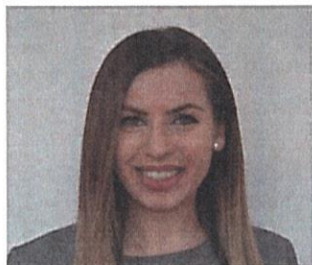


## PERSONAL INFORMATION

Iasmina- Florina Burlacu



📍 no. 3, Panduri street, Călărași, 910157, Romania

☎ +40 732 875 449

✉ iasminaburlacu@yahoo.com

💬 Skype: iassminaa\_1

🌐 Research gate: [https://www.researchgate.net/profile/Iasmina\\_Burlacu2](https://www.researchgate.net/profile/Iasmina_Burlacu2)

Sex Female | Date of birth 11/06/1991 | Nationality romanian

## WORK EXPERIENCE

2014 - present

**Scientific Researcher III/ Director of the Technological Transfer Center  
National Institute for Research and Development in Environmental Protection- Bucharest  
(INCDPM- Bucharest)**

Address: 294 Splaiul Independenței, 6th District, 060031, Bucharest, Romania

Phone: +40 (0)21 305 26 00

+40 (0)37 229 86 00

Fax: +40 (0)21 318 20 01

E-mail: [incdpm@incdpm.ro](mailto:incdpm@incdpm.ro)

Website: <https://www.incdpm.ro/production/ro/>

### Main activities and responsibilities:

- Director of the *Technological Transfer Centre- INCDPM Bucharest (2017– present)*
- project manager/ team member for national projects
- involvement in projects which aim at streamlining the activity in the field of research and innovation;
- develop and propose research and innovation projects for certain national and international funds
- implementation of research projects, surveillance and reports for research and innovation projects
- representing the institution interests through participation at various debates, working groups, seminars, invention exhibitions salons and national and international conferences (International Exhibition of Inventions Geneva, Switzerland, The 2nd International Conference on Renewable Energy and Environment Engineering- REEE 2019 Germany, EUORINVENT, Scientific Visit in Norway, Institutional Professional Exchange- France, Balkan Environmental Association (BENA) International Conference, etc.)
- elaborating the application for participation in the contest organized by The General Association of Engineers in Romania (AGIR)
- member of the working team for developing the assessment documentation for the new NUCLEU Program „*Environmental, Green Energy, Water, Sturgeons*” (EGEWS)
- filling reports for water analytical results establishing the classification in quality classes according to the Order 161/2006
- documentary synthesis and processing data

### Administrative activity:

- responsible for administration of INCDPM institutional account within the platform ERRIS (*Engage in the Romanian Research Infrastructures System*)
- responsible for administration of INCDPM institutional account within the platform BrainMap
- responsible for administration of the *Natural and Technological Hazards* department update informations on the INCDPM website;
- secretary of Administration Council (June - December 2016), with the following attributions:
  - participation at monthly meetings with the Border Committee of the Institute and the Representatives from Ministry of Research and Innovation, Ministry of Public Finance, Ministry of Water and Forests, Ministry for Labor and Social Protection Units;
  - elaboration of the minute of the meetings.

Business or sector Research

October 2018- January 2019

**Personal counsellor for State Secretary for Policy Research and Innovation  
Ministry of Research and Innovation (MCI Romania)**

Address: Mendeleev, no. 21-25, 010362, 1<sup>st</sup> district, Bucharest, Romania  
Phone: +4021 303.41.98 / +4021 303.41.99  
Fax: +4021 312.66.17  
Email: [contact@research.gov.ro](mailto:contact@research.gov.ro)

**Main activities and responsibilities:**

- administrative activities;
- elaboration of support materials for formal meetings;
- elaboration of support materials concerning the Research and Innovation policies;
- organize and prepare formal meetings/events with different national and international stakeholders in the field;
- consultancy on main priorities on the field of Research and Innovation;
- organize the secretary activity related to Secretary of State Cabinet;
- actions in order to know and prepare the Secretary of State's working agenda;
- monitoring the actions ordered by the Secretary of State and ensures their accomplishment.

Business or sector: Administrative

EDUCATION AND TRAINING

November 2019

**High Level Professional Stage  
POLYTECH Lille, France**

**Structural characterization of some spongieous composite materials functionalized for environmental protection applications**

2016 - 2019

**PhD thesis**

Scholarship of French Government for 2 stages/4 months in France  
**University POLITEHNICA Bucharest, UPB**

Faculty of Material Sciences and Engineering  
Department: Processing of Metallic Materials and Ecometalurgy  
Adresse: Splaiul Independenței, no.313,district 6, Bucharest, 060042, Romania  
Tel/Fax: +4021-402 94 65  
Email: [relatii publice@upb.ro](mailto:relatii publice@upb.ro)  
[www.sim.pub.ro](http://www.sim.pub.ro)

**Ecole Nationale Supérieure de Chimie de Rennes, ENSCR**

Department: Chemistry and Process Engineering, University Rennes  
Adresse: CNRS, ISCR – UMR6226, F-35000 Rennes, France  
<https://www.ensc-rennes.fr/recherche/equipe-cjp/>

