

Lista completa de lucrări publicate/ comunicate în țară și sau în străinătate

1. Articole publicate:

Articole ISI

- [1] Badea, S.L., Vogt, C., Weber, S., Danet, A.F. and Richnow, H.H. (2009). Stable Isotope Fractionation of gamma-Hexachlorocyclohexane (Lindane) during Reductive Dechlorination by Two Strains of Sulfate-Reducing Bacteria. *Environmental Science & Technology* 43(9): 3155-3161. (IF of 7.149 (2018), 55 citations on Web of Science).
- [2] Badea, S.L., Vogt, C., Gehre, M., Fischer, A., Danet, A.F. and Richnow, H.H. (2011). Development of an enantiomer-specific stable carbon isotope analysis (ESIA) method for assessing the fate of alpha-hexachlorocyclohexane in the environment. *Rapid Communications in Mass Spectrometry* 25(10): 1363-1372. (IF of 2.045 (2018), 35 citations on Web of Science).
- [3] Badea, S.L., Lundstedt, S., Liljelind, P. and Tysklind, M. (2013). The influence of soil composition on the leachability of selected hydrophobic organic compounds (HOCs) from soils using a batch leaching test. *Journal of Hazardous Materials* 254–255: 26-35. (IF of 7.650 (2018), 17 citations on Web of Science)
- [4] Badea, S.L., Mustafa, M., Lundstedt, S. and Tysklind, M. (2014). Leachability and desorption of PCBs in soil and their dependency on pH and dissolved organic matter, *Science of the Total Environment* 499: 220–227 (IF of 5.589 (2018), 10 citations on Web of Science)
- [5] Badea, S.L., Danet, A.F. (2015). Enantioselective stable isotope analysis (ESIA) -A new concept to evaluate the environmental fate of chiral organic contaminants, *Science of the Total Environment*, 514: 459–466, (IF of 5.589 (2018), 12 citations on Web of Science)
- [6] Badea, S.L., Niculescu, V., Ionete R.E., Eljarrat, E. (2016). Advances in enantioselective analysis of chiral brominated flame retardants. Current Status, Limitations and Future Perspectives, *Science of the Total Environment*, 566: 1120-1130, (IF of 5.589 (2018), 4 citations on Web of Science)
- [7] Buga, M., Rizoiu, A., Bubulinca, C., Badea, S.L., Ciocan, A., Chitu, A., (2018) Study of LiFePO₄ Electrode Morphology for Li-Ion Battery Performance, *Revista de Chimie* 69 (3): 549-552, (IF of 1.605 (2018), 1 citation on Web of Science)
- [8] Badea, S.L., Enache, S., Tamaian, R., Niculescu, V., Varlam, M., Pirvu, C. (2019) Enhanced open circuit voltage and power for two types of microbial fuel cells in batch experiments using *Saccharomyces cerevisiae* as biocatalyst, *Journal of Applied Electrochemistry*, 49 (1): 17-26, (IF 2.366 (2018), 1 citation on Web of Science)\
- [9] Badea, S.L., Geana, E.I., Niculescu, V., Ionete R.E. (2020) Recent progresses in analytical GC and LC mass spectrometric based-methods for the detection of emerging chlorinated and brominated contaminants and their transformation products in aquatic environment, *Science of the Total Environment* 722: 137914, (Impact factor of 7.963 (2020))\
- [10] Badea, S.L., Ionete, R.E., Costinel, D., Nechita, C., Botu, M., Botoran, O.R. (2020) Changes of carbon-isotope ratios in soil organic matter relative to parent vegetation and site specificity.

