, pp 95-100, Indexată" IndexCopernicus" si indexata in categoria **CNCSIS B$^+$,** 2010.

Ris45. Sînziana Adina Scarlatescu, A. Iliescu, Andreea Cristiana Didilescu, **Daniela Simina Ştefan,** Al. A. Iliesc, *A Comparative Study of Root Canal Fillings Based on Warm Gutta-Percha Condensation Techniques*, International Journal of Madical Dentristry, *Endodontics*, ISSN 2066-6063, 2 (2), 2012, pp. 102-106, Indexată "IndexCopernicus" si indexata CNCSIS B$^+$ cod 152. .http://journals.indexcopernicus.com/karta.php?action=masterlist&id=4330.

Ris46. Violeta NEAGU, Cornelia LUCA, **Simina Ştefan**, Mircea Stefan, Ion Untea – *"Removal of Hg(II) ions from aqueous solutions by new strong base anion exchange resins with amide functional groups"* - Bulletin of the Transilvania University of Brasov, ISSN 1223-9631, ISSN 2065-2127 (CD), BRAMAT, 4, 2007, pp 707-714, indexată in EBSCO Publishing DataBase (http://www.ebscohost.com/titleLists/a9h-subject.xls) și evaluată de CNCSIS în categoria B+, cod 491.

Ris47. Ştefan, D.S. , Meghea, I. Study of biodegradation of polyethylene (PE), polyethylene therephthalate (PET) and oxo - Biodegradable plastics package (Conference Paper), Nonlinear Optics Quantum Optics, ISSN: 1543-0537 On line: 1944-8325, 44(2-3), 2012, pp 177-190.

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Rno2. M. Ştefan, **Daniela Simina Ştefan**, D.I. Văireanu, "*Kinetics of heavy metals sorption on Na-montmorillonite*", Science and Technology of Environmental Protection, ISSN 1221-6909, 12(2), 2005, pp. 64-77.

Rno3. M. Ştefan, **Daniela Simina Ştefan**, R. Popescu, *"Echilibrium of heavy metals sorption on Na-Montmorillonite",* Science and Tehnology of Environmental Protection, ISSN 1221-6909, 11(1), 2004, pp 71-80.

Rno4. M. Ştefan, **Daniela Simina Ştefan,** R. Popescu, "*Study of Heavy metal Sorption on Na-Montmorillonite",* Science and Tehnology of Environmental Protection, ISSN 1221-6909, 11(1), 2004, pp 61-71.

3.Vi, Articole publicate in volumele unor manifestări ştiintifice internaţionale recunoscute (cu ISSN sau ISBN) din ţară şi din străinătate

Vi1. Constantinescu R. R., Zainescu G., **Stefan D. S**., Meghea A., Sirbu C, Voicu P. *„Research on Obtaining Nutritional Substrates from Protein Biocomposites"*, ICAMS 2014, The 5th International Conference on Advanced Materials and Systems, Bucharest, Romania, 23-25 octombrie, 2014, publicat in volumul conferinței la capitolul Biomaterials, pag. 177-183.

Vi2. Mirela Pantazi, Gabriela Macoveanu, **Simina Ştefan**, Ana Maria Vasilescu, *Evaluating risks of allergy to chromum released from footwear*, ICAMS 2012-The 4th International Conference on Advanced Materials and Systems, Bucharest Romania, September 27-29 th, **2012,** p159-164.

Vi3. Ganea Ancuta, Neacsu Nicoleta, **Stefan Daniela Simina**, *Selectivity of S 930 ion exchange resin regarding Ca^{2+} and Ni^{2+} ions from aqueous solutions,* International Symposium: The Environmental and Industry" –SIMI, National Researchand Development Institute of Industrial ecology, INCD ECOIND, Bucuresti, 15-19 noiembrie **2011**, ISSN 1843-5831, vol 1, pag. 275-281.

Vi4. Ilioiu Raluca, **Ştefan Daniela Simina**, *Study of influence of Carbon/Nitrogen ration on Compost of cellulosic waste,* International Symposium: The Environmental and Industry" – SIMI, National Researchand Development Institute of Industrial Ecology, INCD ECOIND, Bucuresti, 15-19 noiembrie **2011**, ISSN 1843-5831, vol 1, pag 229-235.