**Doctoral thesis title:** Oxidic materials with advanced catalytic properties obtained using diffrent industrial wastes with application on the wastewater treatment

2017

**Romanian Diplomatic Institute  
Certificate**

External Policy and Diplomacy

2014 - 2016

**Master degree- engineering  
University POLITEHNICA Bucharest, UPB**

Faculty of Material Sciences and Engineering  
Specialization: Modern Processes of Engineering and Environmental Protection in Metallic Materials Industry

Adresse: Splaiul Independenței, no.313,district 6, Bucharest, 060042, Romania  
Tel/Fax: +4021-402 94 65  
Email: [relatii publice@upb.ro](mailto:relatii publice@upb.ro)  
[www.sim.pub.ro](http://www.sim.pub.ro)

2014 - 2016

**MBA Master Degree-Project Management**





**National University of Political Studies and Public Administration (SNSPA)**  
 Faculty of Communication and Public Relations  
 Specialization: Project Management,  
 Program accredited by the Project Management International Global Accreditation Centre (PMI) for  
 Project Management Education Programs GAC

Address: Bd. Expoziției, Nr. 30A, International Relations (3rd floor, room #323), Sector 1,  
 Bucharest,  
 Tel/Fax: +40372249769 Email: info@comunicare.ro  
 Site web: <http://www.comunicare.ro>

**Course Outlines:**  
 Project Management I and II, Design and implementation of EU-funded projects, Globalization and  
 European Integration, Leadership and Project Team Management, Projects Evaluation and Audit,  
 Project Management Software, Public Communication in the European Union, Preparation and  
 Implementation of Research Projects, Strategic Management, Research methods and techniques,  
 New Project Management Methodologies: Agile and Scrum, Risk Management, internship.

2010- 2014 **Bachelor Degree in Engineering**  
 Degree of psiho-pedagogical module  
 ERASMUS Student for Bachelor licence preparation  
 University POLITEHNICA Bucharest,  
 Faculty of Material Sciences and Engineering  
 Specialization: Engineering and Environmental Protection in Industry

**Ecole Nationale Supérieure de Chimie de Rennes, ENSCR**  
 Department: Chemistry and Process Engineering, University Rennes

August-September 2013 **Summer Internship Program ARCELOR MITTAL GALAȚI**  
**Certificate**

Project developed: „Improvement of hot metal thermal regulation”  
 Area: Blast Furnace, Control Process at Blast Furnace number 5

May-July 2013 **Certificate**

Internship TRIPOD Programme at National Institute for Research and Development pment  
 in Environmental Protection, Bucharest (INCDPM)  
 Project developed: „Water quality monitoring”

July-September 2012 **Certificate**

Summer Internship Program TENARIS SILCOTUB, Donasid  
 Călărași  
 2 projects: „Casting Powders tests” Continuous casting machine area  
 „ Analysis of ferroalloys using induction furnace from Laboratory” activity that took place at the  
 Laboratory of the SteelShop

**PERSONAL SKILLS**

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	B2	B2	B2	B2	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
Common European Framework of Reference for Languages

Communication skills

- good communication skills, I improved my communication skills by attending scientific sessions, supporting public presentations and following master classes at the Faculty of Communication and Public Relations;
- Presentation skills improved by attending to public speaking sessions (eg. Contest *Ma these en 180*)



secondes, organized by the Romanian French Institute; FameLab contest, organized by British Council etc.).

Organisational / managerial skills ▪ leadership (currently **director** of the *Technological Transfer Centre of the National Institute for Research and Development in Environmental Protection- Bucharest*, responsible of a team of 5 persons)

Job-related skills ▪ good administrative abilities (currently responsible for institutional account within the platform ERRIS-Engage in the Romanian Research Infrastructures System and BrainMap account)

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Independent user	Proficient user

Levels: Basic user - Independent user - Proficient user  
 Digital competences - Self-assessment grid

- Microsoft Project (planning period for project implementation, diagrams, resources planning, Gantt Chart, etc)
- competent with most Microsoft Office programmes (Word, Excel, PowerPoint)
- AutoCad
- MathCad

Other skills - teamwork skills gained through participation in various projects, trainings; e.g. in 2012 I participated with the student organization EESTEC from Soft Skills Academy at some trainings organized by *Price Waterhouse Coopers* where were taken several modules such as *leadership, time management, working team*; another example could be in 2018 when I attended the *Entrepreneurial Competences trainings* where were formed teams to apply theoretical knowledge learned, organized by the European Structural Funds team from Romania;

- project management, project team management, project Management Software (Microsoft Project)

- ability to adapt to the new environments for example the experience of the fourth year of studies when I was Erasmus student in France for a period of three months might illustrate the capability of adaptability to new environment, another example could be the internships held in Galati for two months or the most recent the PhD stages in France in 2017 and 2019.

Driving licence B



ANNEXES  
 ADDITIONAL INFORMATION  
 Publications

**ISI & BDI circulation:**

1. **Burlacu Iasmina- Florina**, Lidia Favier, Ecaterina Matei, Cristian Predescu, György Deák, *Successful elimination of a refractory emergent organic compound from aqueous system using different catalytic materials*, Scientific Bulletin UPB, Scientific Bulletin, University Politehnica of Bucharest, nr.4, seria B- Chimie și Știința Materialelor, Vol. 81, Issue 4, pag. 217- 226, **2019**, ISSN 1454- 2331
2. **Burlacu Iasmina- Florina**, Lidia Favier, Ecaterina Matei, Cristian Predescu, György Deák *Photocatalytic degradation of a refractory water pollutant using nanosized catalysts*, Journal of Environmental Protection and Ecology (JEPE), vol. 21, 2: 571- 578 (**2020**), ISSN 1311-5065
3. A-F Nicolae, G. Poteraș, Gy. Deak, A-I Dăescu, **Burlacu Iasmina- Florina**, *Innovative complex installations for the eco- electricity production in coastal areas*, European Journal of Materials Science and Engineering, Vol. 3, Issue 4, **2018**: 173- 183, ISSN: 2537- 4338
4. Ciobotaru I.-E., Marcu E., Deák Gy., Ivanov A.A., Maria C., Tociu C., Ionescu P., **Burlacu Iasmina- Florina**, Zamfir Șt.I., Radu V.M., Cimpoeru C., Vlăduț N.V., *Assessment of the status of the Arges river near Bucharest- Ilfov*, ISBN INMA- TEH Agricultural and mechanical engineering- International Symposium, ISSN 2344 – 4118, **2018**
5. **Burlacu Iasmina - Florina**, Gyorgy Deak, Raischi Marius, Marius Olteanu, *Greening Solutions Applicable in the tailing ponds Tăusani and Bosneag from Moldova Nouă*, indexed SCOPUS, DOI: 10.1088/1757-899X/209/1/012097, open access, **2017**
6. **Burlacu Iasmina- Florina**, Cristian Dobrescu, *Mold powders for continuous casting*, Academic Journal, Metalurgia Magazine, Vol. 65 Issue 4, p.17, **2013**

**Proceedings:**

1. Marcus Iuliana, Dumitru Florina- Diana, Moncea Andreea, Baraitaru Andreea, Burlacu Iasmina-Florina, Gyorgy Deak *Researches regarding the possibility of using various types of wastes with/without hazardous substances, in inorganic binders- Development of prefabricated elements from biner materials obtained by using waste, with/without dangerous substances* pag. 474, ISSN Print: 2601- 4564, online: 2601- 4572, Proceedings of the 10<sup>th</sup> Edition of EUROINVENT European Exhibition of Creativity and Innovation 2018
2. Daescu Andreea, Holban Elena, Mincu Mariana, **Burlacu Iasmina- Florina**, RO 196. *Research on the reduction of hazardous substances from urban wastewater through the use of natural products*, pag. 460, ISSN Print: 2601- 4564, online: 2601- 4572, Proceedings of the 10<sup>th</sup> Edition of EUROINVENT European Exhibition of Creativity and Innovation 2018
3. Dumitru Florina- Diana, Moncea Andreea, Baraitaru Andreea, **Burlacu Iasmina- Florina**, Deak Gyorgy *Developing of various ecological composite material by using secondary raw materials- Assessment of stability and durability over time in different storage conditions of the ash- based compositions resulted from sludge co-incineration*, pag. 475, ISSN Print: 2601- 4564, online: 2601- 4572, Proceedings of the 10<sup>th</sup> Edition of EUROINVENT European Exhibition of Creativity and Innovation 2018
4. George Poteras, Gyorgy Deak, Alina Nicolae, Andreea Daescu, **Burlacu Iasmina- Florina** *Innovative technologies for renewable energy production from integrated natural sources in complex installations- TEACHERS*, Complex Project 27 PCCDI/2018, pag. 463, ISSN Print: 2601- 4564, online: 2601- 4572, Proceedings of the 10<sup>th</sup> Edition of EUROINVENT European Exhibition of Creativity and Innovation 2018
5. Poteras George, Gyorgy Deak, Alina Nicolae, **Burlacu Iasmina- Florina**, Andreea Daescu, *Comparative analysis on eolian blades types, with geometry design inspired by nature*, contract no. 81/PCCDI/2018 TEACHERS, ISSN: 2315- 4462, International Conference on Renewable Energy and Environment Engineering, REEE 2018, 2018

**Book of abstracts:**

1. George Poteras, György Deak, Andreea Daescu. Alina Nicolae, Marius Olteanu, **Burlacu Iasmina- Florina**, Marius Raischi, *Innovative devices of eco-electricity production from multiple sources of energy*, eISBN 978- 606- 8887- 27-2, 12th International Conference on Disaster risk reduction for sustainable societies- ELSSEDIMA, **2018**



2. **Burlacu Iasmina - Florina**, Gyorgy Deak, Raischi Marius, Marius Olteanu, *Greening Solutions Applicable in the tailing ponds Tăusani and Bosneag from Moldova Nouă*, ISBN 978-606-775-624-1, on the 10<sup>th</sup> Edition of EUROINVENT ICIR 2017
3. Ionescu P., Radu M-V, Ciobotaru I.E., Burlacu Iasmina-Florina, Marcu E. Assessment of heavy metals levels in water, sediment and fish from Plumbuita lake, Romania, ISBN : 9788890755361, Conference on Ecology and Protection of Marine and Freshwater Environments, EcoProWater, October 1-3, 2015, Viterbo, Italy, p. 58,2015

#### Other magazines of national circulation:

Technica Instalațiilor magazine (2013):

1. Ioana, A., **Burlacu, Iasmina-Florina** *Opportunities and challenges in economical crises with the title: Aspects of communications of science in the context of International competitions FameLab 2013- national phase*, „Installations Techic” magazine, year XIII.06(113)/2013”
2. Ioana, A., **Burlacu, Iasmina-Florina**, Rusu, L.A., Cruțescu, A., *Elements for complex automation of ecometallurgical systems ACSE (I)*, „Installations Techic” magazine year XIII, no.9(116)/2013, ISSN 1582-6244, Anul XIII, pg. 46-47, Târgu Mureș, 2013
3. Ioana, A., Rotariu, C., **Burlacu, Iasmina-Florina**, *Functional and technological variables in industrial operation of electric arc furnaces (CAE)* „Installations Techic” magazine”, year XIII, no.7(114)/2013, ISSN 1582-6244, pg. 21-22, Târgu Mureș, 2013
4. Rotariu, C., **Burlacu Iasmina-Florina**, *Opportunities and challenges in the economic crisis*, „Installations Techic” magazine, year XIII, nr. 6(113)/2013, ISSN 1582-6244, pg. 10-11, Târgu Mureș, 2013
5. Ioana, A., **Burlacu, Iasmina-Florina**, *Complex automation for sustainable development*, „Installations Techic” magazine , year XIII, no. 6(113)/2013, ISSN 1582-6244, pg. 36-37, Târgu Mureș, 2013
6. Ioana, A., Alina-Nicoleta Colan, **Burlacu, Iasmina-Florina**, *Pre-selection from POLIFEST FAMELAB 2013,— University Politehnica of Bucharest*, Revista „Installations Techic” magazine, year XIII, no. 4(111)/2013, ISSN 1582-6244, pp. 12- 13, Târgu Mureș, 2013
7. Ioana, A., **Burlacu, Iasmina-Florina**, „Science Communication Aspects at FAMELAB 2013 International Competition”— national phase, „Installations Techic” magazine, year XIII, no. 6(113)/2013, ISSN 1582-6244, pg. 14-15, Târgu Mureș, 2013

#### Conferences and presentations

1. Seminar, *New advanced oxidic material functionalized for applications in wastewater treatment*, Université de Lille 1, Unité Matériaux et Transformations (UMET), Faculté Sciences et Technologies, 19 November, **2019**
2. George Poteraș, György Deák, Marius Viorel Olteanu, **Burlacu Iasmina-Florina**, Cristina Sirbu *Profiles of blades and paddles for turbines with geometry design inspired by nature*, International Conference on Renewable Energy And Environment Engineering (REEE), 19- 22 August, Munich, Germany, (oral presentation), **2019**
3. **Burlacu Iasmina-Florina**, Lidia Favier, Ecaterina Matei, Andra Predescu, Cristian Predescu *Photocatalytic degradation of a refractory water pollutant using nanosized catalysts*, International Workshop on “Environmental Engineering and Sustainable Development, University of Alba Iulia and Balkan Environmental Association (BENA), Alba Iulia, Romania **2019** (poster presentation),
4. Poteras George, Gyorgy Deak, Alina Nicolae, **Burlacu Iasmina-Florina**, Andreea Daescu, *Comparative analysis on eolian blades types, with geometry design inspired by nature*, contract no. 81/PCCDI/2018 TEACHERS, International Conference on Renewable Energy and Environment Engineering (REEE 2018), 29-31 Octombrie, Paris, France **2018**
5. **Burlacu Iasmina-Florina**, Daescu Andreea Ioana, Elena Holban, Madalin Silion et all, *Research on the reduction of hazardous substances from urban wastewaters through the use of natural products*, International Conference EUROINVENT, Iași, Romania **2018**
6. Daescu Andreea Ioana, George Poteras, György Deak, Alina Nicolae, **Burlacu Iasmina-Florina**, Marius Raischi, *Innovative devices of eco- electricity production from multiple sources of energy*, 12th International Conference on Disaster risk reduction for sustainable societies-ELSEDIMA, Cluj Napoca, Romania **2018**





7. **Burlacu Iasmina- Florina**, Daescu Andreea Ioana, Elena Holban, Madalin Silion et al, *Electrochemical method for diagnosis of alkali-aggregate reactions in the laboratory*, International Conference EUROINVENT, Iași, Romania **2018**
8. Iuliana Marcus, F.D Dumitru, Mihaela Andreea Mocnea, Gyorgy Deak, **Burlacu Iasmina-Florina**, *Presentation of the development of prefabricated elements from binder materials obtained by using waste, with/without hazardous substances*, International Conference EUROINVENT, Iași, Romania **2018**
9. Iuliana Marcus, F.D Dumitru, Mihaela Andreea Mocnea, Gyorgy Deak, Andreea Baraitaru, **Burlacu Iasmina- Florina**, et al, *Presentation of the assessment of stability and durability over time in different storage conditions of the ash-based compositions resulted from sludge co-incineration*, International Conference EUROINVENT, Iași, Romania, **2018**
10. F.D Dumitru, Mihaela Andreea Mocnea, Gyorgy Deak, Andreea Baraitaru, **Iasmina Burlacu**, et al, *Presentation of microstructural particularities of the complex ecological composite materials highlighted by scanning electron microscopy*, International Conference EUROINVENT, Iași, Romania **2018**
11. **Burlacu Iasmina- Florina**, Lidia Favier, Ecaterina Matei, Andra Predescu, Cristian Predescu *Successful elimination of a refractory pharmaceutical compound from aqueous system using nanosized catalysts*, XXXV-th Romanian chemistry conference, Căciulata, Romania, **2018**
12. **Burlacu Iasmina – Florina**, Gyorgy Deak, Raischi Marius, Marius Olteanu, *Greening Solutions Applicable in the Tailing Ponds Tăusani and Bosneag from Moldova Nouă*, International Conference EUROINVENT,(poster and oral presentation), Iași, Romania, **2017**
13. Mihaela Ilie, Florica Marinescu, Gina Ghita, Deák György, Alexandru Petrescu, Ana-Maria Anghel, Ioana Savin, Bogdan Uritescu, **Burlacu Iasmina- Florina.**, Marius Raischi, *Assessment of nutrients chlorophyll a relationship in the Lower Danube River*, International Conference on Sea and Coastal Development in the frame of Sustainability "MACODESU 2015" B EN A, 18-20 September, Trabzon, Turkey, **2015**
14. P. Ionescu, V.-M. Radu, I. E. Ciobotaru, **Burlacu Iasmina- Florina**, E. Marcu, *Assessment of heavy metal levels in water, sediment and fish from Plumbuita Lake, Romania*, 1st International Conference on Ecology and Protection of Marine and Freshwater Environments, EcoProWater, October 1-3, Viterbo, Italy, p. 58, ISBN 9788890755361, **2015**
15. **Burlacu Iasmina-Florina**, Ecaterina Matei, Mihaela Ilie, Gina Ghiță, F. Marinescu, Gy. Deák, *The retention of Zn and Pb using the activated carbon adsorbent of different size*, 8th International Symposium On Cement Based Materials for a Sustainable Agriculture, 22-25 October, Iași, Romania, **2015**

#### Patents

1. **Burlacu Iasmina- Florina**, Deák György, Marcu Ecaterina, Manea Cristina and Panait Ana-Maria, *Composite material covered with Zinc Oxide and methode of obtaining it - SpongeMat/ZnO*, patent application no. A/2019/00386
2. Poteraș George, Deák György, Nicolae Alina Florina, Dăescu Andreea Ioana, **Burlacu Iasmina- Florina** *Electrochemical method for diagnosis of alkali-aggregate reactions in the laboratory*, patent no. A 2018/0099
3. George Poteraș, György DEÁK, Alina-Florina NICOLAE, Andreea Ioana DĂESCU, **BURLACU Iasmina- Florina**, Ionel NEACȘU *Blades with geometry inspired by a bio- engineering model for wind and hydraulic turbines*, patent: no. A/2018/00903

#### Involvement in projects national & international level

##### International project:

1. *Mapping and assessment of the ecosystem services in Divici- Pojejena wetland and identification of their contribution to the economic sectors (WETECOS)*, financed by EEA Grants, project responsibility: **implementation expert 3**, norwegian partner NIBIO, project duration: September 2015- March 2017

##### National projects:

- financed by UEFISCDI:

1. Complex project TEACHERS, *Innovative technologies for renewable energy production from integrated natural sources in complex installations (TEACHERS)*, ctr. no. 81 PCCDI/2018 project responsibility: **communication responsible**, Consortium: coordinator: National Institute for



Research and Development in Environmental Protection – Bucharest (INCDPM), and partners: ICPE-CA, INMA, UPB (2018 – present)