- Notulae Botanicae Horti Agrobotanici Cluj-Napoca* 48: 2085-2094, (Impact factor of 1.444 (2020))
- [11] Badea, S.L., Stegarus, D.I., Niculescu, V.C., Enache, S., Soare, A., Ionete, R.E., Gori, D., Höhener, P., (2021). Dehalogenation of α -hexachlorocyclohexane by iron sulfide nanoparticles: Study of reaction mechanism with stable carbon isotopes and pH variations. *Science of the Total Environment* 801: 149672, (Impact factor of 7.963 (2020))
 - [12] Badea, S. L.; Botoran, O. R.; Ionete, R. E., Recent Progresses in Stable Isotope Analysis of Cellulose Extracted from Tree Rings. *Plants-Basel* **2021**, *10* (12). (Impact factor of 4.6581 (2021), 1 citation on Web of Science)
 - [13] Badea, S. L.; Niculescu, V. C., Recent Progress in the Removal of Legacy and Emerging Organic Contaminants from Wastewater Using Metal-Organic Frameworks: An Overview on Adsorption and Catalysis Processes. *Materials* **2022**, *15* (11). (Impact factor of 3.748 (2021), 1 citation on Web of Science)
 - [14] Ciucure, C. T.; Geana, E. I.; Chitescu, C. L.; Badea, S. L.; Ionete, R. E., Distribution, sources and ecological risk assessment of polycyclic aromatic hydrocarbons in waters and sediments from Olt River dam reservoirs in Romania. *Chemosphere* **2023**, *311*. (Impact factor of 8.943 (2021))
 - [15] Badea, S.-L.; Niculescu, V.-C.; Iordache, A.-M., New Trends in Separation Techniques of Lithium Isotopes: A Review of Chemical Separation Methods. *Materials* **2023**, *16* (10), 3817. (Impact factor of 3.748 (2021)).
 - [16] Badea, S. L.; Niculescu, V. C.; Popescu, D. I.; Geana, E. I.; Ciucure, C. T.; Botoran, O. R.; Ionete, R. E., Recent progresses in compound specific isotope analysis of halogenated persistent organic pollutants. Assessing the transformation of halogenated persistent organic pollutants at contaminated sites. *Science of the Total Environment* **2023**, 899.
 - [17] Bucura, F.; Spiridon, S. I.; Ionete, R. E.; Marin, F.; Zaharioiu, A. M.; Armeanu, A.; Badea, S. L.; Botoran, O. R.; Ionete, E. I.; Niculescu, V. C.; Constantinescu, M., Selectivity of MOFs and Silica Nanoparticles in CO₂ Capture from Flue Gases. *Nanomaterials* **2023**, *13* (19).
 - [18] Constantinescu, M.; Bucura, F.; Roman, A.; Botoran, O. R.; Ionete, R. E.; Spiridon, S. I.; Ionete, E. I.; Zaharioiu, A. M.; Marin, F.; Badea, S. L.; Niculescu, V. C., A Study on the Ability of Nanomaterials to Adsorb NO and SO₂ from Combustion Gases and the Effectiveness of Their Separation. *Nanomaterials* **2024**, *14* (10).
 - [19] Badea, S. L.; Cristea, N. I.; Niculescu, V. C.; Korolova, Y.; Enache, S.; Soare, A.; Tiliakos, A.; Botoran, O. R.; Ionete, R. E.; Hohener, P., Degradation study of δ -hexachlorocyclohexane by iron sulfide nanoparticles: Elucidation of reaction pathway using compound specific isotope analysis and pH variation. *Environmental Pollution* **2025**, 364. (Impact factor of 7.3 (2024), 2 citari).
 - [20] Badea, S.-L., Constantin, C., Badulescu, L., Development and validation of a GC-MS-MS Methods for the Detection of Organochlorine and Organophosphate Pesticides in Compost and Soil, *Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying*,

Environmental Engineering, 2025, XIV, 52-57, factor de impact 0.6 (2024),
<https://landreclamationjournal.usamv.ro/index.php/scientific-papers/current?id=760>

- [21] Badea, S.L., Niculescu, V., Verziu, M.N., Ene, T.A., Badulescu, L.A., Fenton and Photo-Fenton degradation of chlorpiryfos using α -Mn₂O₃ heterogeneous catalysis, *International Journal of Molecular Sciences*, Under review