Vi.5. **Daniela Simina Ştefan**, Irina Meghea, *Selective sorption of Ca^{2+} and Pb^{2+} ions from aqueous solutions on S 930 ion exchange resin, 2011,* International U. A. B. – B. En. A. Conference- Environmental Engineering and Sustainable Development -Alba Iulia, Romania, May 26-27th, **2011**, 109-114

Vi6. Ion Untea, Annette Madelene Dancilă, Cristina Orbeci, **Daniela Simina Ştefan**, *„Regeneration of ZnO-TiO_2 desulphurization sorbents- ZnO-TiO_2 molar ratio and the sorbent particles size influence",*16th Romanian International Conference on Chemistry and Chemical Engineering, Sinaia, RICCCE 16, România, 9-12 Septembrie **2009**, pp S5 P-09, SV.22-SV.29.

Vi7. Daniela Simina Ştefan, Cristina Costache, Mihai Belcu, Aurelia Meghea, *„The study of biodegradability of some plastic packages from romanian market"*, 16th Romanian International Conference on Chemistry and Chemical Engineering, Sinaia, România, 9-12 Septembrie **2009**, încadrul Workshop Development of strategic academia-industry partenership for Knowledge management in environmental friendly technologies, ISSN: 2066-8341, pp 45-51.

Vi8. Daniela Simina Ştefan, Carmen Ieşan, Ion Untea, Cristina Orbeci, Madelene Dancilă, *„The NO3- ions retention from aqueous solutions by ion exchange using A520E type resins"*, International Symposium: The Environmentaland Industry" –SIMI-, Bucuresti 28-30 octombrie **2009**, ISSN 1843-5831, vol 1, pag. 275-281.

Vi9.Daniela Simina Ştefan, Dumitru Turtoi, Anca Ileana-Penu, Cristina Costache, Cicerone Marinescu, *„The Study of Sawdust and Mark Fruits Biomass Using (capitalisation) by Briquetting",* International Symposium: The Environmental and Industry" –SIMI-, Bucuresti 28-30 octombrie **2009,** ISSN 1843-5831, vol 1, pag. 326-333.

Vi10. Daniela Simina Ştefan, Constantin Nicolescu, *„Consideration regrading the nitrates concentration reduction in water that transit the drainage works”*, Workshop Polsol 2009, Water, Soil and Groundwater Pollution with Nitrogen Compounds, Bucharest, Romania, May, **2009**, ISSN 2066-6535, pp. 57-68.

Vi11. I. Untea, **Simina Ştefan,**M Stefan, Violeta Neagu, Cornelia Luca**,** *„Hg^{2+} from aqueous solutions by sorption on new amide functionalized copolymers. Thermodynamic and kinetics experimental data”,* in Recent Advances in Ion Exchange and Practice, Proceedings of IEX **2008** by Society of Chemical Industry (SCI), World Hedquarters, 14/15 Belgrave Square, LONDON, SWIX 8PS, Editor M. Cox, pp. 275-282.

Vi12. Daniela Simina Ştefan, Rusu Neguta, Bona Radu, Mircea Stefan, *„Study of Diesel Oil Sorption On natural and Synthetical Sorbents”*, International Symposium: The Environmentaland Industry” –SIMI-, Bucuresti 25-27 octombrie **2007**, ISSN 1843-5831, vol 2, pag. 37-42.

Vi13. Daniela Simina Stefan, M. Ştefan, Ştefania Stoleru, *„Study of Heavy Metal Sorption on Natural Cellulosic Wastes”, I. SEM and EDX evidence for the adsorption of Cu(II) and Zn(II) on corn cobs”,*14th Romanian International Conference on Chemistry and Chemical Engineering, Bucureşti, România, 22-24 Septembrie**2005,**Vol 4, ISBN 973-718-284-7, pp S06 236-243

Vi14. Daniela Simina Ştefan, M. Ştefan, Ştefania Stoleru, *„Study of Heavy Metal Sorption on Natural Cellulosic Wastes II. Kinetical Study for the Biosorption of Cu(II) and Zn(II)”*14th Romanian International Conference on Chemistry and Chemical Engineering, Bucureşti, 22-24 septembrie **2005**,Vol 4, ISBN 973-718-284-7, pp S06 9-17.

Vi15. Daniela Simina Ştefan, M Ştefan, Cristina Costache, Rodica Stănescu,**"***Removal of Heavy Metals ions from Wastewaters of Natural Cellulosic Waste”*, 13th Romanian International Coference on Chemistry and Chemical Engineering, Bucureşti, România, Septembrie **2003,** pp. 48-53.

Vi16. M. Ştefan, **Daniela Simina Ştefan,** Liliana Bobirică, *"Effect of Interlayer Cation on Metals Cation Sorption to Clay from Waste Water*"**,** 13th Romanian International Coference on Chemistry and Chemical Engineering, Bucureşti, România, Septembrie **2003,** pp.152-157.

Vi17. Daniela Simina Ştefan, Cristina Lăzăroiu, Cristina Costache, I. Constantinescu, Rodica Stănescu, *"Preliminary test of Sorption Properties of Natural Cellulosic Wastes for Heavy Metals Removal from Waters",* 12th Romanian International Coference on Chemistry and Chemical Engineering (RICEE), Bucureşti, România, Septembrie **2001,** pp 250-256.

Vi18. A. Drost, G. Apostol, Ruxandra Govoreanu, **Daniela Simina Ştefan,** Rodica Stănescu, Cristina Costache, Sz. Lanyi, I. Constantinescu *"Potassium Ion Dynamics in Sandy Soils"*11th Romanian International Coference on Chemistry and Chemical Engineering, Bucureşti, Septembrie**1999**, România, pp 95-100.

Vi19. Ruxandra Govoreanu, G. Apostol, **Daniela Simina Ştefan**, Cristina Costache, Rodica Stănescu, Sz. Lanyi, I. Constantinescu *"Studiul optimizării procesului de coagulare floculare pe baza unor modele empirice"*11th Romanian International Coference on Chemistry and Chemical Engineering (RICEE), Bucureşti, Septembrie **1999,** România, pp 115-120.

V. BREVETE DE INVENŢIE / INOVAŢII (B,A)

B - Brevete de invenţie.

B1. Daniela Simina Stefan, Mihai Popescu, Mircea Stefan, Mihaela Aurelia Oprescu**,** ***Procedeu şi instalaţie pentru producere a biogazului,*** **OSIM, Nr inreg. A 0083, 15.02.2017**

A - Inovaţii şi alte creaţii.

VI. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE (P, E)

1. Proiecte de cercetare-dezvoltare-inovare obtinute prin competitie, pe bază de contract/grant în tara în calitate de resposabil (Pna.i) şi elaborator (Pnb.i)

Pnb1. ***ECO-Nanotehnologii de epurare a apelor si valorificarea deșeurilor",*** A1 - A1.2.3. - G – 2015-2021, Parteneriate cu Transfer de Cunoştinţe, **Program Operațional Competitivitate (POC), Parteneri: UPB, ECOAQUA SA, IPROCHIM SA. 2015-2020, responsabil de proiect.**

Pnb. 2 ***Collagen-based composites obtained by pelt waste processing for smart biofertilizers,*** AGRO-SMARTGEL, INCOMERA, Parteneri: UPB, S.C. PIELOREX SA – Jilava-Ilfov , INCDTP, *FORTH/ICE-HT* – Patras, SIRMET S.A, .Grecia 2018-2010, membru in echipa de lucru;

Pnb2. ***ECO-Nanotehnologie integrata pentru indepartarea colorantilor din ape reziduale, PN3-P3-301/02.05.2017,*** **2017-2019**

Pnb3. ***"Biotehnologii aplicate" cu impact in economia romaneasca***-postdru /89/1.5/S/52432; **Domeniul Biotehnologii industriale şi medicale**, expert pe termen scurt, **expert pe termen scurt**, ETS, 2012-2013.

Pnb4. ***Sistem suport Tehnico-Decizional pentru Managementul Durabil al Apei,*** PNC Dezvoltare –Inovare II, Nr. 32125/2008, Universitatea Tehnica "Gh. Asachi - coodonator, Iaşi, UP Bucureşti, UP Timişoara, Universitatea Transilvania Braşov, **membru echipă.**

Pnb5. ***Tehnologie avansata de diminuare a pulberilor (inclusiv nanoparticule) existente in termocentrale in vederea reducerii riscului la expuneri profesionale si a imbunatatirii sanatatii si sigurantei la locurile de munca*** **- NANOHEALTH,** PN II Nr. 22-090/2008, UPB – coordonator, Filiala Inst. de Cercetari si Modernizari Energetice - ICEMENERG Bucresti – Partener, Inst. Nat. de Cercetare Dezv. pentru Fizica Laserilor, Plasmei si Radiatie, Inst. Nat. de Cercetare Dezv. in Domeniul Patologiei si Stiintelor Biomedicale V. Babes, S.C. Electrocentrale Deva S.A., **membru echipă.**

