

## EXPERIENȚA PROFESIONALĂ

- 01/11/2017–Prezent **Asistent Cercetare**  
INCD ECOIND, Bucuresti (România)
- Efectuarea impreuna cu responsabilul de proiect a studiilor de cercetare analitica ce constau in: studii documentare, experimente sistematice prin metode de combustie, HPLC, Spectrometrie UVVIS, elaborarea rapoartelor in care sunt incluse rezultatele experimentelor de laborator;
  - Realizarea oricarei lucrari de cercetare repartizate de responsabilul de proiect;
  - Participarea la dezvoltarea si implementarea unor metode de incercare pentru poluantii anorganici/organici din probe de apa potabila, apa subterana, apa uzata, namol, sedimente, sol, deseuri;
  - Realizarea in mod curent a analizelor din cadrul activitatii de servicii pentru TOC/Azot total din probe de apa;
  - Realizarea analizelor pentru hidrocarburi aromatice policiclice (HAP) si pesticide triazinice atunci cand este cazul;
  - Aplicarea masurilor de control a calitatii rezultatelor incercarilor prin probe repetate, analizarea punctului din curba de etalonare, punctului de control din diagrama de control, a probei blanc, estimarea incertitudinii de masurare pentru indicatorii analizati prin metode spectrofotometrice, volumetrice, gravimetrice, electrochimice;
  - Utilizarea rezultatelor cercetarilor efectuate prin comunicari stiintifice, articole in reviste de specialitate;
  - Indrumarea personalului cu studii medii in domeniul pentru care este pregatit;
  - Urmarirea si verificarea lucrarilor experimentale precum si activitatea personalului cu studii medii cu/fara solicitarea Sefului de Laborator;
  - Aplicarea si respectarea instructiunilor de lucru a aparaturii si instalatiilor de laborator;
  - Cunoasterea si insusirea cerintelor standardelor ISO 17025:2005,
  - Elaborarea procedurilor operationale si instructiunilor de lucru;
  - Respectarea confidentialitatii metodelor elaborate si a datelor obtinute.
- 10/11/2016–25/10/2017 **Supervizor Studii de Stabilitate**  
SC Laropharm SRL,, Ilfov, Bucuresti (România)
- Elaborarea procedurilor standard de operare si specificatii tehnice de produs farmaceutic;
  - Elaborarea protocoalelor si rapoartelor corespunzatoare seriilor produselor medicamentoase ce intrain programul de stabilitati vrac si produs finit;
  - Inregistrarea probelor si adaptarea datelor seriilor efectuate in cadrul programului de stabilitati vrac si produs finit;
  - Distribuirea produselor medicamentoase aflate in studii de stabilitate, analistilor chimisti si instruirea acestora pentru metoda de analiza corespunzatoare fiecarui produs medicamentos din cadrul Departamentului Controlul Calitatii;
  - Planificarea activitatii zilnice a personalului din subordine;
  - Verificarea periodica a caietelor de lucru, a rapoartelor de analiza si a registrelor echipamentelor de laborator a subalternilor precum si daca echipamentele de laborator sunt calificate pe perioada intregului studiu;

- Relationarea cu toate departamentele din cadrul companiei in ceea ce priveste informatii despre produsele medicamentoase aflate in studii de stabilitate sau despre initierea altor studii de stabilitate din diferite scopuri;
- Responsabil cu efectuarea necesarului de reactivi , coloane cromatografice, substante de referinta, sticlaria, echipamente si aparatura de laborator precum si receptia, depozitarea si transportul acestora;
- Responsabil cu evidenta precursorilor si substantelor toxice din cadrul Departamentului Controlul Calitatii;
- Asigura ca, prin verificarea si controlul fizico-chimic competent si riguros a calitatii, siguranta si eficacitatea produselor farmaceutice ale companiei;

15/11/2004–10/11/2016 **Analist chimist**

SC Laropharm SRL,, Ilfov, Bucuresti (Romania)

- Analiza fizico-chimica a medicamentelor in toate fazele sale (intermediare, vrac si produs finit);
- Prepararea tuturor solutiilor utilizate in analizele curente;
- Efectuarea calibrarii si verificarea echipamentelor de laborator;
- Elaborarea de specificatii tehnice si instructiuni de lucru pentru controlul materiilor prime, produse intermediare si produse finite;
- Efectuarea studiilor de stabilitate conform cu procedurile aflate in vigoare;
- Intocmirea rapoartelor si buletinelor de analiza in urma determinarilor efectuate pentru controlul interfazic , produs finit si studii de stabilitate;
- Analize de spectrofotometrie UV-VIS, cromatografie HPLC, CSS, GC, titrari potentiometrice in cadrul Departamentului de Control al Calitatii;
- Cunoasterea si respectarea Procedurilor de Operare Standard in conformitate cu GMP;-Indeplinirea oricaror altor sarcini, activitati si atributii trasate de superiorul direct.

**EDUCAȚIE ȘI FORMARE**

- 2018 **Prezent Doctorand**  
Scoala doctorala -Ingineria Sistemelor Biotehnice  
Universitatea Politehnica Bucuresti
- 2004 **Diploma de Master**  
Chimie Fizica si Radiochimie Aplicata, Bucuresti
- 2002 **Diploma de Licenta**  
Universitatea Bucuresti - Facultatea de Chimie, Bucuresti
- 2001  
**Certificat de absolvire a cursului de perfectionare -U479, operare cu Windows, Word, Excel, Access, PowerPoint**  
Centrul de pregatire in Informatica, Bucuresti
- 1997 **Diploma de Bacalaureat**  
Liceul Teoretic 'Tudor Vladimirescu', Draganesti-Olt

## Curriculum vitae

Limba(i) maternă(e) Română  
Cunoasterea și respectarea Procedurilor de Operare Standard în conformitate cu GMP;-  
Îndeplinirea oricărui altor sarcini, activități trasate de Șeful de Laborator.

### Limbile străine

	Intelegere	Vorbire	Sciere
Franceza	Ascultare B1	Participare la conversatie B1	Exprimare scrisa B1
Engleza	Citire B1	Discurs oral B1	

Competențe de comunicare: Abilitati de comunicare

Competențe organizaționale/manageriale: Capacitatea de lucru în echipă

Competențe dobândite la locul de muncă: 2010-Curs GLP-cGMP

Competențele digitale: AUTOEVALUARE	Procesarea informației Utilizator independent	Comunicare Utilizator independent	Creare conținut Utilizator independent
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**Implicarea in activitatea de CDI  
Contributie la realizarea proiectelor de cercetare nationale**

**Membru proiect echipa de lucru**

<p><b>Dezvoltarea unor metodologii analitice avansate pentru detectia si identificarea contaminantilor emergenti si a produsilor lor de biodegradare din factori de mediu (apa, sol, namol) si Biota – EMERGMET</b></p>	2018
<p>FAZA II (decembrie 2018): Evaluarea gradului de contaminare a apelor uzate, de suprafata, namolului de epurare si a biotei cu contaminanti emergenti si produsii lor de biodegradare Proiect nucleu (PN 18 05 01 01)</p>	
<p><b>Cercetari avansate privind transferul contaminantilor emergenti din factori de mediu abiotici la organismele acvatice si plante prin bioacumulare (BIOACUM)</b></p>	2019-2022
<p>FAZA I (iunie 2019): ): Dezvoltarea unor metodologii analitice noi pentru detectia unor disruptori endocrini (filtre UV si produse degradare), compusi farmaceutici (anti-diabetice si metaboliti) si erbicide (auxine sintetice si produse degradare) din probe de mediu (namol de epurare) si biota (culturi bacteriene si organe de plante)</p>	
<p>FAZA VII (iunie 2022): Dezvoltarea unor metodologii analitice noi pentru detectia unor clase de disruptori endocrini (anioni organici perflorurati si produse degradare), compusi farmaceutici (anti-acide si metaboliti) si respectiv erbicide (difenileteri, pirimidine si carbamati) din factori abiotici (sedimente, namol de epurare) si respectiv factori biotici (culturi bacteriene si vegetatie) Proiect nucleu (PN 19 04 01 01)</p>	
<p><b>Sistem de avertizare epidemiologică timpurie a tendințelor SARS-CoV-2 în apele uzate netratate ca indicator al răspândirii variantelor circulante în populație (WARNING)</b></p>	2022
<p>Incheiat în cadrul PNCDI III – Cresterea competitivitatii economiei romanesti prin cercetare, dezvoltare si inovare, DIRECTIA DE CERCETARE P2 - Cresterea competitivitatii economiei romanesti prin CDI, Tip proiect: Proiect Experimental Demonstrativ (PED), Domeniul: “Energie, mediu si schimbari climatice”</p>	
<p>Proiect de dezvoltare instituțională a INCD-ECOIND - acronim <b>ECOEFIND</b>, cod proiect 024PFE-CDI</p>	2022

**Responsabil proiect**

<p><b>Cercetari avansate privind transferul contaminantilor emergenti din factori de mediu abiotici la organismele acvatice si plante prin bioacumulare (BIOACUM)</b></p>	2019-2020
<p>FAZA III (iunie 2020): Dezvoltarea unor metodologii analitice noi pentru detectia unor disruptori endocrini (filtre UV si produse degradare), compusi farmaceutici (anti-diabetice si metaboliti) si erbicide (auxine sintetice si produse degradare) din probe de mediu (namol de epurare) si biota (culturi bacteriene si organe de plante) Proiect nucleu (PN 19 04 01 01)</p>	
<p>FAZA VI (decembrie 2021): 1. Evaluarea gradului de contaminare cu poluanti organici adsorbiti pe microplastice din raul Prahova in amonte si aval de statia de epurare municipala Ploiesti  2. Evaluarea gradului de contaminare cu poluanti organici adsorbiti pe microplastice din raul Ialomita in amonte si aval de statia de epurare municipala Slobozia</p>	2021
<p>Proiect nucleu (PN 19 04 01 01)</p>	

**Rezultate ale activitatii de cercetare  
Lucrari in-house**

Cercetari privind evaluarea calitatii apei uzate evacuate de agentii economici/companii apa-canal in emisari	<b>2018</b>
Dezvoltarea unei metode HPLC pentru determinarea unor aditivi alimentari (E-uri) din probe de apa uzata si de suprafata	<b>2019</b>
Dezvoltarea unei metode HPLC-UV pentru determinarea unor farmaceutice din clasa anti-inflamatoare nestereoidiene din probe de mediu si probe sintetice	<b>2021</b>
Determinarea prin metoda HPLC-DAD a unor compusi farmaceutici din clasa flurochinolonelor din mediu si probe sintetice	<b>2022</b>