Lucrari publicate in reviste si volume de specialitate fara cotate ISI

- [1] Badea, S. L.; Vogt, C.; Weber, S.; Danet, A. F.; Richnow, H. H., Stable Isotope Fractionation of Hexachlorocyclohexanes During Reductive Dechlorination. *Organohalogen Compounds* **2008**,70, 001097-001100, <http://www.dioxin20xx.org/pdfs/2008/08-843.pdf>
- [2] Badea, S.-L.;Lundstedt, S.; Liljelind, P.; Tysklind, M Assessment of the release of organic contaminants from soil using a batch leaching test. *Organohalogen Compounds* **2010**,72, 1514-1517, <http://www.dioxin20xx.org/pdfs/2010/10-1576.pdf>

2. Contributii Conferinte (selectie):

1. Silviu-Laurentiu Badea, Tudor Rosu, May 2003, University of Bucharest, Faculty of Physics, 2003 Annual Scientific Conference, Section Atmosphere and Earth Science, with the Oral Presentation "Study on Photochemical Model Applied to the Assessment of Ozone Concentrations in Ambient Air "
2. Silvia Chitimia, Silviu-Laurentiu Badea, Aurel Varduca, 6-8 June 2004, First International Conference on Environmental Education, EnvEdu 2004, "Trends in Environmental Education", organized by Transylvania University of Brasov, with the Oral Presentation "Persistent Organic Pollutants in the Danube River Basin-Project Proposal "
3. 17 December 2004, The Geography Institute of the Romanian Academy, The Workshop of the Young Researchers called "The Integrated Research of the Environment and Sustainable Development", Oral Presentation "Final Report of the B.EN.A.'s project "Persistent Organic Pollutants in the Danube River Basin "
4. Silviu-Laurentiu Badea, Violeta Stefan, Ioan Iorga, Radu Octavian Dumitru, Oral Presentation and Paper in Proceedings "Environmental Monitoring in the Decommissioning Activities of the Nuclear Research Reactor VVR-S from Bucharest-Magurele", The International Conference on Sustainable Energy-CSE 2005, 7-9 July 2005, University Transylvania of Brasov, Romania
5. 8-10 April 2005, International Conference "Students For Students" , Babes-Bolyai University from ClujNapoca, Faculty of Chemistry and Chemical Engineering, Oral Presentations and Papers in Proceedings "The Relationship Structure-Persistence-Toxicity for Persistent Organic Pollutants from Danube River Basin" and "The Evaluation of Ozone Levels in Ambient Air from Pitesti Area Using the NO_x-CO Photochemical Model"