Pnb6. ***Sechestrarea CO_2 prin legare chimica in compusi minerali utili in scopul reducerii emisiilor de gaze cu efect de sera,*** PN II -PROGRAMUL 4, Nr. 22116 /2008 – SQCARBMIN, Universitatea Bucureşti- coordonator de proiect, UPB, **membru echipă.**

Pnb7. ***Evaluarea a condiţiilor de producţie din fermele româneşti de acvacultură în sistemul de siguranţă alimentară prin abordarea principiilor HACCP,*** **Acronim: CIPRINAQUASIG,** Nr. t: 51-0742007, Perioada de derulare: 2007-2011 Parteneri: UPB, Fac Dunarea de Jos si Universitatea de ingineria Mediului Iasi, **membru echipă.**

Pnb8. ***Sisteme fotocatalitice complexe pentru epurarea avansata a apelor rezultate din industria textila***, **Acronim: FOTOCOMPLEX,** Nr. contract: 71-047/2007, Perioada de derulare: 2007-2011, **membru echipă.**

2. Alte lucrari de cercetare/dezvoltare în calitate de responsabil (Fa.i) si elaborator (Fb.i)

Fa1. ***Evaluarea factorilor care determina corodarea instalaţiilor de incalzire din aluminiu"*** Contract CH 370604/19.12 2006, 2007, **responsabil de proiect,**

Fa2. *"Verificarea calitaţii apei la intrarea şi ieşirea din instalaţii de încalzire",* Contract CH 37050/21.01 2005*; 2005-2006;***responsabil de proiect**

Fa3. ***"Analiza calitaţii unor surse de apă din foraje şi a celor din reţeaua de alimentare aferentă".*** Contract nr. 557/09 02 2004, cu dotarea laboratorului de ***Biochimia Mediului*** cu echipamente moderne in concordanta cu standardele în vigoare, reactivii şi sticlăria necesara

desfăşurării activităţilor de cercetare cât şi activităţilor didactice; 2004-2006; **responsabil de proiect**

Fb1. ***„Tehnologii noi pentru obţinerea de fertilizanţi solizi conţinând azot şi sulf pentru asigurarea solurilor cu sulf solubil”*** RELANSIN, 43-20-30, nr. 886/2000; 2000-2002, **membru echipa**

Fb2. **“*Relansarea economica prin retehnologizare si modernizare a proceselor de obtinere a ingrasamintelor lichide pentru piata interna”***, RELANSIN, 374, 24.12.1999.S.C., Turnu S.A, Turnu Magurele, **membru echipă.**

Fb3.*“Municipal Solid/Industrial Waste Management”,*în cadrul “Romania-Italy Cooperation in the Field of Environmental Protection and Sustainable Development Bucharest - Ilfov County”, **Daniela Simina Stefan**-membru în colectivul de lucru, realizat cu participarea Ministerului Mediului si Dezvoltarii Durabile –Romania, reprezentat de Agenţia Regională pentru Protectia Mediului(ARPM)în calitate de coordonator proiect din partea României şi Ministerul Ambientului, Teritoriului si Marii din Italia, reprezentat prin GLEN- Global Environment-Italia, proiect Finantat de Guvernul Italiei, 2007-2009; **membru echipă.**

Fb4. ***Investigationin to the actual condition on the middle latitude of the world for environmental preservation”,*** Proiect de colaborare intre Tokushima University si Facultatea de Chimie Industriala, 2005, **membru echipă.**

Fb5.*“ Managementul de Mediu in Romania”* 29-30 septembrie 2003 şi pentru dotarea laboratorului de ProtectiaCalitatii Aerului din cadrul Catedrei de Tehnologie Chimica Anorganica si Protectia Mediului finantat de JICA, 2003-2004, **membru echipă.**

Fb6. ***Procese de transport a poluanţilor (produse petroliere, metale grele)”.*** Contract nr. 43-20-19/2003 (ICIM A16), 2003, **membru echipă.**

Fb7. Rodica Stănescu- director, **Daniela Simina Ştefan-*“Coeficienţi de dispersie /difuzie în apele subterane”***. Contract nr. 43-20-17/2003 (ICIM A15), 2003, coautor,

