

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Vătui Alexandra-Georgiana**

E-mail g.moise@imnr.ro

Nationality Romanian

Gender Female

Professional experience

Period 01/05/2019-present
Occupation or position held Scientific researcher 3rd degree - Engineer;
Name and address of employer National Institute for Research - Development for Nonferrous and Rare Metals (INCDMNR-IMNR); 102 Biruintei Blvd., Pantelimon, ILFOV
Type of activity or sector of activity Research and development institute

Period 01/11/2015-01/05/2019
Occupation or position held Scientific researcher – Engineer;
Name and address of employer National R&D Institute for Nonferrous and Rare Metals (INCDMNR-IMNR); Biruintei Blvd 102, Pantelimon, Ilfov;
Type of activity or sector of activity Research & Development

Period 01/11/2013-31/10/2015
Occupation or position held Assistant scientific researcher – Engineer;
Name and address of employer National Institute for Research - Development for Nonferrous and Rare Metals (INCDMNR-IMNR); 102 Biruintei Blvd., Pantelimon, ILFOV
Type of activity or sector of activity Research and development institute

Period 01/04/2013-31/10/2013
Occupation or position held Materials science technician;
Name and address of employer National Institute for Research - Development for Nonferrous and Rare Metals (INCDMNR-IMNR); 102 Biruintei Blvd., Pantelimon, ILFOV
Type of activity or sector of activity Research and development institute

Education and training

Period 01/10/2015-present;
Qualification / diploma obtained PhD student in Materials Engineering;
Principal subjects Materials Engineering;
Name and type of organization providing education and training University POLITEHNICA of Bucharest, Doctoral School of Materials Science and Engineering;
Splaiul Independentei 313, Bucharest (Romania)

Period 06-09 June 2019
Qualification / diploma obtained Graduation Certificate
Principal subjects Project Manager, COR code 242101,
Name and type of organization providing education and training SC. Soft Skills Training S.R.L., Bucharest, Romania

Period	24.09.2018-29.09.2018
Qualification / diploma obtained	Graduation Certificate
Principal subjects	Expert accessing European structural and Cohesion Funds, COR code 242213,
Name and type of organization providing education and training	S.C ATC & IT SOLUTIONS S.R.L., Bucharest, Romania
Period	01 May-31 May 2018
Qualification / diploma obtained	Training for the early stage researcher (ESR) for 1 month in the field of coatings by physical methods,
Name and type of organization providing education and training	Ångström Laboratory, Uppsala University, Uppsala, Sweden.
Period	06-08/02/2018
Qualification / diploma obtained	Certificate COST Action CA15102
Principal subjects	“Solutions for Critical Raw Materials in extreme conditions: from fundamental science to industrial innovations”- Training School,
Name and type of organization providing education and training	Technical University of Sofia, Sofia, Bulgaria
Period	10/1/2013 → 7/2/2015
Qualification / diploma obtained	Master: Modern methods of environmental protection in metallic materials industry
Principal subjects	Dissertation paper: "Study and research on the degree of danger of some waste from the extractive metallurgical industry-Secondary metallurgy of lead"
Name and type of organization providing education and training	POLITEHNICA University of Bucharest, Faculty of Materials Science and Engineering Splaiul Independentei 313, Bucharest (Romania)
Period	01/10/2013-02/07/2015
Qualification / diploma obtained	Master's degree - Modern techniques of Environmental Protection in Materials Industry;
Principal subjects	Dissertation: "Study and research on the hazard degree of extractive metallurgical wastes- lead secondary metallurgy "
Name and type of organization providing education and training	The chemical bases of pollutants generation; The role of natural capital in sustainable industry; Statistical analysis of ecosystems; Methods to prevent and control pollution; Strategies and policies for sustainable development; Recycling and renewable energy sources; Environmental management information systems. University POLITEHNICA of Bucharest, Materials Science & Engineering Faculty Splaiul Independentei 313, Bucharest (Romania)
Period	01/11/2014 → 13/11/2015
Qualification / diploma obtained	Merit Diploma (April 03-04, 2015); Merit diploma (November 21-22, 2014); POSDRU Project ID 136776-Education and vocational training by improving the quality of the master's programs in environmental engineering;
Name and type of organization providing education and training	Pollution prevention and monitoring of environmental factors; POLITEHNICA University of Bucharest, Faculty of Materials Science and Engineering Splaiul Independentei 313, Bucharest (Romania)
Period	15 to 24 September 2014
Qualification / diploma obtained	Participation Certificate -The 2nd International Summer School;
Principal subjects	Environmental analysis and monitoring techniques, infrastructure, spatial data, 3-D geospatial imaging techniques, "Investigations in New geomatics technologies for geospatial phenomena"
Name and type of organization providing education and training	University of Agronomic Sciences and Veterinary Medicine, Bucharest (Romania).
Period	01/05/2013-30/07/2013
Qualification / diploma obtained	European Credit Transfer and Accumulation System (ECTS) Preparation for Bachelor's degree, Erasmus
Principal subjects	Studied topic:" Aluminum alloys for aerospace and automotive applications castings "
Name and type of organization providing education and training	University Politecnico di TORINO, Corso Duca degli Abruzzi, 24-10129 Torino, ITALY P.IVA / C.F.: 00518460019

Period	15-18 March 2013									
Qualification / diploma obtained	Certificate of training "Experimental Techniques in Materials Science"									
Principal subjects	Research and development information;									
Name and type of organization providing education and training	Methods of obtaining and using advanced materials; The organization, planning and optimization experiments; National Research and Development Institute for Nonferrous and Rare Metals (INCDMNR-IMNR)									
Period	15/09/2005-15/06/2009									
Qualification / diploma obtained	Certified computer operating skills, High School Diploma;									
Principal subjects	Computer - Borland Pascal programming language, Visual FoxPro databases, mathematics;									
Name and type of organization providing education and training	Economic College T. Vladimirescu ,No. 15, Buzau (Romania)									
Mother tongue	Romanian									
Other language(s)										
Self-assessment	Understanding				Speaking				Writing	
<i>European level (*)</i>	Listening		Reading		Spoken interaction		Listening		Reading	
English	C2	Proficient user	C2	Proficient user	B2	Independent user	B2	Independent user	B1	Independent user
French	A2	Basic user	A1	Basic user	A2	Basic user	A2	Basic user	A1	Basic user
	(*) <i>Common European Framework of Reference for Languages</i>									
Social skills and competences	Team spirit; Ability to adapt to multicultural environments, gained through experience developed in European projects; Good communication skills gained through my participation to volunteering;									
Organizational skills and competences	Leadership in projects that relied on teams of 5 members; Sense of organization; Good project and team management.									
Technical skills and competences	Technical skills and competences in computing									
Computer skills and competences	Good command of Microsoft Office™ (Word™, Excel™ and PowerPoint™); Borland Pascal, Visual FoxPro									
Social skills and competences	Team spirit; Ability to adapt to multicultural environments, gained through experience developed in European projects; Good communication skills gained through my participation to volunteering;									
Responsible for the project Participation in projects	1 national project in the Nucleus program as project manager. 23 research projects (10 projects in the Nucleus program, 7 national projects and 6 international projects - 3 H2020 projects, 2 ERAMIN projects, 1 MANUNET project), as a member of the research team.									
Patents for inventions	I was involved in filing two patent applications, accepted by OSIM.									
Publications in scientific journals participating in scientific conferences	38 scientific papers presented at international conferences with the program committee and 8 publications (3 ISI articles). I participated in 5 scientific exhibitions and 11 project workshops.									
Affiliation	Chemical Society of Romania, Geological Society of Romania.									
Awards	4 awards at the student scientific session of the Faculty of Materials Science and Engineering, 2 awards at - Awarding of research results - patents within PNCDI - III - 2015-2020: Program 1 - Development of the national research-development system, Subprogram 1.1. Human Resources, 2017, 2018.									

ANNEX

Scientific (technical) papers published in specialized journals with ISI quotation

1. Alexandra-Georgiana Vătui (Moise), Sorina-Nicoleta Vâlsan, