

<b>Program</b>	<b>Program Nucleu, contract 20N/2019, project code: PN 19 04 01 01</b>
<b>Project title (ENG):</b>	Advanced research regarding the transfer of emerging contaminants from abiotic environmental factors to aquatic organisms and plants through bioaccumulation (BIOACUM)
<b>Project title (RO):</b>	Cercetari avansate privind transferul contaminantilor emergenti din factorii de mediu abiotici la organismele acvatice si plante prin bioacumulare (BIOACUM)
<b>Duration</b>	2019-2022
<b>Team Leader</b>	PhD. Eng. Gabriela Geanina VASILE
<b>Summary</b> (short description) ENG	<p>The objective of the project is to evaluate the transfer and bioaccumulation of emergent contaminants from abiotic environmental factors to aquatic organisms and plants.</p> <p>The project validate-in house three analytical methods for ultratrace detection of three distinct emergent contaminants classes: (a) endocrine disruptors (UV filters and degradation products) from surface water and wastewater, (b) pharmaceuticals (anti - diabetics and metabolites) from surface water and wastewater, (c) herbicides (synthetic auxins) from water, vegetation and soil samples. The validated methods were used to quantify the content of endocrine disruptors, anti - diabetics and metabolites, synthetic auxins in wastewater, surface water, soil and vegetation.</p> <p>The transfer factors of the toxic metals As, Cd, Ni and Pb from the polluted soil to the roots and aerial parts of chamomile (Matricaria Chamomilla), mint (Mentha Piperita), marigolds, mustard, thyme, thyme and milfoil were determined.</p> <p>The degree of contamination with organic pollutants adsorbed on microplastics from Jiu river was evaluated (upstream and downstream of the wastewater treatment plants Targu-Jiu and Craiova respectively).</p>
<b>Summary</b> (short description) RO	<p>Obiectivul proiectului este de a evalua transferul si bioacumularea contaminantilor emergenti din factori de mediu abiotici la organisme acvatice si plante.</p> <p>Proiectul contine dezvoltarea si validarea in house a trei metode de analiza pentru detectia la nivel de ultra-urme a trei clase distincte de contaminanti emergenti: (a) disruptori endocrini (filtre UV si produsi degradare) din apa de suprafata si apa uzata, (b) farmaceutice (anti-diabetice si metaboliti) din apa de suprafata si apa uzata, (c) erbicide (auxine sintetice) din probe de apa, vegetatie si sol.</p> <p>Metodele validate au fost utilizate la determinarea continutului de disruptori endocrine, anti-diabetice si metabolite, auxine sintetice din probe de apa uzata, apa de suprafata, sol si vegetatie.</p> <p>S-au determinat factorii de transfer ai metalelor toxice As, Cd, Ni si Pb din solul poluat catre partile subterane si aeriene ale musetelului (Matricaria Chamomilla), mentei (Mentha Piperita), galbenelelor, mustarului, cimbrului, cimbrisorului si pentru coada soricelului. S-a evaluat gradul de contaminare cu poluanti organici adsorbuti pe microplastice din raul Jiu (amonte si aval de statiile de epurare</p>

PhD Thesis - Title RO, ENG	Anda Gabriela Tenea, University of Craiova, 2019-2022 Studiul acumularii unor metale toxice in componentelete de mediu (apa, sol, vegetatie) utilizand noi metode spectrometrice si electrochimice de detectie Study of the accumulation of toxic metals in environmental components (water, soil, vegetation) using new spectrometric and electrochemical detection methods
Full-paper ISI	Diana Puiu, Mariana Popescu, Marcela Niculescu, Luoana Florentina Pascu, Toma Galaon, Carmen Postolache, <i>Mobility of some high persistent organochlorine compounds from soil to Mentha Piperita</i> , Revista de Chimie, vol. 70, nr. 1, pag. 278-282, 2019.
	Vasile Ion Iancu, Gabriel Lucian Radu, Roxana Scutariu, <i>A new analytical method for the determination of beta-blockers and one metabolite in the influents and effluents of three urban wastewater treatment plants</i> , Analytical Methods. vol. 11, nr. 36, pag. 4668-4680, 2019, <a href="https://doi.org/10.1039/C9AY01597C">https://doi.org/10.1039/C9AY01597C</a> , Q2.
	Chiriac Florentina Laura, Paun Iuliana, Pirvu Florinela, Galaon Toma, <i>Fast and sensitive detection of acrolein in environmental water samples without derivatization using liquid chromatography tandem mass spectrometry</i> . Environmental Science and Pollution Research, Vol. 26, nr. 36, Pag. 36205-36213, 2019, <a href="https://doi.org/10.1007/s11356-019-06634-5">https://doi.org/10.1007/s11356-019-06634-5</a> , Q2.
	Vasile-Ion Iancu, Diana Puiu, Gabriel-Lucian Radu, <i>Determination of some beta-blockers in surface water samples</i> . U.P.B. Sci. Bull., Series B, vol. 82, Iss. 2, p. 121, 2020
	Florentina Laura Chiriac, Iuliana Paun, Florinela Pirvu, Toma Galaon, Luoana Florentina Pascu, <i>Occurrence and Fate of Bisphenol A and its Congeners in Two Wastewater Treatment Plants and Receiving Surface Waters from Romania</i> . Environmental Toxicology and Chemistry, 2020, <a href="https://doi.org/10.1002/etc.4929">https://doi.org/10.1002/etc.4929</a> , vol. 40, no. 2, pp. 435, Q2
	Cristina Dinu, Gabriela-Geanina Vasile, Mihaela Buleandra, Dana Elena Popa, Stefania Gheorghe, Eleonora-Mihaela Ungureanu, <i>Translocation and accumulation of heavy metals in Ocimum basilicum L. plants grown in a mining-contaminated soil</i> . Journal of Soils and Sediments, vol. 10, nr. 1, articol 136, 2020, <a href="https://doi.org/10.1007/s11368-019-02550-w">https://doi.org/10.1007/s11368-019-02550-w</a> , Q2.
	Gabriela Geanina Vasile Anda Gabriela Tenea, Cristina Dinu, Ana Maria Mihaela Iordache, Stefania Gheorghe, Mihaela Mureseanu, <i>Bioavailability, Accumulation and Distribution of Toxic Metals (As, Cd, Ni and Pb) and Their Impact on Sinapis alba Plant Nutrient Metabolism</i> , International Journal of Environmental Research and Public Health, Q1, 2021, 18 (24), 12947, <a href="https://doi.org/10.3390/ijerph182412947">https://doi.org/10.3390/ijerph182412947</a> .
	Cristina Dinu, Stefania Gheorghe, Anda Gabriela Tenea, Gabriela Geanina Vasile, Roxana Luisa Popescu, Ecaterina Anca Serban, Luoana Florentina Pascu, <i>Toxic metals (As, Cd, Ni, Pb) impact in most common medicinal plant (Mentha piperita)</i> , International Journal of Environmental Research and Public Health, Q1, 2021, 18 (8), <a href="https://doi.org/10.3390/ijerph18083904">https://doi.org/10.3390/ijerph18083904</a> .

	Vasile Iancu, Roxana Elena Scutariu, Florentina Laura Chiriac, Gabriel Lucian Radu, <i>Sensitive detection of antidiabetic compounds and one degradation product in wastewater samples by a new SPE-LC-MS/MS method</i> . Journal of Environmental Science and Health, Part A, Q3, 2021, vol. 56, nr. 3, 310-323 2021, 39-48, <a href="https://doi.org/10.1080/10934529.2021.1873671">https://doi.org/10.1080/10934529.2021.1873671</a> .
	Florentina Laura Chiriac, Iuliana Paun, Florinela Pirvu, Vasile Iancu, Toma Galaon, <i>Distribution, removal efficiencies and environmental risk assessment of benzophenone and salicylate UV filters in WWTPs and surface waters from Romania</i> . New Journal of Chemistry, Q2 vol. 45, nr. 5, pp. 2478-2487, 2021, <a href="https://doi.org/10.1039/DONJ05214K">https://doi.org/10.1039/DONJ05214K</a> .
Full-paper ISI	Florentina Laura Chiriac, Florinela Pirvu, Iuliana Paun, <i>Investigation of endocrine disruptor pollutants and their metabolites along the Romanian Black Sea Coast: Occurrence, distribution and risk assessment</i> . Environmental Toxicology and Pharmacology, Q1, vol. 86, 2021, <a href="https://doi.org/10.1016/j.etap.2021.103673">https://doi.org/10.1016/j.etap.2021.103673</a> .
	Anda Gabriela Tenea, Gabriela Geanina Vasile, Mihaela Mureseanu, Stefania Gheorghe, Catalina Stoica, <i>Effects on seeds germination and bioaccumulation of lead in white mustard in a laboratory study</i> . Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, 2021, 22 (4), pp. 479-489
	Florentina Laura Chiriac, Iuliana Paun, Florinela Pirvu, Luoana Florentina Pascu, Toma Galaon, <i>Occurrence and Fate of Bisphenol A and its Congeners in Two Wastewater Treatment Plants and Receiving Surface Waters from Romania</i> . Environmental Toxicology and Chemistry, 2021, Q2, vol. 40, nr. 2, pp. 435–446, <a href="https://doi.org/10.1002/etc.4929">https://doi.org/10.1002/etc.4929</a>
	Vasilache, N.; Diacu, E.; Modrogean, C.; Chiriac, F.L.; Paun, I.C.; Tenea, A.G.; Pirvu, F.; Vasile, G.G., <i>Groundwater Quality Affected by the Pyrite Ash Waste and Fertilizers in Valea Calugareasca, Romania</i> . Water 2022, 14, 2022, <a href="https://doi.org/10.3390/w14132022">https://doi.org/10.3390/w14132022</a> , Q2
	Florentina Laura Chiriac, Catalina Stoica, Roxana-Elena Scutariu, Florinela Pirvu, Iuliana Paun, Vasile Iancu, Toma Galaon & Mihai Nita-Lazar, <i>Occurrence and fate of Adsorbable Organic Halogens (AOX) in two WWTPs from Romania</i> , Archives of Environmental Contamination and Toxicology volume 82, pages 592–601, 2022, Q2 <a href="https://doi.org/10.1007/s00244-022-00923-w">https://doi.org/10.1007/s00244-022-00923-w</a>
	F. L. Chiriac, C. Stoica, I. Paun, F. Pirvu, T. Galaon, M. Nita-Lazar, <i>Biodegradation of two organic UV-Filters by single bacteria strains</i> , International Journal of Environmental Science and Technology, 2022, Q3, <a href="https://doi.org/10.1007/s13762-022-04613-x">https://doi.org/10.1007/s13762-022-04613-x</a> .
	Florentina Laura Chiriac, Irina Eugenia Lucaciu, Iuliana Paun, Florinela Pirvu, Stefania Gheorghe, <i>In vivo bioconcentration, distribution and metabolism of BP-3 by Cyprinus carpio</i> , Foods, Q1, 2022, 11, 1627, <a href="https://doi.org/10.3390/foods11111627">https://doi.org/10.3390/foods11111627</a> .
	Paun, Iuliana, Florinela Pirvu, Vasile Ion Iancu, and Florentina Laura Chiriac. 2022, <i>Occurrence and Transport of Isothiazolinone-Type Biocides from Commercial Products to Aquatic Environment and Environmental Risk Assessment</i> , International Journal of Environmental Research and Public Health 19, no. 13, Q1, <a href="https://doi.org/10.3390/ijerph19137777">https://doi.org/10.3390/ijerph19137777</a>

<b>Full-paper BDI</b>	Cristina Dinu, Gabriela Geanina Vasile, Anda Gabriela Tenea, Catalina Stoica, Stefania Gheorghe, Ecaterina Anca Serban, <i>The influence of toxic metals As, Cd, Ni and Pb on nutrients accumulation in Mentha piperita</i> , Romanian Journal of Ecology & Environmental Chemistry, 3(2), p. 141, 2021, <a href="https://doi.org/10.21698/rjeec.2021.217">https://doi.org/10.21698/rjeec.2021.217</a>
	Chiriac, Florentina Laura, Petre, Valentina Andreea, Stoica, Catalina, Paun, Iuliana, Pirvu, Florinela, Cristea, Ionut, Vasilache, Nicoleta, Niculescu, Marcela, Serban, Gabriel, Iancu, Vasile, <i>New tool for Gram-negative and Gram-positive bacterial strains differentiation through GC-MS direct identification of exogenous VOC metabolites in headspace vials</i> , Romanian Journal of Ecology & Environmental Chemistry, vol. 4 no. 1, 2022, 29-37, <a href="https://doi.org/10.21698/rjeec.2022.103">https://doi.org/10.21698/rjeec.2022.103</a>