Fb8. ***“Problem based learning through Science Shops in Romania”*** – Proiect Matra (international) finantat de Ministerul de Externe al Olandei, 2002-2005, **membru echipă.**

Fb9 ***“Coeficienţi de dispersie /difuzie în apele subterane pentru metale grele respectiv produse petroliere”***Contract nr. 43-20-14/2002, *(UPB*- ICIM A14), 2002-2003, **membru echipă.**

Fb10. ***Caracterizarea evoluţiei spaţio- temporale a calităţii apelor subterane din aria conului aluvionar Mureş şi a tendinţelor pe termen scurt şi mediu”,***Contract nr. 43-20-06/2002 (ICIM A6). 2002, **membru echipă.**

Fb11. *„Studiul privind controlul proceselor de epurare de tip aerob-anaerob*”, ICIM, Contract nr. 43-99-18/1999, 1999 – 2000, **membru echipă.**

Contracte cu Terti in cadrul IPROCHIM SA

1. ***Raport la Bilanţ de mediu nivel II, Ferma zootehnica S.C. PRESMAR S.R.L****, Complex Tămădău Mare****, beneficiar PRESMAR S.R.L,* **in calitate de elaborator lucrare, 2012*;***

2. Studiu de fezabilitate - Realizarea instalatiei de epurare ape menajere – Uzina Işalniţa*, beneficiar, Complex Energetic Oltenia S.A,* **in calitate de tehnolog, 2012**;

3. Memoriu de prezentare pentru Dezafectare/Demontare instalaţie de acid sulfuric de pe platforma S.C. Amurco S.R.L. Bacău, *beneficiar Amurco S.R.L. Bacău,* **in calitate de elaborator de lucrare, 2012;**

4. Documentaţie dezafectare/demolare Reper 2. Clădiri, Reper 2.3. Documentatie pentru obtinerea acordului de mediu, *OMV PETROM S.A. Business Division Chemicals (DOLJCHIM),* **in calitate de elaborator de lucrare**, **2012*;***

5. Analiza comparativă a instalaţiilor existente la JACKMORIS DISTRIBUTION S.R.L, La Tararo SRL, EURO CHICKEN SRL cu cele mai bune tehnici disponibile în domeniul creşterii intensive a păsărilor, *beneficiari: JACKMORIS DISTRIBUTION S.R.L, La Tararo SRL, EURO CHICKEN SRL,* **in calitatea de elaborator de lucrare, 2013;**

6. ***Studiu de fezabilitate – Realizarea unei instalatii de biogaz de capacitate 100 mc biogaz/zi,*** *beneficiar IPROCHIM SA****,*** **in calitate de tehnolog, 2015;**

7. Studiu de fezabilitate – Realizarea unei instalatii de biogaz cu capacitatea de 450mc biogaz /zi cu cogenerare, *beneficiar IPROCHIM SA,* **in calitate de tehnolog, 2015;**

8. Studiu de fezabilitate – Realizarea unei instalatii de compostare care capacitatea de 10 000 deseuri/luna, *beneficiar IPROCHIM SA,* **in calitate de tehnolog, 2016;**

VII. Comunicări ştiinţifice nepublicate conferinte E. Lucrări prezentate la diferite seminarii /expoziţii, conferinţe, etc.

E1. Daniela Simina Ștefan, Nicolae Sdrula , Corneliu Craiu , ***The Biogas - a Significant Vector Assuring Energy for Romanian Villages from Renewable Sources***, SICHEM , 06.09.2018.

E2. **Daniela Simina Ștefan**, Augustin Ofițeru, Nicolae Sdrula, Corneliu Craiu, ***Integration of Biogas Plants Into Existing Energetic Flux Turning in Account Local Bio-Waste Resources***, RoEnergy, Bucharest, 05-11.May 2018

E3. Daniela Simina Ştefan, Cristina Orbeci, Maria Mihaly, Mircea Stefan, ***Methods to Removal of Hydrogen Sulfide, Ammonium, Manganese, and Iron from Natural Water,*** **20th** RICCCE, 6-9 september, 2017Poiana Brasov, Romania, poster

E4. Cristina Orbeci, Annette Madelene Dăncilă, Cristina Modrogan**, Daniela Simina Ştefan,** ***Removal of Low Biodegradable Organic Compounds from Wastewater***, 20th RICCCE, 6-9 september, Poiana Brasov, Romania, oral presentation.