**ARTICOLE STIINTIFICE PUBLICATE IN REVISTE CU COTATIE ISI**

- Chiriac, Florentina Laura, Stoica, Catalina, Iftode, Cristina, **Pirvu Florinela**, Petre, Valentina Andreea, Paun Iuliana, Pascu Luoana Florentina, Vasile Gabriela Geanina, Nita-Lazar, Mihai, *Bacterial Biodegradation of Perfluorooctanoic Acid (PFOA) and Perfluorosulfonic Acid (PFOS) Using Pure Pseudomonas Strains*, Sustainability , 15 (18), 14000, **2023**; <https://doi.org/10.3390/su151814000>, Q2, F=3.9.
- Chiriac Florentina Laura, **Pirvu Florinela**, Paun Iuliana, Petre Valentina Andreea, *Perfluoroalkyl substances in Romanian wastewater treatment plants: Transfer to surface waters, environmental and human risk assessment*, Science of The Total Environment **892** (20), 164576, **2023**; <https://doi.org/10.1016/j.scitotenv.2023.164576>, Q1, F=9.6.
- Pirvu Florinela**, Covaliu-Mierla Cristina Ileana, Catrina Gina Alina, *Removal of Acetaminophen Drug from Wastewater by Fe<sub>3</sub>O<sub>4</sub> and ZSM-5*, Nanomaterials, 13(11), 1745, **2023**; <https://doi.org/10.3390/nano13111745> , Q2, F=5.3.
- Petre Valentina Andreea, Chiriac Florentina Laura, Lucaciu Irina Eugenia, Paun Iuliana, Pirvu Florinela, Iancu Vasile Ion, Novac Laura, Gheorghe Stefania, *Tissue Bioconcentration Pattern and Biotransformation of Per-Fluorooctanoic Acid (PFOA) in Cyprinus carpio (European Carp)-An Extensive In Vivo Study*, Foods , 12(7), 1423, **2023**, <https://doi.org/10.3390/foods12071423>, Q1, F=5.2.
- Florinela Pirvu**, Cristina Ileana Covaliu Mierla, Iuliana Paun, Gigel Paraschiv and Vasile Iancu, *Treatment of Wastewater Containing Nonsteroidal Anti-Inflammatory Drugs Using Activated Carbon Material*, Materials 15, (559), **2022**, <https://doi.org/10.3390/ma15020559>, Q2, F=3.748
- Nicoleta Vasilache, Elena Dicu, Cristina Modrogan, Florentina Laura Chiriac, Iuliana Claudia Paun, Anda Gabriela Tenea, **Florinela Pirvu** and Gabriela Geanina Vasile, *Groundwater Quality Affected by the Pyrite Ash Waste and Fertilizers in Valea Calugareasca, Romania*, Water, 14(13), **2022**; <https://doi.org/10.3390/w14132022>, Q2, F=3.53
- Iuliana Paun, **Florinela Pirvu**, Vasile Ion Iancu, and Florentina Laura Chiriac, *Occurrence and Transport of Isothiazolinone-Type Biocides from Comercial Products to Aquatic Environment and Environmental Risk Assessment*, Int. J. Environ. Res. Public Health **2022**, 19, 7777. <https://doi.org/10.3390/ijerph19137777>, Q2, F=4.614
- Florentina Laura Chiriac, Irina Eugenia Lucaciu, Iuliana Paun, **Florinela Pirvu** and Stefania Gheorghe, *In Vivo Bioconcentration, Distribution and Metabolization of Benzophenone-3 (BP-3) by Cyprinus carpio (European Carp)*, Foods **2022**, 11, 1627. <https://doi.org/10.3390/foods11111627>, Q1, F=5.561

### Curriculum vitae

9. Florentina Laura Chiriac, Catalina Stoica, Roxana-Elena Scutariu, **Florinela Pirvu**, Iuliana Paun, Vasile Iancu, Toma Galaon, Mihai Nita-Lazar, *Occurrence and fate of Adsorbable Organic Halogens (AOX) in two WWTPs from Romania*, Archives of Environmental Contamination and Toxicology, **2022**, 82:592–601 <https://doi.org/10.1007/s00244-022-00923-w>, Q2, F=3.692
10. Florentina Laura Chiriac, **Florinela Pirvu**, Iuliana Paun, *Investigation of endocrine disruptor pollutants and their metabolites along the Romanian Black Sea Coast: Occurrence, distribution and risk assessment*, Environmental Toxicology and Pharmacology 86 , **2021**, 103673, <https://doi.org/10.1016/j.etap.2021.103673>, Q1, F= 5.785
11. Florentina Laura Chiriac, Iuliana Paun, **Florinela Pirvu**, Vasile Iancu and Toma Galaon, *Distribution, removal efficiencies and environmental risk assessment of benzophenone and salicylate UV filters in WWTPs and surface waters from Romania*, New J. Chem., 2021,45, 2470-2477, <https://doi.org/10.1039/D0NJ04051G>, Q2, F=3.925
12. Florentina L. Chiriac, Iuliana Paun, **Florinela Pirvu**, Luoana F. Pascu, Toma Galaon, *Occurrence and Fate of Bisphenol A and its Congeners in Two Wastewater Treatment Plants and Receiving Surface Waters in Romania*, Environ Toxicol Chem. 40, (2021):435–446, <https://doi.org/10.1002/etc.4929>, Q2, F=4.218
13. Florentina Laura Chiriac, Iuliana Paun, Florinela Pirvu, Toma Galaon, *Fast and sensitive detection of acrolein in environmental water samples without derivatization using liquid chromatography tandem mass spectrometry*, Environmental Science and Pollution Research, 26, 36205-36213, 2019, Q2, FI = 3.056
14. Florentina Laura Chiriac, Iuliana Paun, **Florinela Pirvu**, Vasile Iancu, Toma Galaon, *Fast and Sensitive LC-MS Detection of Bisphenol A and Butylhydroxyanisole in WWTP Sewage Sludge*, Revista de chimie. (Bucharest), 70, No. 6, 2019, 2123-2127, <https://doi.org/10.37358/RC.19.6.7288>, Q3, FI= 1.755
15. Florentina Laura Chiriac, Iuliana Paun, **Florinela Pirvu**, Liliana Cruceru, Luoana Florentina Pascu, Toma Galaon, *Parallel between offline-SPE-LC-MS and direct injection LC-MS methods for Acrylamide detection in drinking water at parts per trillion level*, Revista de chimie (Bucharest), 69, No. 11, 2018 4129 - 4133, Q3, FI = 1.755

### ARTICOLE STIINTIFICE PUBLICATE IN REVISTE BDI

1. Florentina Laura Chiriac, Andreea Valentina Petre , Catalina Stoica, Iuliana Paun, **Florinela Pirvu**, Ionut Cristea, Nicoleta Vasilache, Marcela Niculescu, Gabriel Serban, Vasile-Ion Iancu, *New tool for Gram-negative and Gram-positive bacterial strains differentiation through GCMS direct identification of exogenous VOC metabolites in headspace vials*, Romanian Journal of Ecology & Environmental Chemistry, 4(1), 2022, <https://doi.org/10.21698/rjeec.2022.103>
2. **Florinela Pirvu**, Iuliana Paun, Marcela Niculescu, Iancu vasile Ion , Luoana Florentina Pascu, Florentina Laura Chiriac *Stoichiometry of carbon, nitrogen and phosphorus in wastewater from Romania*, Romanian Journal of Ecology & Environmental Chemistry, 3(2), 2021, 120-129, <https://doi.org/10.21698/rjeec.2021.215>
3. Gabriel-Valentin Serban, Marcela Niculescu, Vasile Iancu, Iuliana Paun, **Florinela Pirvu**, Catalin Manea, Florentina Laura Chiriac, Gabriela Geanina Vasile, *Assessment of environmental pollution level caused by shipbuilding industry*, Romanian Journal of Ecology & Environmental Chemistry, 3(2), 2021, 107-113, <https://doi.org/10.21698/rjeec.2021.213>
4. **Florinela Pirvu**, Iuliana Paun, Florentina Laura Chiriac, Marcela niculescu, Nicoleta Vasilache, Luoana Florentina Pascu, Toma Galaon, *Spatio-temporal variation of nitrate and nitrite levels in groundwater samples from Romania*, Romanian Journal of Ecology & Environmental Chemistry vol.2,No.2, 2020, 56-63, <https://doi.org/10.21698/rjeec.2020.208>