6. Doru Stângă, Vasile Copaciu, Mitica Dragusin, Popa Victor, Ioan Iorga, Adrian Zorliu, Ion Mincu, Cristian Dragolici, Alin Boicu, Carmen Tuca, Silviu Badea, Evelina Ionescu, Henrieta Lupescu, Oral Presentation "Release conceptual considerations for predecommissioning activities at VVR-S nuclear research reactor", National Conference of Physics, 12-17 September 2005, Bucharest-Magurele, Romania
7. Cornelia Avădanei, Cornelia Avadanei, Evelina Ionescu, Ilie Ivanov, Mitica Dragusin, Ioan Iorga, Doru Stanga, Vasile Copaciu, Popa Victor, Adrian Zorliu, Ion Mincu, Cristian Dragolici, Alin Boicu, Carmen Tuca, Silviu Badea, Henrieta Lupescu, Oral Presentation "Personnel training program for VVR-S nuclear research reactor: on the radiological characterization and cleanup activities", National Conference of Physics, 12-17 September 2005, Bucharest-Magurele, Romania
8. 12-14 October 2005, The 11th National ICIT Conference with International Participation "Progress in Cryogenics and Isotopes Separation-2005", Calimanesti-Caciulata, Valcea, Romania, Oral Lecture and Paper in proceedings called "The use of stable isotope analytical technique in the environmental studies"
9. 9 December 2005, The Geography Institute of the Romanian Academy, The Workshop of the Young Researchers called "The Integrated Research of the Environment and Sustainable Development", Oral Presentation "Assessment of the *in situ* Transformation of Persistent Organic Pollutants"
10. Silviu-Laurentiu Badea, Carsten Vogt, Stefanie Weber, Hans - Hermann Richnow, Andrei-Florin Danet, Oral Presentation "Stable isotope fractionation of gamma hexachlorocyclohexane (lindane) during reductive dechlorination by sulphate reducing bacteria" at the IX ESIR (European Society For Isotope Research) Workshop, June 23 - 28 2007, Cluj-Napoca, Romania
11. Silviu-Laurentiu Badea, Carsten Vogt, Stefanie Weber, Hans - Hermann Richnow, AXIOM-VIBE-eTRAP-HIGRADE Workshop "Electron transfer processes at biogeochemical gradients" March 4 – 7, 2008, Leipzig, Germany, Poster Presentation "Stable isotope fractionation of hexachlorocyclohexanes during reductive dechlorination by sulphate reducing bacteria"
12. Silviu-Laurentiu Badea, Carsten Vogt, Stefanie Weber, Andrei-Florin Danet, Hans-Hermann Richnow, Poster Presentation "Stable Isotope Fractionation of Hexachlorocyclohexanes During Reductive Dechlorination", at DIOXIN 2008 - 28th International Symposium on Halogenated Persistent Organic Pollutants, 17-22 August 2008, Birmingham, United Kingdom
13. Silviu-Laurentiu Badea, Carsten Vogt, Hans - Hermann Richnow 22-23 April 2009, The 3rd NERC Network Conference on Persistent Organic Pollutants, Birmingham, UK, Oral Presentation called "A New Concept to Assess the Environmental Fate of Chiral Pesticides: Combined Stable Isotope and Enantiomeric Fractionation of alpha HCH"
14. Anko Fischer, Silviu-Laurentiu Badea, Carsten Vogt, Hans-Hermann Richnow, Contaminated Site Management in Europe (CSME-2009), Gent Belfort Hotel, Gent, Belgium, October 27-

- 29, 2009, Oral Presentation “Assessing biodegradation of hexachlorocyclohexane (HCH) isomers within contaminated aquifers by compound-specific stable isotope analysis (CSIA)”
15. 28-30 October 2009, The 15th National ICIT Conference with International Participation “Progress in Cryogenics and Isotopes Separation-2009“, Calimanesti-Caciulata, Valcea, Romania, Invited Oral Lecture called “Multiresidue analysis of persistent organic pollutants in contaminated soil using GC-LRMS, GC-HRMS and isotope dilution analysis”.
 16. Anko Fischer, Silviu-Laurentiu Badea, Carsten Vogt, Hans-Hermann Richnow, 7th International Groundwater Quality Conference, Zurich, Switzerland, 13–18 June 2010, Oral Presentation “Assessing biodegradation of hexachlorocyclohexane (HCH) isomers within contaminated aquifers by compound-specific stable isotope analysis (CSIA)”
 17. Silviu-Laurentiu Badea, Staffan Lundstedt, Per Liljelind, Mats Tysklind, Oral Presentation “Assessment of the release of organic contaminants from soil using a batch leaching test”, at DIOXIN 2010 - 30th International Symposium on Halogenated Persistent Organic Pollutants, September 12-17 2010, San Antonio, Texas, USA.
 18. Silviu-Laurentiu Badea, Majid Mustafa, Mats Tysklind, Contaminated Sites Management in Europe 2012 (CSME-2012), 22-24 October 2012, Nancy, France, Poster Presentation “Assessment of leachability of selected PCBs from naturally aged soil in relation to the composition and concentration of dissolved organic matter (DOM) at different pH using a batch leaching test”
 19. 25-26 October 2012, The 18th National ICIT Conference with International Participation “Progress in Cryogenics and Isotopes Separation-2012“, Calimanesti-Caciulata, Valcea, Romania, Oral Lecture called “Assessment of the environmental fate of α -hexachlorocyclohexane using compound-specific stable isotope fractionation analysis (CSIA) and enantiomer-specific stable carbon isotope analysis (ESIA) ”
 20. Silviu-Laurentiu Badea, Majid Mustafa, Mats Tysklind, 13-14 April 2016, The 10th NERC Network Conference on Persistent Organic Pollutants, Birmingham, UK, Oral Presentation called “Leachability of PAHs and oxy-PAHs from soil in relation to dissolved organic matter (DOM) at different pH using a batch leaching test”
 21. Silviu-Laurentiu, Badea, Stanica Enache, Radu Tamaian, Mihaela Buga, Cristian Pirvu, Mihai Varlam 17-22 April 2016, European Geosciences Union General Assembly 2016, Vienna, Austria, Poster presentation called “Energy generation by fermentation of glucose in a batch flow microbial fuel cell”
 22. Mihaela Buga, Mihai Balan, Stanica Enache, Constantin Bubulinca, Alin Chitu, Silviu Badea, An integrated R&D infrastructure for developing and testing new Li-Ion/Li-Polymer battery solutions, Next Generation 2016 Energy Storage, 18-20 Aprilie 2016, San Diego, USA
 23. Mihaela Buga, Mihai Balan, Constantin Bubulinca, Alin Chitu, Silviu Badea, Stanica Enache, Mihai Varlam, Poster presentation, Lithium-based energy storage: an integrated R&D infrastructure for developing and testing new Li-Ion battery, 13th Edition of WEC Central & Eastern Europe Regional Energy Forum-FOREN 2016, 12-16.06.2016, Costinesti, Romania
 24. Silviu-Laurentiu Badea, Stanica Enache, Mihaela Buga, Radu Tamaian, Mihai Varlam, Poster presentation, Sustainable and clean energy production by fermentation of glucose in a batch