	Ecaterina Anca Serban, Gabriela Geanina Vasile, Stefania Gheorghe, Catalina Stoica, Gina Alina Catrina, Cristina Dinu, <i>The effect of toxic metal As on the Matricaria Chamomilla L. medicinal plant</i> , Romanian Journal of Ecology & Environmental Chemistry, vol. 3, nr. 2, 2021, pp. 162-171
	Vasile-Ion Iancu, Roxana-Elena Scutariu, Gabriel-Lucian Radu, Marcela Niculescu, Cristina Dinu, Iuliana Paun, Florentina Laura Chiriac, <i>Neonicotinoid insecticides as emerging contaminants in agricultural soil</i> , Romanian Journal of Ecology & Environmental Chemistry, vol. 3, nr. 1, 2021, pp. 39-48
	Iuliana Paun, Florentina Laura Chiriac, Vasile Ion Iancu, Florinela Pirvu, Marcela Niculescu, Nicoleta Vasilache, <i>Disinfection by-products in drinking water distribution system of Bucharest city</i> , Romanian Journal of Ecology & Environmental Chemistry, vol. 3, nr. 1, 2021, pp. 10-18
	Cristina Dinu, Gabriela Geanina Vasile, Anda Gabriela Tenea, Catalina Stoica, Stefania Gheorghe, Anca Ecaterina Serban, <i>Effects of Toxic Metals As, Cd, Ni and Pb on essential nutrients accumulation in Mentha piperita</i> , Romanian Journal of Ecology & Environmental Chemistry, vol.3, nr. 2, 2021, pp. 163-172
	Diana Puiu, Alina Tatarus, Roxana Scutariu, Liliana Cruceru, Toma Galaon, <i>PTV in situ derivatization of several acidic herbicides using a newly developed GC-MS/MS Method</i> , Revista de Chimie, vol. 71, nr. 1, pag. 72-76, 2020
	Florentina Laura Chiriac, Iuliana Paun, Florinela Pirvu, Luoana Florentina Pascu, Marcela Niculescu, Toma Galaon, <i>Liquid chromatography tandem mass spectrometry method for ultra-trace analysis of organic uv filters in environmental water samples</i> , Revista de Chimie, vol. 71, nr. 1, pag. 92-99, 2020
	Ecaterina Anca Serban, Gabriela Geanina Vasile, Stefania Gheorghe, Corina Ene, <i>Effects of toxic metals Cd, Ni and Pb on Matricaria Chamomilla L. growth in a laboratory study</i> , Revista de Chimie, vol. 71, nr. 4, pag. 325-335, 2020
	Anda Gabriela Tenea, Gabriela Geanina Vasile, Cristina Dinu, Stefania Gheorghe, Luoana Florentina Pascu, Mihaela Mureseanu, Corina Ene, <i>Behavior of cd accumulation in Sinapis alba l. in presence of essential elements (Ca, Mg, Fe, Zn, Mn, Cu, Ni)</i> , Revista de Chimie, vol. 71, nr. 6, pag. 378-389, 2020

	<p>Florinela Pirvu, Vasile Ion Iancu, Marcela Niculescu, Carol Blaziu Lehr, Luoana Florentina Pascu, Toma Galaon, <i>Environmental detection of Brilliant Blue, Sunset Yellow and Tartrazine using direct injection HPLC-DAD technique</i>, Revista de Chimie, vol. 71, nr. 6, pag. 390-400, 2020</p>
	<p>Vasile-Ion Iancu, Niculescu Marcela, Diana Puiu, Toma Galaon, Jana Petre, Luoana Florentina Pascu, <i>Determination of hypoglycemic agents in surface water samples using SPE-LC-MS/MS Method</i>, Revista de Chimie, vol. 71, nr. 6, pag. 337-346, 2020</p>
	<p>Ecaterina Anca Serban, Gabriela Geanina Vasile, Toma Galaon, Corina Ene, Luoana Florentina Pascu, <i>HG-ICP-EOS Technique, a useful tool for arsenic determination in soft water</i>, Revista de Chimie, vol. 71, nr. 7, pag. 379-390, 2020</p>
<b>Full-paper BDI</b>	<p>Florentina Laura Chiriac, Iuliana Paun, Vasile Iancu, Pirvu Florinela, Marcela Niculescu, Toma Galaon, <i>Occurrence of phenolic endocrine disruptors in Danube Delta, Romania</i>, Revista de Chimie, vol. 71, nr. 7, pag. 316-324, 2020</p>