- financed by Ministry for Research and Innovation (MCI), Romania:
  1. **Sectorial Program 2017 - Technologies for the recovery of sludge from municipal wastewater treatment plants and waste dumps**, project responsibility: **communication responsible**, project duration 2017- 2018
  2. **Sectorial Program 2017 – Research to support the development of the capacity to assess and mitigate the impact of climate change and other stressors on the state of forest ecosystems and wine-growing**, project responsibility: **communication responsible**, project duration 2017-2018
  3. NUCLEU Program PN 18260203, phase 1, *Current situation regarding the technologies used nationally and globally to improve the quality of wastewater loaded with dangerous organic pollutants*, **Project manager** , 2018
  4. NUCLEU Program, PN 18260203, phase 2 *Laboratory experiments using modern processes to reduce the degree of pollution with dangerous organic compounds*, **Project manager**, 2018
  5. NUCLEU Program, PN 18260203, Phase 3, *Experiments on mobile station regarding the effectiveness of laboratory tested procedures*, **Project manager**, 2018
  6. NUCLEU Program, PN 16 04 03 28, financed by Ministry for Research and Innovation (MCI), Romania, phase 1 *Aspects regarding technical data regarding the advanced methods of determination and reduction of pesticides in wastewater, methodology and provision of the necessary equipment*, **Project manager**, 2016
  7. NUCLEU Program, PN 16 04 01 07.4, financed by Ministry for Research and Innovation (MCI), Romania, *Making prefabricated elements made of binder materials obtained by the use of waste, with or without hazardous substances*, **Project manager**, 2017
  8. NUCLEU Program PN 09 06 03 66.2: financed by Ministry for Research and Innovation (MCI), Romania, *The influence of hydrological and hydrochemical factors on sturgeon reproductive behavior*, **Project manager**, 2015
  9. NUCLEU Program PN 09 06 01 22.2:., financed by Ministry for Research and Innovation (MCI), Romania, *Research on ecological waste dumps and tailings dams, resulting from the activities of mining with cross-border impact*, **Project manager**, 2015
  10. NUCLEU Program PN 16 04 01 07.4. *Manufacture of some prefabricated elements from binder materials obtained by using waste, with/without dangerous substances content*, **Project responsible**, 2017
  11. NUCLEU Program PN 09 06 02 47.1 *Research on the development of techniques and procedures for evaluating the presence and impact caused by inorganic micropollutants in the aquatic trophic chain under the influence of anthropogenic factors*, **Project responsible**, 2015
  12. NUCLEU Program PN 09 06 02 47.2 *Researches on the influence of inorganic micropollutants on aquatic ecosystems. Case study Arges River - 1 December area, Ilfov county*, **Project responsible**, 2015
  13. NUCLEU Program PN 09 06 03 65.1: *Carrying out field studies in order to obtain the informational volume required to run the hydraulic modeling software*, **Team member**, 2015
  14. NUCLEU Program PN 09 06 03 52. 1: *Aspects regarding the corrosion of old buildings along the Black Sea coast*, **Team member**, 2015
  15. NUCLEU Program PN 09 06 03 52. 2: *Microstructural particularities of the materials used in the construction of old coastal constructions with the help of modern investigation techniques*, **Team member**, 2015
  16. NUCLEU Program PN 09 06 02 45.1 *Analysis of the abiotic factors that influence the regime of the Divici-Pojejena wetland, Caras-Severin county, under the conditions of climate change*, **Team member**, 2015
  17. NUCLEU Program PN 09 06 01 14. 3: *Reduction of greenhouse gas emissions when using alternative fuels*, **Team member**, 2015
  18. NUCLEU Program PN 09 06 01.10.1.: *Creation of a system for evaluating the risk of the population in relation to the exposure to nitrates/nitrites and specific microorganisms, present in the groundwater from areas affected by agricultural activities. Case study*, **Team member**, 2015





Projects proposals  
 National & International

19. NUCLEU Program PN 09 06 02 38. 4: Development and optimization of a gas chromatographic method for the determination of estrogens in the aquatic environment, **Project responsible**, 2014

**International projects proposals:**

- 1.EEA-RO-NO-2019-0559, *Preserving sturgeon in the lower Danube- innovative methods for habitat use, migration and mitigation measures* (PRESTIM), Area: Environment, Coordinator: National Institute for Research and Development in Environmental Protection – Bucharest (INCDPM), Romania and R&D Partner SINTEF from Norway, proposal registration ID: 0559, 2019
- 2.EEA-RO-NO-2018-0303, *Methodology for assessing the impact of hydropower system-environment in the context of climate change* (HYDROMet), Area: Energy, Consortium: National Institute for Research and Development in Environmental Protection – Bucharest (INCDPM), Romania and R&D Partner SINTEF from Norway, proposal registration ID: 0303, 2018
- 3.EEA-RO-NO-2018-0258, *Research to improve freshwater ecosystem services through the creation of a database for priority hazardous substances bioaccumulation in biota with potential risks on the environment and human health* (FRESHDATA), 2018
- 4.EEA-RO-NO-2018-0208, *Managing the risk of extreme phenomena impact and adaptation forest management*, 2018
- 5.Proposal title: *Cross- border cooperation between Ro- Md in order to promote innovative solutions for the production of renewable energy*, ENI- Cross Border Cooperation Romania- Republic of Moldova, Consortium: National Institute for Research and Development in Environmental Protection – Bucharest (INCDPM), Romania and ONG Republic of Moldova, 2018
- 6.Proposal title: *Sustaining Ro-Md cross border cooperation actions for flooding emergency situations through knowledge transfer*, ENI- Cross Border Cooperation Romania- Republic of Moldova, Consortium: National Institute for Research and Development in Environmental Protection – Bucharest (INCDPM), Romania and ONG Republic of Moldova, 2018
- 7.Danube Transnational Program, *Strategies for the creation of Eco-touristic centers in areas with a fishery tradition in order to protect the ichthyofaunal against poaching and to protect the national and cultural heritage*, 2015