- flow microbial fuel cell, 13th Edition of WEC Central & Eastern Europe Regional Energy Forum-FOREN 2016, 12-16.06.2016, Costinesti, Romania
25. Silviu-Laurentiu Badea, Stanica Enache, Radu Tamaian, Mihai Varlam, 19-21 October 2016, The 21th National ICIT Conference with International Participation "Progress in Cryogenics and Isotopes Separation-2016", Calimanesti-Caciulata, Valcea, Romania, Oral Lecture called "Energy generation by fermentation of glucose in a medium volume microbial fuel cell operated in batch mode"
 26. 25-29 June 2017, the XIVth Workshop of the European Society for Isotope Research (ESIR) - ESIR 2017, Băile Govora (Romania), oral lecture entitled "Evaluation of apparent kinetic isotope effect (AKIE) as tool to determine the degradation pathways of chiral organic pollutants"
 27. Silviu-Laurentiu Badea, Violeta Carolina-Niculescu, Stanica Enache, Amalia Soare, and Roxana-Elena Ionete, 8-11 May 2019, 9th International Conference of the Chemical Societies of the South-East European Countries «Chemistry a Nature Challenger»- ICOSECS9'', Targoviste, Romania, oral lecture entitled "Synthesis of Iron Sulfide (FeS) Nanoparticles to Study the Reductive Dechlorination of α -Hexachlorocyclohexane in Environment"
 28. Silviu-Laurentiu Badea, Diana Popescu, Violeta Carolina-Niculescu, Stanica Enache, Amalia Soare, and Roxana-Elena Ionete, 4-7 September 2019, 21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE), Constanta, Romania, oral lecture entitled "Reductive Dechlorination of α -Hexachlorocyclohexane in Batch Experiments with Iron Sulfide Nanoparticles"
 29. Silviu-Laurentiu Badea, Diana Popescu, Violeta Carolina-Niculescu, Stanica Enache, Amalia Soare, and Roxana-Elena Ionete, Patrick Höhener, 27-29.05.2021, International Conference CHIMIA 2020 "New Trends in Applied Chemistry", Constanta, Romania, oral lecture entitled "Abiotic reductive dechlorination of α -hexachlorocyclohexane by iron sulfide nanoparticles observing the influence of pH on the degradation rate"
 30. Violeta-Carolina Niculescu, Silviu-Laurentiu Badea, Daniela Ion-Ebrasu, Enache Stanica, Amalia Soare, 17th International conference on Advanced Nanomaterials- ANM2021'', 22-24 July 2021, Aveiro, Portugal, prezentare poster „Sustainable synthesis of Fe-BTC using FeCl₃ as Fe(III) source”.
 31. Violeta-Carolina Niculescu, Silviu Laurentiu Badea, Elisabeta Irina Geana, 13th International Symposium of the Romanian Catalysis Society ROMCAT 2022, 22-24.06.2022, Baile Govora, Romania, prezentare poster „Fe-BTC metal-organic framework used for photocatalytic oxidation of phenol from aqueous solutions”
 32. Silviu-Laurentiu Badea, Diana Popescu, Violeta Carolina-Niculescu, Stanica Enache, Amalia Soare, Roxana-Elena Ionete, Didier Gori, Patrick Hohener, 12th Isotopes Conference – ISOTOPES, 29.05– 03.06.2022, Zurich, Elvetia, prezentare orala „Dehalogenation -hexachlorocyclohexane by iron sulfide nanoparticles: Study of reaction mechanism with stable carbon isotopes and pH variations”.
 33. Silviu-Laurentiu Badea, Diana Ionela Popescu (Stegarus), Ionut Cristea, Oana-Romica Botoran and Roxana-Elena Ionete, 22nd Romanian International Conference on

