

**Lucrări prezentate la diferite seminarii /expoziții, conferințe, etc.**

- E1.** Georgica Pandelea (Voicu), Mirela Călinescu, Ivona Enescu (Mazilu), **Simina Daniela Ștefan**, Camelia Ungureanu, *Influence of Two Different Origin Composts on Aronia Melanocarpa and Ribes Rubrum Crop Performance*, 14<sup>th</sup> International Scientific Symposium 2021, Current Trends In Natural Sciences, 28 – 30 May, Pitesti, Romania, 2021, <https://natsci.upit.ro/international-symposium/>
- E2.** Alina Pahonțu, Rosana Draganescu, **Daniela Simina Ștefan**, *The influence of Bisphenol A on environment life*, 14<sup>th</sup> International Scientific Symposium 2021, Current Trends in Natural Sciences, 28–30 May, Pitesti, Romania, 2021, <https://natsci.upit.ro/international-symposium/>
- E3.** Georgica Pandelea (Voicu), **Daniela-Simina Ștefan**, Mirela Florina Călinescu, Ivona Cristina Enescu (Mazilu), Camelia Ungureanu, *The Benefits of Applying Compost in Agriculture as Aronia Crops Fertilizer*, International Symposium PRIOCHEM, “Priorities of Chemistry for a Sustainable Development” October 27-29, 2021, Bucharest, Romania
- E4.** **Daniela Simina Ștefan**, Lesnic Mihai, Magdalena Bosomoiu, Adrian Peticila, Mircea Ștefan, Florica Stoica *Nouvelles perspectives européennes dans le traitement de l'eau*, Séminaire d'étude : L'eau, l'énergie et l'électrification dans les pays en développement, CLICHY les 9 et 10 novembre 2021, Assemblée des directeurs d'IUT
- E5.** Ioana Corina Moga, Simina Daniela **Ștefan**, Mihai Lesnic, Gheorghe Pauna, Mircea **Ștefan**, Alexandru Datcu-Manea, Andreea Maria Monea, Gabriel Petrescu, *Water treatment plant for small domestic applications*, The 13<sup>th</sup> Edition of Euroinvent, 2021, European Exhibition of Creativity and Innovation, Gold Medal
- E6.** Mihai LESNIC1, **Daniela Simina Ștefan**, Ioana Corina Moga, Mircea **Ștefan** , *Uncomprehensive Requirements for Drinking Water Hardness: Conservation Indicators*, EUROINVENT, International Conference on Innovative Research, ICIR 2021, May 20<sup>th</sup> to 21<sup>st</sup>, 2021, Iasi – Romania
- E7.** Georgica Pandelea (Voicu), Mirela Florina Călinescu, Ivona Cristina Enescu(Mazilu), **Daniela-Simina Ștefan**, Camelia Ungureanu, *Use the Two Different Origins Composts Influence Over Fruits Quality and Leaves Mineral Accumulation In Aronia Melanocarpa(Michx) Elliot Berries, Nero Cultivar*, First Edition of AdFoodChem International Conference, 15-17<sup>th</sup> April 2021, Bucharest Romania.
- E8.** **Daniela Simina Ștefan**, Cristina Orbeci, Maria Mihaly, Mircea Ștefan, *Methods to Removal of Hydrogen Sulfide, Ammonium, Manganese, and Iron from Natural Water*, 2019, Bramat, 11<sup>th</sup> International Conference on Material Science, Transilvania University of Brasov-Romania, Materials Science and Engineering Faculty.
- E2.** Ionul Alexandru Savu Radu, **Daniela Simina Ștefan**, Vasile Lavric, Mircea Ștefan, *Comparative Study of the Performance of Adsorbents, Used in Water and Wastewater Treatment*, 2019, 21<sup>st</sup> Romanian International Conference on Chemistry and Chemical Engineering, Constanta-Mamaia, Romania, September 4-7, 2019.
- E3.** **Daniela Simina Ștefan**, Ana Maria Manea, Aurelia Meghea, Mircea Ștefan, *Study of the Biodegradability and the Leachability of Composite Fertilizers Obtaining from Pelt skin waste*, 2019, 21<sup>st</sup> Romanian International Conference on Chemistry and Chemical Engineering, Constanta-Mamaia, Romania, September 4-7, 2019.
- E4.** Manea-Saghin, Ana-Maria; **Ștefan, Daniela Simina**; Zainescu, Gabriel; Kallitsis, Joannis K; Meghea, Aurelia. *Release of Organic Compounds from Different Types of Fertilizers Obtained From Skin Waste*, International Multidisciplinary Scientific GeoConference: SGEM; Viena, 3-6 decembrie (2019), DOI:10.5593/sgem2019V/4.2/S05.018

- E5. Daniela Simina Ștefan**, Manea-Saghin, Ana-Maria; Meghea, Aurelia; Ștefan, Mircea, *Biodegradation of Composite Fertilizers in Aerobic Aqueous and Composting Conditions*, International Multidisciplinary Scientific Geoconference: SGEM; Albena, 2019, June 28 -July 7 Vol.19, Iss.3.2, (2019), Doi:10.5593/Sgem2019/3.2/S13.007
- E6. Daniela Simina Ștefan**, Ana-Maria Manea-Saghin, Gabriel Zăinescu, Aurelia Meghea, Mircea Ștefan, *Comparative methods for skin and hide waste capitalisation*, 18th International Multidisciplinary Scientific GeoConference SGEM, 3 - 6 December, 2018, Viena, Volume 18, Issue 6.4, 2018, Pages 95-102, DOI: 10.5593/sgem2018V/6.4/S08.013
- E7. Daniela Simina Ștefan**, Irina Meghea, Mircea Ștefan, *Comparatively study of removal of hydrogen sulfide and ammonium from natural water using oxygen, air and chloride*, GeoConference SGEM 2018, Vol 18www.sgem.org, Conference Proceedings, ISBN 978-619-7105-38-4 / ISSN 1314-2704, June 30 - July 9, 2018, Vol 18, pag. 227-234, DOI: 10.5593/sgem2018/5.2
- E8. Daniela Simina Ștefan**, Nicolae Sdrula , Corneliu Craiu , *The Biogas - a Significant Vector Assuring Energy for Romanian Villages from Renewable Sources*, SICHEM , 06.09.2018
- E9. 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
- E10. Daniela Simina Ștefan**, Cristina Orbeci, Maria Mihaly, Mircea Ștefan, *Methods to Removal of Hydrogen Sulfide, Ammonium, Manganese, and Iron from Natural Water*, 20<sup>th</sup> RICCCE, 6-9 september, 2017, Poiana Brasov, Romania, poster
- E11. Cristina Orbeci**, Annette Madelene Dăncilă, Cristina Modrojan, **Daniela Simina Ștefan**, *Removal of Low Biodegradable Organic Compounds from Wastewater*, 20<sup>th</sup> RICCCE, 6-9 september, Poiana Brasov, Romania, oral presentation.
- E12. Daniela Simina Ștefan**, Cristina Orbeci, Mircea Ștefan\*, Rodica Stănescu *Afforestation/reafforestation, 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.
- E13. Cristina Orbeci**, **Daniela Simina Ștefan**, 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.
- E14. Daniela Simina Ștefan**, Nicolae Sdrula, Mircea Ștefan, *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;
- E15. Daniela Simina Ștefan**, Mircea Ștefan, Cristina Orbeci, Nicolae Sdrula, Cristina Șerbanescu, *Carbon dioxide stored in trees a simple way to reducing greenhouse*, the XXXIV-th Romanian Chemistry Conference, 04 -07 October, 2016, Caciulata, Valcea, Romania, comunicare orală
- E16. 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
- E17. 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;
- E18. Cristina Orbeci**, **Daniela Simina Ștefan**, Mircea Ștefan, Rodica Anghel, *Studies Regarding Succinic Acid Synthesis*, SICHEM, 8 - 9 September, 2016, Bucharest, Romania. Poster;

- E19.** Cristina ORBECI, **Daniela Simina Ștefan**, Annette Madelene DĂNCILĂ, *Removal of antibiotics from wastewater using photocatalytic membranes*, Advances on Photocatalysis ADVPhotoCat 2015, International Workshop 1<sup>st</sup> Edition, July 6-8 Iasi, Romania, comunicare orală;
- E20.** Cristina Orbeci, Cristina Modrojan, Annette Madelene Dancilă, **Daniela Simina Ștefan**, *Degradation of Organic Compounds from Industrial Pharmaceutical Effluent Through Advanced Oxidation Processes*, Advances on Photocatalysis ADVPhotoCat 2015, International Workshop 1<sup>st</sup> Edition, July 6-8 Iasi, Romania, Poster
- E21.** Cristina Orbeci, **Daniela Simina Ștefan**, *Hybrid Membrane For Wastewater Treatment*, RICCCCE – Sibiu 3-5 septembrie, 2015, topics Monitoring & Environmental Protection, poster
- E22.** 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;
- E23.** 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;
- E24.** 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;
- E25.** 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.
- E26.** **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.
- E27.** **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;
- E28.** Nicolae Sdrula, **Simina Ștefan**, Mihaela Oprescu, Cristina Șerbănescu, *“Biogazul – o sursă alternativă, promițătoare și nepoluantă de producere energie”*, A XXXIII-a Conferință Națională de Chimie, 1-3 Octombrie, Călimănești-Căciulata, Vâlcea, 2014, comunicare orală;
- E29.** Nicolae Sdrula, **Daniela Simina Ștefan**, *The biogas – a smart prospective solution for renewable energy and environmental protection*, AQUALIRES 2014, 17-18 Ianuarie, INCDPDM, București, comunicare orală;
- E30.** Constantinescu R. R., Zainescu G., **Ștefan 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.

- E31. Daniela Simina Ștefan**, Irina Meghea, *Removal of Ca<sup>2+</sup>, Ni<sup>2+</sup>, Pb<sup>2+</sup> and Al<sup>3+</sup> Ions from Aqueous Solutions On S 930 Ion Exchange Resin*, RICCE 18 – Sinaia, Romania 2013, comunicare orală;
- E32. Nicolae Sdrula**, **Daniela Simina Ștefan**, Ioan Frăsineanu, *Valorization of marine and on shore sources of biomass and wastes for biogas production*, Black Sea 4th Bi-annual Scientific Conference, 28 – 31.10.2013, comunicare orală.
- E33 Nicolae Sdrula**, **Daniela Simina Ștefan**, Vasile Nikolic, *The biogas – an important challenge for near and long future in Romania*, PRIOCHEM Conference, INCD – ICECHIM, 24 – 25.10.2013, comunicare orală
- E34. Nicolae Sdrula**, **Daniela Simina Ștefan**, Ioan Frăsineanu, *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.
- E35. Nicolae Sdrula**, Vasile Nikolic, Augustin Ofiteru, **Daniela Simina Ștefan**, *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.
- E36. Mirela Pantazi**, Gabriela Macoveanu, **Simina Ștefan**, 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.
- E37. Ganea Ancuta**, Neacsu Nicoleta, **Ștefan Daniela Simina**, *Selectivity of S 930 ion exchange resin regarding Ca<sup>2+</sup> and Ni<sup>2+</sup> 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.
- E38. Ilioiu Raluca**, **Ștefan Daniela Simina**, *Study of influence of Carbon/Nitrogen ration on Compost of cellulosic waste*, International Symposium: "The Environmental and Industry" –SIMI, National Research and Development Institute of Industrial Ecology, INCD ECOIND, Bucuresti, 15-19 noiembrie 2011, ISSN 1843-5831, poster.
- E39. Daniela Simina Ștefan**, Irina Meghea, *Selective sorption of Ca<sup>2+</sup> and Pb<sup>2+</sup> 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 26-27<sup>th</sup>, 2011, comunicare orală.
- E40. Ion Untea**, Annette Madelene Dancilă, Cristina Orbeci, **Daniela Simina Ștefan**, *„Regeneration of ZnO-TiO<sub>2</sub> desulphurization sorbents- ZnO-TiO<sub>2</sub> molar ratio and the sorbent particles size influence”*, 16<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering, Sinaia, România, 9-12 Septembrie 2009, comunicare orală.