	<p>Vasile-Ion Iancu, Jana Petre, Toma Galaon, Gabriel-Valentin Serban, Marcela Niculescu, Florentina Laura Chiriac, Roxana-Elena, Scutariu, Stefania Gheorghe, Gabriel-Lucian Radu, <i>Liquid phase chromatographic methods applied to determine emerging contaminants in environmental samples</i>, Romanian Journal of Ecology and Environmental Chemistry, vol. 2, nr. 1, pp. 11-20, 2020</p>
	<p>Alina Tatarus, Claudia Maria Simonescu, Roxana Elena Scutariu, Vasile Ion Iancu, Florinela Pirvu, Diana Puiu, Toma Galaon, <i>HPLC detection of synthetic dyes in residual waters from wastewater treatment using adsorption on magnetic materials</i>, Romanian Journal of Ecology and Environmental Chemistry, vol. 2, nr. 2, pag. 22-29, 2020</p>
	<p>Gabriel-Valentin Serban, Claudia Maria Simonescu, Iuliana Paun, Florinela Pirvu, Vasile-Ion Iancu, Marcela Niculescu, Florentina Laura Chiriac, <i>Elimination of methylene blue from synthetic aqueous solutions by absorption on chitosan compounds with synthetic hydroxiapatitis</i>, 25th International Symposium "Environment and Industry" E-SIMI 2022, Book of Abstracts, p. 20</p>
<b>Conferences</b>	<p>Florentina Laura Chiriac, Valentina Andreea Petre, Iuliana Paun, Florinela Pirvu, Ionut Nicolae Cristea, Vasile Ion Iancu, <i>Ultra-trace LC-MS/MS method for detection and quantification of perfluoroalkyl substances (PFAS) in Romanian surface waters</i>, Sixth Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, "IC-ANMBES 2022"</p>
	<p>Florinela Pirvu, Cristina Illeana Covaliu, Iuliana Paun, Vasile Ion Iancu, Florentina Laura Chiriac, <i>Development and validation of new HPLC-DAD method for detection of anti-inflammatory drugs in surface water samples</i>, Sixth Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, "IC-ANMBES 2022"</p>
	<p>Valentina Andreea Petre, Ionut Nicolae Cristea, Ecaterina Anca Serban, Florentina Laura Chiriac, <i>Bioaccumulation and translocation factors of synthetic auxins in aromatic plants (Basil)</i>, Sixth Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, "IC-ANMBES 2022"</p>

Conferences	<p>Ionuț Nicolae Cristea, Alina Tătăruș, Andreea Valentina Petre, Laura Florentina Chiriac, <i>Novel method for assessment of various herbicides in soil and surface water from agricultural areas</i>, Sixth Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, "IC-ANMBES 2022"</p>
	<p>Cristina Dinu, Anda Gabriela Tenea, Gabriela Geanina Vasile, Ecaterina Anca Serban, <i>Bioaccumulation of toxic metals in two different thymus species</i>, Sixth Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, "IC-ANMBES 2022"</p>
	<p>Iuliana Paun, Laura Florentina Chiriac, Florinela Pirvu, Vasile Ion Iancu, Cristina Ileana Covaliu-Mierla, <i>New HPLC method for surfactants detection in wastewaters samples</i>, The 1st International Electronic Conference on Processes: Processes System Innovation, <b>2022, 19, 45.</b> doi.org/10.3390/ECP2022-12622</p>
	<p>Vasile-Ion Iancu, Florentina Laura Chiriac, Marcela Niculescu, Roxana Scutariu, Jana Petre, Iuliana Paun, Florinela Pirvu, Cristina Dinu, Ionut Cristea, <i>A new extraction and detection method for anti-diabetic compounds and their metabolites from WWTP sludge samples</i>, 24th International Symposium "Environment and Industry" E-SIMI <b>2021</b>, Book of Abstracts, pp. 87-88</p>