- Chemistry and Chemical Engineering-RICCCE22'', 7-9.09.2022, Sinaia, Romania, oral presentation "Degradation of emerging contaminant hexabromobenzene in advanced oxidation processes experiments using Fe (II) activated potassium persulfate" .
34. Silviu-Laurentiu Badea, Diana-Ionela Popescu (Stegarus), Violeta-Carolina Niculescu, Nicolae-Ionut Cristea, Stanica Enache, Amalia Soare, Athanasios Tiliakos, Patrick Höhener, Oana-Romina Botoran, Roxana-Elena Ionete, 43rd International Symposium on Halogenated Persistent Organic Pollutants (POPs)-DIOXIN 2023, 10-14 Septembrie 2023, Maastricht, Netherlands, oral presentation "Dehalogenation of hexachlorocyclohexane isomers by iron and iron sulfide micro and nanoparticles. Study of reaction mechanisms with stable carbon isotopes and pH variations".
 35. Silviu-Laurentiu Badea, Elisabeta-Irina Geana, Corina Ciucure, Violeta-Carolina Niculescu, Roxana-Elena Ionete 14th International Conference "Processes in Isotopes and Molecules – PIM 2023, 19-22.09.2023, Cluj-Napoca, Romania, oral presentation "HBCD degradation by sulfidized microscale Fe⁰ and its determination by UHPLC-Q-Orbitrap HRMS coupled with isotope dilution analysis".
 36. Silviu-Laurentiu Badea, Nicolae-Ionut Cristea, Violeta-Carolina Niculescu, Stanica Enache, Amalia Soare, Athanasios Tiliakos, Roxana-Elena Ionete, 26th International Symposium "Environment and Industry" -SIMI 2023, 27-29.09.2023, Bucharest, Romania, oral presentation "Dehalogenation of Delta-hexachlorocyclohexane by iron sulfide nanoparticles".
 37. Silviu-Laurentiu Badea, Violeta-Carolina Niculescu, Nicolae-Ionut Cristea, Stanica Enache, Amalia Soare, Athanasios Tiliakos, Oana-Romina Botoran, Roxana-Elena Ionete, 24th International Conference "New Cryogenic and Isotope Technologies for Energy and Environment" EnergEn 2023, 18-20.10.2023, Baile Govora, Romania, oral presentation "Dehalogenation of Delta-hexachlorocyclohexane by iron sulfide nanoparticles".
 38. Violeta-Carolina Niculescu, Silviu-Laurentiu Badea, Laurentiu Asimopolos, Eugen Laurentiu Niculici, Violeta-Monica Radu (2024) Magnetic biochar from walnut shells modified with cationic surfactant, Conferința CHIMIA 2024 – New trends in applied chemistry, 30 mai – 1 iunie 2024, Constanța, Romania.
 39. Silviu-Laurentiu Badea, Nicolae-Ionut Cristea, Violeta-Carolina Niculescu, Yevheniia Korolova, Costel Bumbac, Oana-Romina Botoran, Roxana-Elena Ionete (2024) Biodegradation of different hexachlorocyclohexane isomers by clostridium pasteurianum. Study of kinetics and metabolites, Conferința CHIMIA 2024 – New trends in applied chemistry, 30 mai – 1 iunie 2024, Constanța, Romania.
 40. Silviu-Laurentiu Badea, Violeta Alexandra Ion, Oana – Crina Bujor, Liliana Badulescu, 23rd Romanian International Conference on Chemistry and Chemical Engineering (RICCCE) 2024, în perioada 4-7 Septembrie 2024, la Constanta-Mamaia, Romania, prezentarea orala: „Advanced GC-MS-MS Methods for Screening Organochlorine and Organophosphate Pesticides in Aquatic and Solid Environmental Samples”.
 41. Silviu-Laurentiu Badea, Violeta Alexandra Ion, Oana – Crina Bujor, Liliana Badulescu Simpozionul Internațional „Prioritățile chimiei pentru o dezvoltare durabilă” XX organizat de Institutul Național de Cercetare-Dezvoltare pentru Chimie și Petrochimie – ICECHIM în