- E41. Daniela Simina Ștefan**, Cristina Costache, Mihai Belcu, Aurelia Meghea, *„The study of biodegradability of some plastic packages from romanian market”*, 16<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering, Sinaia, România, 9-12 Septembrie 2009, în cadrul Workshop Development of strategic academia-industry partnership for Knowledge management in environmental friendly technologies, ISSN: 2066-8341, pp 45-51, poster.
- E42. Daniela Simina Ștefan**, Carmen Ieșan, Ion Untea, Cristina Orbeci, Madelene Dancilă, *„The selectivity study of NO<sub>3</sub>- ions retention from aqueous solutions by ion exchange using A520E type resins”*, International Symposium: "The Environmental and Industry" – SIMI-, Bucuresti 28-30 octombrie 2009, ISSN 1843-5831, poster.
- E43. Daniela Simina Ștefan**, 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, poster.

- E44. Daniela Simina Ștefan**, 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.
- E45. I. Untea, Simina Ștefan, M Ștefan, Violeta Neagu, Cornelia Luca**, „*Hg<sup>2+</sup> 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.
- E46. Daniela Simina Ștefan**, Rusu Neguta, Bona Radu, Mircea Ștefan, „*Study of Diesel Oil Sorption On natural and Synthetical Sorbents*”, International Symposium: The Environmentaland Industry” –SIMI-, Bucuresti 25-27 octombrie 2007, poster.
- E47. Daniela Simina Ștefan**, M. Ștefan, Ștefania 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**”, 14<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering, București, România, 22-24 Septembrie 2005, poster
- E48. Daniela Simina Ștefan**, M. Ștefan, ȘtefaniaStoleru, „*Study of Heavy Metal Sorption on Natural Cellulosic Wastes II. Kinetical Study for the Biosorption of Cu(II) and Zn(II)*” 14<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering, București, 22-24 septembrie 2005, poster.
- E49. Daniela Simina Ștefan**, M Ștefan, Cristina Costache, Rodica Stănescu “*Removal of Heavy Metals ions from Wastewaters of Natural Cellulosic Waste*”, 13<sup>th</sup> Romanian International Coference on Chemistry and Chemical Engineering, București, România, Septembrie 2003, comunicare orală
- E50. M. Ștefan, Daniela Simina Ștefan**, Liliana Bobirică, “*Effect of Interlayer Cation on Metals Cation Sorption to Clay from Waste Water*”, 13<sup>th</sup> Romanian International Coference on Chemistry and Chemical Engineering, București, România, Septembrie 2003 comunicare orală.
- E51. Daniela Simina Ștefan**, Cristina Lăzăroiu, Cristina Costache, I. Constantinescu, Rodica Stănescu, “*Preliminary test of Sorption Properties of Natural Cellulosic Wastes for Heavy Metals Removal from Waters*”, 12<sup>th</sup> Romanian International Coference on Chemistry and Chemical Engineering (RICCCE), București, România, Septembrie 2001, Comunicare orală.
- E52. A. Drost, G. Apostol, Ruxandra Govoreanu, Daniela Simina Ștefan**, Rodica Stănescu, Cristina Costache, Sz. Lanyi, I. Constantinescu “*Potassium Ion Dynamics in Sandy Soils*” 11<sup>th</sup> Romanian International Coference on Chemistry and Chemical Engineering, București, Septembrie 1999, România, comunicare orală.
- E53. Ruxandra Govoreanu, G. Apostol, Daniela Simina Ștefan**, Cristina Costache, Rodica Stănescu, Sz. Lanyi, I. Constantinescu “*Studiul optimizării procesului de coagulare floclulare pe baza unor modele empirice*” 11<sup>th</sup> Romanian International Coference on Chemistry and Chemical Engineering (RICCCE), București, Septembrie 1999, România, comunicare orală,
- E54. Daniela Simina Ștefan**, C-tin Bobirica, Cristina Modrogan, Rodica Stanescu, „*Implicatii la Nivel Educational ale Implementarii Agendei 21 Locale*”, Conferința Nationala pentru dezvoltare Durabila, București, 13 iunie 2003, comunicare orală.