### Curriculum vitae

5. Iuliana Paun, Vasile Ion Iancu, Florentina Laura Chiriac, Nicoleta Vasilache, **Florinela Pirvu**, Marcela Niculescu, Toma Galaon, *New ion-chromatography method for detection of chlorite, chlorate, and bromate in drinking water*, Romanian Journal of Ecology & Environmental Chemistry, vol.2, No.2, 2020, 49-55, <https://doi.org/10.21698/rjeec.2020.207>
6. Iuliana Paun, Cristina Ileana Covaliu, **Florinela Pirvu**, Gigel Paraschiv, Mihai Nita-Lazar, *Benzalkonium Bromide Cationic Surfactant Removal from Wastewater Using Magnetite Nanomaterial*, Rev. Chim., 71 (4), 2020, 289-296, <https://doi.org/10.37358/RC.20.4.8067>
7. **Florinela Pirvu**, Vasile Ion Iancu, Marcela Niculescu, Carol Blaziu Lehr, Luoana Florentina Pascu, Toma Galaon, *Environmental detection of Brilliant Blue, Sunset Yellow and Tartrazine Using Direct Injection HPLC-DAD Technique*, Revista de chimie, 71(6), 2020, 390 – 400,
8. Florentina Laura Chiriac, Iuliana Paun, **Florinela Pirvu**, Luoana Florentina Pascu, Marcela Niculescu, Toma Galaon, *Liquid Chromatography Tandem Mass Spectrometry Method for Ultra-Trace Analysis of Organic UV Filters in Environmental Water Samples*, Revista de chimie, vol. 71, No.1, 2020, 92 – 99,
9. Florentina Laura Chiriac, Iuliana Paun, Vasile Iancu, **Pirvu Florinela**, Marcela Niculescu, Toma Galaon, *Occurrence of Phenolic Endocrine Disruptors in Danube Delta, Romania*, Revista de chimie, 71(3), 2020, 201-211,
10. Nicoleta Vasilache, Elena Diacu, Gabriela Geanina Vasile, Cristina Modrojan, Iuliana Claudia Paun, **Florinela Pirvu** *Groundwater quality assessment for drinking and irrigation purpose using GIS, Piper diagram, and water quality index*, Romanian Journal of Ecology & Environmental Chemistry, vol.2, No.2, 2020, 109-117. <https://doi.org/10.21698/rjeec.2020.214>,
11. Alina Tatarus, Claudia Maria Simonescu, Roxana Elena Scutariu, Vasile Ion Iancu, Florinela Pirvu, Diana Puiu, Toma galaon, *HPLC detection of synthetic dyes in residual waters from wastewater treatment using adsorption on magnetic materials*, Romanian Journal of Ecology & Environmental Chemistry, vol.2, No.2 2020, 22-29. <https://doi.org/10.21698/rjeec.2020.203>
12. Roxana-Elena Scutariu, Gheorghe Batrinescu, Gheorghe Nechifor, Anda Gabriela Tenea, Marius Simion, **Florinela Pirvu**, Ioana-Alexandra Ionescu, Lucian Alexandru Constantin, Georgiana Doleda, *Concentration and Purification of Collagen Proteins by Ultrafiltration*, Revista de Chimie, (Bucharest), vol. 70, No.12, 2019,
13. **Florinela Pirvu**, Jana Petre, Liliana Cruceru, Iuliana Paun, Marcela Niculescu, Luoana Florentina Pascu, Nicoleta Vasilache, Florentina Laura Chiriac, *Physico-chemical characteristics and wastewater quality index for evaluating the efficiency of treatment process effluent*, 21th International Symposium „The Environment and the Industry” SIMI 2018, 20-21 september, 2018, Bucuresti
14. **Pirvu Florinela**, Cruceru Liliana, Niculescu Marcela, Petre Jana, Iancu Vasile-Ion, Pascu Luoana Florentina, Galaon Toma, *New tools for assessment of wastewater quality. Case study, one rural region from Romania*, International Symposium "The Environment and the Industry", 26-27 September 2019, Bucharest, Romania, L:1843-5831 (online); 2457-8371
15. Nicoleta Vasilache, Liliana Cruceru, Jana Petre, Laura Florentina Chiriac, Iuliana Claudia Paun, Marcela Niculescu, **Florinela Pirvu**, Giovanina Lupu, *The removal of nitrate from drinking water, natural water by ion exchange using ion exchange resin, purolite A520E and A500*, 21th International Symposium „The Environment and the Industry” SIMI 2018, 20-21 september, 2018, Bucuresti

### COMUNICARI STIINTIFICE

## Curriculum vitae

1. **Florinela Pîrvu**, Alina Gina Catrina, Cristina Ileana Butnariu, Gigel Paraschiv, *Treatment of wastewater containing pharmaceutical products using nanoadsorbants*, 1 st International Conference on Emerging Technologies in Materials Engineering EmergeMAT 4 th International Workshop on Materials under Extreme Conditions SUPERMAT 14-16 November 2018 – Bucharest, Romania
2. **Pîrvu Florinela**, Butnariu Cristina Ileana, Catrina Gina Alina, Paraschiv Gigel, *Pharmaceutical products removal from wastewater*, International Symposium ISB-INMA TEH' 2018, "Agricultural and Mechanical Engineering" - co-organizator împreună cu INMA București 1-3 november –Bucharest, Romania
3. **Pîrvu Florinela**, Paun Iuliana, Chiriac Florentina Laura, Niculescu Marcela, Lehr Carol Blaziu, Pascu Luoana Florentina, Galaon Toma, *Evaluation of the efficiency of wastewater treatment plants in rural regions of Romania using the wastewater quality index*, 9<sup>th</sup> International Conference of the Chemical Societies of the South-Eastern European Countries”, 09-10 Mai 2019, Targoviste, Romania, Book of abstracts, pag. S1-P-25
4. Cristina Ileana Butnariu, Loredana Diaconu, **Florinela Pîrvu**, Alina Gina Catrina Gigel Paraschiv, *Phytoremediation of copper and nickel from polluted water with typha angustifolia*, 1 st International Conference on Emerging Technologies in Materials Engineering EmergeMAT 4 th International Workshop on Materials under Extreme Conditions SUPERMAT 14-16 November 2018 – Bucharest, Romania;
5. Cristina Ileana Butnariu, Andreea Mircea, **Florinela Pîrvu**, Alina Gina Catrina, Gigel Paraschiv, *Nanoparticles application in wastewater treatment by flotation*, 1 st International Conference on Emerging Technologies in Materials Engineering EmergeMAT 4 th International Workshop on Materials under Extreme Conditions SUPERMAT 14-16 November 2018 – Bucharest, Romania;
6. Cristina Ileana Butnariu, Monica Turcan, Ecaterina Matei, **Florinela Pîrvu**, Alina Gina Catrina , Gigel Paraschiv, *Depollution of wastewaters using nanobiotechnology based on new TiO2 photocatalyst*, 1 st International Conference on Emerging Technologies in Materials Engineering EmergeMAT 4 th International Workshop on Materials under Extreme Conditions SUPERMAT 14-16 November 2018 – Bucharest, Romania
7. Cristina Ileana Butnariu, Oana Stoian, Alina Gina Catrina , **Florinela Pîrvu**, Gigel Paraschiv, *Wastewater treatment using zeolite*, 1 st International Conference on Emerging Technologies in Materials Engineering EmergeMAT 4 th International Workshop on Materials under Extreme Conditions SUPERMAT 14-16 November 2018 – Bucharest, Romania
8. Florentina Laura Chiriac, Iuliana Paun, **Florinela Pîrvu**, Liliana Cruceru, Luoana Florentina Pascu, New LC-MS method for acrylamide determination in environmental water samples, 21th International Symposium „The Environment and the Industry” SIMI 2018, 20-21 september, 2018, Bucuresti, (BDI)
9. C.I. Covaliu, G. Paraschiv, G.A. Catrina (Traistaru), **F. Pîrvu**, *Magnetite and zeolite nanomaterials for removal of acetaminophen from wastewater*, 12th International Conference on Materials Science & Engineering BraMat 2019, 13-16 martie Brasov, Romania, pp.22, [http://www.bramat.ro/uploads/7/7/4/0/77408170/program\\_bramat2019m.pdf](http://www.bramat.ro/uploads/7/7/4/0/77408170/program_bramat2019m.pdf)
10. Roxana-Elena Scutariu, Gheorghe Batrinescu , Gheorghe Nechifor , **Florinela Pîrvu** , Lucian Constantin, Georgiana Dolete, Concentration of collagen proteins by ultrafiltration compared to a standard protein (BSA), International Symposium “The environment and the Industry”, Simi 2019, Bucharest, Romania, (BDI)
11. Chiriac Florentina Laura, Paun Iuliana, **Pîrvu Florinela**, Iancu Vasile, Tatarus Alina, Lehr Carol Blaziu, Pascu Luoana Florentina, Galaon Toma, *Occurrence of bisphenol a and its major metabolite 4-hydroxyacetophenone in some municipal wastewater treatment plants in Romania*, International Symposium "The Environment and the Industry", 26-27 September 2019, Bucharest, Romania, L:1843-5831 (online); 2457-8371 (BDI)
12. Paun Iuliana, Chiriac Florentina Laura, **Pîrvu Florinela**, Vasile Gabriela, Cruceru Liliana Valeria, Marin Nicoleta Mirela, Niculescu Marcela, Vasilache Nicoleta, Galaon Toma, *Assessment of heavy metals contamination in groundwater sources from*



### Curriculum vitae

Ialomita County , International Symposium "The Environment and the Industry", 26-27 September 2019, Bucharest, Romania, :1843-5831 (online); 2457-8371 (BDI)

13. Iancu Vasile-Ion, Radu Gabriel-Lucian, Petre Jana, Galaon Toma, Scutariu Roxana, **Pirvu Florinela**, Paun Iuliana, Serban Gabriel, *Determination of glyburid, glimepirid and repaglinid in wastewater samples*, International Symposium "The Environment and the Industry", 26-27 September 2019, Bucharest, Romania, L:1843-5831 (online); 2457-8371 (BDI)

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