- perioada 16-18 Octombrie 2024, în Bucuresti, „Development of GC-MS-MS Methods for the Screening of Organochlorine and Organophosphate Pesticides in Compost and Soil”
42. Silviu-Laurentiu Badea, Violeta Alexandra Ion, Oana – Crina Bujor, Carmen Constantin, Liliana Badulescu, Conferinta internationala „Agriculture for Life, Life for Agriculture” editia a XIV-a, USAMV Bucuresti, in perioada 4-6 Iunie 2025, in Bucuresti, Romania, prezentare orala „Advanced GC-MS/MS and LC-MS/MS Methods for Screening of Pesticides and Brominated Flame Retardants in Compost and Soil”
 43. Silviu-Laurentiu Badea, Marian-Nicolae Verziu, Patrick Höhener, Conferinta internationala „15th International Conference on Processes in Isotopes and Molecules – PIM 2025”, organizata de ITIM Cluj, in perioada 16-19 Septembrie 2025, in Cluj-Napoca, Romania, prezentarea orala: „Compound specific isotope analysis of chlordecone during its Fenton advanced oxidation in H₂O₂/Mn₂O₃ system”
 44. Silviu-Laurentiu Badea, Liliana-Badulescu, Conferinta Internationala „45th International Symposium on Halogenated Persistent Organic Pollutants (POPs)-DIOXIN 2025, 1-6 Noiembrie 2025, Antalya, Turcia, prezentare orala „Anaerobic biodegradation of chlordecone in sewage sludge from Bucharest and detection of its metabolites”
 45. Silviu-Laurentiu Badea, Ovidiu-Ionut Jerca, Liliana-Aurelia Badulescu, CURRENT TRENDS IN NATURAL SCIENCES International Symposium, May 21 – 23, 2026 National University of Science and Technology POLITEHNICA Bucharest, Pitești University Centre, Romania, prezentare orala „ENHANCED PHYTOREMEDIATION OF SOIL CONTAMINATED WITH CHLORPYRIFOS BY LACTUCA SATIVA”

Prelegeri invitate la conferinte peer review, internationale sau scoli international avansate:

- Badea, S.-L.;Lundstedt, S.; Liljelind, P.; Tysklind, – “Multiresidue analysis of persistent organic pollutants in contaminated soil using GC-LRMS, GC-HRMS and isotope dilution analysis” - Invited Oral Lecture at the 15th National Conference with International Participation “Progress in Cryogenics and Isotopes Separation”, Calimanesti-Caciulata, Valcea, Romania, 28-30 October 2009.

Data
11.06.2026

Semnatura,