E5. Daniela Simina Ştefan, Cristina Orbeci, MirceaStefan*, Rodica Stănescu ***Afforestation/refforestation, a simply and cheay way to reduce the effect of climate change,*** , "International Conference of Health and Environment" USCEK 2017 din 23-25 octombrie in Adana, Turcia., EP-39, pag 435.

E6. Cristina Orbeci, **Daniela Simina Ştefan**, Rodica Stănescu, ***Removal of 2,4 –DCP from Wastewater,*** "International Conference of Health and Environment" USCEK 2017 din 23-25 octombrie in Adana, Turcia, EP-40, pag 436.

E7. Daniela Simina Stefan, Nicolae Sdrula, Mircea Stefan, ***The biogas-a promising biofuel-saving fossil fuels and reducing exhausted greenhouses in Romania***, 6th International Conference PRONASEM, Bucharest, 11 12.11.2016, Romania, comunicare orală;

E8. Daniela Simina Stefan, Mircea Stefan, Cristina Orbeci, Nicolae Sdrula, Cristina Serbanescu**,** ***Carbon dioxide stored in trees a simple way to reducing greenhouse***, the XXXIVth Romanian Chemistry Conference, 04 -07 October, 2016, Caciulata, Valcea, Romania, comunicare orală

E9. Cristina Șerbănescu, Aurelia-Mihaela Oprescu, **Daniela-Simina Ștefan**, Mădălina Hrubaru, ***Major technologies for essential oil lavender: a short comparative overview***, SICHEM, 8 - 9 September, 2016, Bucharest, Romania, poster

E10. Daniela Simina Ștefan, Nicolae Sdrula, Cristina Orbeci, Cristina Șerbănescu, ***Biogas from algae a new perspective to reducing the natural water pollution and reducing exhausted greenhouses,*** SICHEM, 8 - 9 September, 2016, Bucharest, Romania, comunicare orală;

E11. Cristina Orbeci, **Daniela Simina Ştefan,** Mircea Ștefan, Rodica Anghel, ***Studies Regarding Succinic Acid Synthesis,*** SICHEM, 8 - 9 September, 2016, Bucharest, Romania. Poster;

E12.Cristina ORBECI, **Daniela Simina ŞTEFAN,** Annette Madelene DĂNCILĂ, ***Removal of antibiotics from wastewater using photocatalytic membranes,*** Advaces on Photocatalysis

ADVPhotoCat 2015, International Workshop 1st Edition, July 6-8 Iasi, Romania, comunicare orală;

E13. Cristina Orbeci, Cristina Modrogan, Annette Madelene Dancilă, **Daniela Simina Stefan,** ***Degradation of Organic Compounds from Industrial Pharmaceutical Effluent Through Advanced Oxidation Processes***, Advaces on Photocatalysis ADVPhotoCat 2015, International Workshop 1st Edition, July 6-8 Iasi, Romania, Poster

E14. Cristina Orbeci, **Daniela Simina Stefan**, ***Hybrid Membrane For Wastewater Treatment,*** RICCCE – Sibiu 3-5 septembrie, 2015, topics Monitoring & Environmental Protection, poster

E15. Aurelia Meghea, ***Simina Ștefan***, Irina Meghea, Adriana Borș, ***Strategies For Smart Management Of Water And Their National Territorial Impact For 2014-2020 Period***, EcoProWater 2015 (International Conference on Ecology and Protection of Marine and Freshwater Environments), Ediția I, 2015, 1-3 Octombrie 2015, Viterbo, Bena, Italia. comunicare orală;

E16. Nicolae Sdrula, ***Daniela Simina Ștefan***, ***The biogas – a renewable source of energy-Challenges and perspectives in Romania***, PRIOCHEM 2015 (Prioritățile Chimiei pentru o Dezvoltare Durabilă), Ediția a XI-a, 29-30 Octombrie 2015, București, comunicare orală;

E17. Nicolae Sdrula, ***Daniela Simina Ștefan***, ***Aspects of producing and utilization of biogas and biomethane in Romania,*** Romania Gas Conference 2015, Ediția a VII-a, 11-12 Noiembrie 2015, București, JW Marriott Bucharest Grand Hotel, comunicare orală;

E18. Nicole Sdrula, ***Daniela Simina Ștefan***, ***"Modele integrate de management al surselor de energie regenerabilă pentru zonele rurale din România",*** RENEXPO® South East Europe 2015, 17-18 Noiembrie 2015, a VII-a Conferință Internațională „Bioenergia în România", 17 Noiembrie 2015, București, Sala Palatului, comunicare orală.

E19. Daniela-Simina Ștefan, Nicoleta Neacșu, Aurelia-Mihaela Oprescu, Mircea Ștefan, Cristina Șerbănescu, ***"Distribution of Metals in Water, Sediments, Aquatic Plants And Fish From Snagov Lake, Romania",*** 10th Edition of the Environmental Legislation, Safety Engineering and Disaster Management (Elsedima), 18-19 Septembrie, 2014, Universitatea Babeș-Bolyai, Cluj-Napoca, poster.

E20. Daniela-Simina Ștefan, Nicolae Sdrula, ***"Clusterul Biogasinno, Promotor Activ În Utilizarea Resurselor Reziduale de Biomasă pentru Producere de Energie Eficientă",*** Seminar Medgreen, 15 Iulie, 2014, București-Chiajna, comunicare orală;

E21. Nicolae Sdrula, **Simina Ștefan,** Mihaela Oprescu, Cristina Șerbănescu, ***"Biogazul – o sursă alternative, promițătoare și nepoluantă de producere energie"***, A XXXIII-a Conferință Națională de Chimie, 1-3 Octombrie, Călimănești-Căciulata, Vâlcea, 2014, comunicare orală;

E22. Nicolae Sdrula, **Daniela Simina Ştefan,** ***The biogas – a smart prospective solution for renewable energy and environmental protection,*** AQUALIRES 2014, 17-18 Ianuarie, INCDPDM, Bucureşti, comunicare orală;

E23. Constantinescu R. R., Zainescu G., **Stefan D. S.,** Meghea A., Sirbu C, Voicu P. ***„Research On Obtaining Nutritional Substrates From Protein Biocomposites",*** Icams 2014, The 5th International Conference on Advanced Materials and Systems, Bucharest, Romania, 23-25 Octombrie, 2014, comunicare orală.

E24.Daniela Simina Ştefan, Irina Meghea, ***Removal of Ca^{2+}, Ni $^{2+}$, Pb^{2+} and Al^{3+} Ions from Aqueous Solutions On S 930 Ion Exchange Resin,*** RICCCE 18 – Sinaia, Romania **2013**, comunicare orală;

E25. Nicolae Sdrula, Daniela Simina Ștefan, Ioan Frăsineanu, ***Valorization of marine and on shore sources of biomass and wastes for biogas production,*** Black See 4th Bi-annual Scientific Conference, 28 – 31.10.**2013**, comunicare orală.

E26 Nicolae Sdrula, **Daniela Simina Ştefan**, Vasile Nikolic, ***The biogas – an important challenge for near and long future in Romania,*** PRIOCHEM Conference, INCD – ICECHIM, 24 – 25.10.**2013**, comunicare orală

E27. Nicolae Sdrula, **Daniela Simina Ştefan**, Ioan Frasineanu, ***Aspects of biogas technology - as important issue for energy saving and environmental protection***, RENS2013 – BENA Conference, University of Shkodra, Albania, 15-16. 11.**2013**, comunicare orală.

E28. Nicolae Sdrula, Vasile Nikolic, Augustin Ofiteru, **Daniela Simina Ştefan**,, ***ABR's approach on current and prospective situation in Romania for waste biomass and related***, RENEXPO – Fair for renewable energies – , Bucharest, 21 – 23.11. **2013**, comunicare orală.

E29. Mirela Pantazi, Gabriela Macoveanu, **Simina Ştefan**, Ana Maria Vasilescu, ***Evaluating risks of allergy to chromum released from footwear***, ICAMS **2012**-4th International Conference on Advanced Materials and Systems, Bucharest Romania, comunicare orală.

E30. Ganea Ancuta, Neacsu Nicoleta, **Ştefan Daniela Simina**, ***Selectivity of S 930 ion exchange resin regarding Ca^{2+} and Ni^{2+} ions from aqueous solutions***,International Symposium: ***The Environmental and Industry"*** –SIMI, National Research and Development Institute of Industrial ecology, INCD ECOIND, Bucuresti, 15-19 noiembrie **2011**, poster.

E31. Ilioiu Raluca, **Ştefan Daniela Simina**, ***Study of influence of Carbon/Nitrogen ration on Compost of cellulosic waste***, International Symposium: The Environmental and Industry" – SIMI, National Researchand Development Institute of Industrial Ecology, INCD ECOIND, Bucuresti, 15-19 noiembrie **2011**, ISSN 1843-5831, poster.

E32. **Daniela Simina Ştefan**, Irina Meghea, ***Selective sorption of Ca^{2+} and Pb^{2+} ions from aqueous solutions on S 930 ion exchange resin, 2011***, International U. A. B. – B. En. A. Conference-Environmental Engineering and Sustainable Development -Alba Iulia, Romania, May 26-27th, **2011**, comunicare orală.

E33. Ion Untea, Annette Madelene Dancilă, Cristina Orbeci, **Daniela Simina Ştefan**, ***„Regeneration of ZnO-TiO_2 desulphurization sorbents- ZnO-TiO_2 molar ratio and the sorbent particles size influence"***, 16th Romanian International Conference on Chemistry and Chemical Engineering, Sinaia, România, 9-12 Septembrie **2009,** comunicare orală.

E34. Daniela Simina Ştefan, Cristina Costache, Mihai Belcu, Aurelia Meghea, ***„The study of biodegradability of some plastic packages from romanian market",*** 16th Romanian International Conference on Chemistry and Chemical Engineering, Sinaia, România, 9-12 Septembrie **2009,** în cadrul Workshop Development of strategic academia-industry partenership for Knowledge management in environmental friendly technologies, ISSN: 2066-8341, pp 45-51, poster.

E35. Daniela Simina Ştefan, Carmen Ieşan, Ion Untea, Cristina Orbeci, MadeleneDancilă, ***„The selectivitystudy of NO3- ions retention from aqueous solutions by ion exchange using*** *A520E type resins"*, International Symposium: The Environmentaland Industry" – SIMI-, Bucuresti 28-30 octombrie **2009**, ISSN 1843-5831, poster.

E36. Daniela Simina Ştefan, Dumitru Turtoi, Anca Ileana-Penu, Cristina Costache, Cicerone Marinescu, ***„The Study of Sawdust and Mark Fruits Biomass Using (capitalisation) by Briquetting",*** International Symposium: The Environmentaland Industry" –SIMI-, Bucuresti 28-30 octombrie **2009**, poster.

E37. Daniela Simina Ştefan, Constantin Nicolescu, ***„Consideration regrading the nitrate concentration reduction in water that transit the drainage works",*** Workshop Polsol 2009, Water, Soil and Groundwater Pollution with Nitrogen Compounds, Bucharest, Romania, May, **2009**, prezentare orală.

E38. I. Untea, **Simina Ştefan,** M Stefan, Violeta Neagu, Cornelia Luca**,** ***„Hg^{2+} from aqueous solutions by sorption on new amide functionalized copolymers. Thermodynamic and kinetics experimental data",*** In Recent Advances in Ion Exchange and Practice, Proceedings of IEX 2008 by Society of Chemical Industry (SCI), World Hedquarters, 14/15 Belgrave Square, LONDON, SWIX 8PS, prezentare orală.

E39. Daniela Simina Ştefan, Rusu Neguta, Bona Radu, Mircea Stefan, ***„Study of Diesel Oil Sorption On natural and Synthetical Sorbents”***, International Symposium: The Environmentaland Industry" –SIMI-, Bucuresti 25-27 octombrie **2007**, poster.

E40. Daniela Simina Ştefan, M. Ştefan, Ştefania Stoleru, ***„Study of Heavy Metal Sorption on Natural Cellulosic Wastes”, I. SEM and EDX evidence for the adsorption of Cu(II) and Zn(II) on corn cobs”***,14th Romanian International Conference on Chemistry and Chemical Engineering, Bucureşti, România, 22-24 Septembrie**2005**, poster

E41. Daniela Simina Ştefan, M. Ştefan, ŞtefaniaStoleru, ***„Study of Heavy Metal Sorption on Natural Cellulosic Wastes II. Kinetical Study for the Biosorption of Cu(II) and Zn(II)”***14th Romanian International Conference on Chemistry and Chemical Engineering, Bucureşti, 22-24 septembrie**2005**, poster.

E42. Daniela Simina Ştefan, M Ştefan, Cristina Costache, Rodica Stănescu ***"Removal of Heavy Metals ions from Wastewaters of Natural Cellulosic Waste”***, 13th Romanian International Coference on Chemistry and Chemical Engineering, Bucureşti, România, Septembrie **2003**, comunicare orală

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