**National projects proposals:**

1. PN-III-P2-2.1-PED-2019-3964- *From advanced functionalized materials to demonstrative model and environmental friendly technology for drinking water and wastewater treatment through heterogeneous photo catalysis* (TechUVCleanWWater), 2019
- 2.POR/2017/1.1.1C/1- Regional Operational Program axis: Promotion of the technological transfer, proposal title, *Innovative mobile technology for the treatment and treatment of sludge and wastewater for the purpose of their valorisation in the economic circuit*, (Applicant: Technological Transfer Cetre- INCDPM in partnership with SME Horse team, 2018
- 3.POIM/178/4/1- Operațional Programe of High Infrastructure (Increasing the protection and preservation of biodiversity and restoration of degraded ecosystems), proposal title : *Implement the measures included in the national action plan for brown bear (Ursus arctos) in Romania*, Consortium: National Institute for Research and Development in Environmental Protection – Bucharest (INCDPM), Romania and Ministry of the Environment Romania, 2018
- 4.PCCDI 2017- UEFISCDI- Complex Project *Project Innovative technologies for the production of renewable energy from natural sources integrated in complex-* TEACHERS, 2017
- 5.PCCDI 2017- UEFISCDI- Complex Project Component Project 4 *Restoring ecological balance in uranium mining areas by using innovative remediation systems*, 2017
- 6.PN-III-P1-1.2-PCCDI-2017-0659 *Scientific basis regarding the maintenance technologies and protection of vegetable crops in the context of current climate change*, (LEGSTITEH), (Project 1), 2017
- 7.PN-III-P1-1.2-PCCDI-2017 *The scientific basis for the anthropic changes of river beds in the context of climate change action* (Project 1), 2017
- 8.PN-III-P1-1.2-PCCDI-2017 PROIECT COMPLEX *Integrated risk management associated with*





radioactive waste deposits, MaRiMin, 2017

9. Sectorial Program 2017 – Ministry for Research and Innovation (MCI), Romania, *Technologies for the recovery of sludge from municipal wastewater treatment plants and waste dump*, 2017

10. Sectorial Program 2017 – Ministry for Research and Innovation (MCI), Romania, *Research to support the development of the capacity to assess and mitigate the impact of climate change and other stressors on the state of forest ecosystems and wine-growing*, 2017

11. ROSA – STAR, *Development of a technology for the prognosis of the industrial land fields stability by an integrated system of numerical simulation, satellite techniques and in-situ measurements - Case study: the tailings ponds Bălan (BALSATELIT)*, 2016

#### Certificates

1. Certificate of Attendance, *Chemistry and Process Engineering Department*, Ecole Nationale Supérieure de Chimie de Rennes, France, jan- may 2019

2. Certificate of Attendance „*Culture of sustainable development*”, 2018

3. Antreprenorial Competences, National Ministry of Education and Scientific Research, 2018

4. Bases in *Management of Innovation and Technological Transfer*, CIT- IRECSON, 2018

5. Certificate of Attendance, *Chemistry and Process Engineering Department*, Ecole Nationale Supérieure de Chimie de Rennes, France, oct 2017 - jan 2018

6. Certificate of Graduation the course „*External Policy and Diplomacy*”, Diplomatic Romanian Institute, Ministry of Foreign Affairs, 2017

7. *Communications Sciences*, Studies Program: Project Management, *MS Project software*, National Ministry for Education, SNSPA, Masteral degree, 2016

8. Certificate for *Implementing modern TIC technologies for electronic monitoring of the datas regarding the activities and infrastructures from Research and Development*, Ministry for Regional Development and Public Administration, MDRAP, 2015

9. Certificate for *Experts, Specialists and Consultants in implementing UE Strategy for Danube Region (SUERD)*, Romanian Academy, EUSDR International Honorary Chair “Jean Bart”, 2015

10. Certificate of graduation for *Teaching staff*, University Politehnica of Bucharest, Ministry of National Education, 2015

11. Certificate of Linguistic Competences- English Language- advanced level, 2010

12. Certificate of *Digital competences*, advance user, 2010

#### Honours and awards

1. **Certificate of Attendance** for the paper: Profiles of Blades and Paddles for Turbines with Geometry Design inspired by nature, REEE, Germany, 2019

2. **Certificate of Attendance** for the paper *Photocatalytic degradation of a refractory water pollutant using nanosized catalysts*, International Workshop on “Environmental Engineering and Sustainable Development, University of Alba Iulia and Balkan Environmental Association (BENA), 2019

3. **Participation Prize** at the contest *MT 180*, with the paper: *Oxidic materials with photocatalytic proprieties obtained from waste with application in water treatment*, **National Phase, 2019**

4. **Gold medal and Certificate of Attendance** for the paper *Research on the reduction of hazardous substances from urban wastewater through the use of natural products*, Daescu Andreea, Holban Elena, Mincu Mariana, **Burlacu Iasmina- Florina**, at **EUROINVENT 2018, X Edition European Exhibition of Creativity and Innovation**

5. **Gold Medal and Certificate of Attendance** for the paper *Innovative technologies for renewable energy production from integrated natural sources in complex installations-TEACHERS*, Complex Project 27 PCCDI/2018, George Poteras, Gyorgy Deak, Alina Nicolae, Andreea Daescu, **Burlacu Iasmina- Florina**, at **EUROINVENT 2018, X Edition European Exhibition of Creativity and Innovation**

6. **Silver medal and Certificate of Attendance** for the paper *Electrochemical method for diagnosis of alkali- aggregate reactions in the laboratory*, authors: George Poteras, Gyorgy Deak, Alina Nicolae, Andrea Daescu, **Burlacu Iasmina- Florina** at **EUROINVENT 2018, X Edition European Exhibition of Creativity and Innovation**

7. **Silver medal and Certificate of Attendance** for the paper *Researches regarding the possibility of using various types of wastes with/without hazardous substances, in inorganic binders-Development of prefabricated elements from biner materials obtained by using waste, with/without dangerous substances* Marcus Iuliana, Dumitru Florina- Diana, Moncea Andreea, Baraitaru Andreea, **Burlacu Iasmina- Florina**, Gyorgy Deak at **EUROINVENT 2018, X Edition**





European Exhibition of Creativity and Innovation

8. **Bronze medal and Certificate of Attendance** for the paper *Developing of various ecological composite material by using secondary raw materials- Assessment of stability and durability over time in different storage conditions of the ash- based compositions resulted from sludge co-incineration*, Dumitru Florina- Diana, Moncea Andreea, Baraitaru Andreea, **Burlacu Iasmina-Florina**, Deak Gyorgy at EUROINVENT 2018, X Edition European Exhibition of Creativity and Innovation
9. **Bronze medal and Certificate of Attendance** for the paper: *Developing of various ecological composite material by using secondary raw materials- Microstructural particularities of the complex ecological composite materials highlighted by scanning electron microscopy*, Dumitru Florina- Diana, Moncea Andreea, Baraitaru Andreea, **Burlacu Iasmina-Florina**, Deak Gyorgy at EUROINVENT 2018, X Edition European Exhibition of Creativity and Innovation
10. **Certificate of attendance** for the paper *Innovative devices of eco-electricity production from multiple sources of energy*, Daescu Andreea Ioana, George Poteras, György Deak, Alina Nicolae, **Burlacu Iasmina-Florina**, Marius Raischi, 12th International Conference on Disaster risk reduction for sustainable societies- ELSEDIM, Cluj- Napoca, **2018**
11. **Certificate for listener** for the paper *Comparative analysis on eolian blades types, with geometry design inspired by nature, contract no. 81/PCCDI/2018 TEACHERS*, Poteras George, Gyorgy Deak, Alina Nicolae, **Burlacu Iasmina-Florina**, Andreea Daescu, International Conference on Renewable Energy and Environment Engineering (REEE 2018), 29-31 Octombrie, France, Paris, **2018**
12. **Certificate of attendance** for the paper *Greening solutions applicable in the tailing pond Tăușani and Boșneag, Moldova Nouă*, **Burlacu Iasmina-Florina**, Gy. Deak, M.C. Raischi, A.I. Dăescu, A.Ș.Zamfir, M.Olteanu, ICIR- International Conference on Innovative Research EUROINVENT 2017- European Exhibition of Creativity and Innovation,
13. **Certificate of attendance** for the paper *The retention of Zn and Pb using the activated carbon adsorbent of different size*, **Burlacu Iasmina-Florina**, Ecaterina Matei, Mihaela Ilie, Gina Ghiță, F. Marinescu, Gy. Deák, 8th International Symposium On Cement Based Materials for a Sustainable Agriculture, BENA, 22-25 October 2015;
14. **Certificate of attendance**, at the communication session „*Pollution prevention and monitoring of the environmental factors*”, POSDRU ID 136776
15. **Attendance Certificate** at the Regional phase of the scientific contest Fame Lab, organized by British Council, UK, with the paper: *“Textile materials catalytic treated with auto cleaning properties”*, 2015
16. **First Prize** at the Regional phase of the scientific contest Fame Lab, organized by British Council, UK, with the paper: *“Renewable Energy- The sustainable and clean future of the mankind”* (source:<http://www.youtube.com/watch?v=zx1QYy1nPvg>), 2013