	<p>Florentina Laura Chiriac, Alina Tatarus, Vasile Iancu, Ionut Cristea, Valentina Andreea Petre, Carol Blaziu Lehr, Ioana Alexandra Ionescu, Roxana Elena Scutariu, <i>Adsorption of organic pollutant on microplastic particles</i>, 24th International Symposium "Environment and Industry" E-SIMI <b>2021</b>, Book of Abstracts, pp. 50-51</p>
	<p>Anda Gabriela Tenea, Gabriela Geanina Vasile, Cristina Dinu, Mihaela Mureseanu, <i>Effect of Pb contaminated soil on germination and development of Sinapis alba ssp</i>, 3rd International Conference on Traditional Medicine, Phytochemistry and Medicinal Plants, <b>2021</b></p>
	<p>Florinela Pirvu, Cristina Ileana Covaliu, Gigel Paraschiv, Iuliana Paun, Gina Alina, Catrina (Traistaru), <i>Preliminary study of the removal of acetaminophen from wastewater</i>, E-SIMI <b>2020</b>, Book of Abstract, pag. 44-45</p>
	<p>Florentina Laura Chiriac, Iuliana Paun, Catalina Stoica, Mihai Nita-Lazar, Florinela Pirvu, Vasile Iancu, Marcela Niculescu, Toma Galaon, <i>Biodegradation of bp-3 using gram-negative bacterial strains</i>, E-SIMI <b>2020</b>, Book of Abstract, pag. 51-52</p>
	<p>Vasile-Ion Iancu, Niculescu Marcela, Jana Petre, Toma Galaon, Florinela Parvu, Iuliana Paun, Nicoleta Vasilache, Alina Tatarus, Simion Marius, <i>Analytical detection of the antidiabetic pharmaceuticals in waste water treatment plants</i>, E-SIMI <b>2020</b>, Book of Abstract, pp. 76-77</p>
	<p>Roxana-Elena Scutariu, Vasile-Ion Iancu, Alina Tatarus, Gabriel-Valentin Serban, Diana Puiu, Marius Simion, Toma Galaon, <i>Determination of thiabendazole from environmental matrices by HPLC with fluorescence detection</i>, E-SIMI <b>2020</b>, Book of Abstract, pp. 82-83</p>
	<p>Gabriel-Valentin Serban, Vasile-Ion Iancu, Niculescu Marcela, Florentina-Laura Chiriac, Roxana Scutariu, Toma Galaon, <i>Simultaneous determination of three Sulfonylureas Herbicides froms environmental samples by HPLC-DAD</i>, E-SIMI <b>2020</b>, Book of Abstract, pp. 88-89</p>

	Diana Puiu, Roxana Scutariu, Vasile Ion Iancu, Alina Tatarus, Nicoleta Vasilache, <i>The occurrence of acid herbicides concentrations in some environmental samples from Romania</i> , E-SIMI 2020, Book of Abstract, pp. 90-91
	Florentina Laura Chiriac, Iuliana Paun, Florinela Pirvu, Vasile Iancu, Alina Tatarus, Carol Blaziu Lehr, Luoana Florentina Pascu, Toma Galaon, <i>Occurrence of Bisphenol A and its major metabolite 4-hydroxyacetophenone in some municipal wastewater treatment plants in Romania</i> , International Symposium "The Environment and the Industry", 26-27 September 2019, Bucharest, Romania, Abstract, pp. 76-78
Conferences	R. E. Scutariu, D. Puiu, G. Nechifor, V. Iancu, A. Tatarus, T. Galaon, <i>Desorption of phthalates from microplastics into surface water. In vitro study</i> , International Symposium "The Environment and the Industry", 26-27 September 2019, Bucharest, Romania, Abstract, pp. 65-66
	V. I. Iancu, G. L. Radu, J. Petre, T. Galaon, R. Scutariu, F. Parvu, I. Paun, G. Serban, <i>Determination of glyburid, glimepirid and repaglinid in wastewater samples</i> , International Symposium "The Environment and the Industry", 26-27 September 2019, Bucharest, Romania, pp 67-68
	D. Puiu, R. Scutariu, V. Iancu, A. Tatarus, M. Niculescu, T. Galaon, <i>Fast and sensitive CG-MS/MS method for detection of some auxin herbicides residues in environmental samples</i> , International Symposium "The Environment and the Industry", 26-27 September 2019, Bucharest, Romania, pp 69-70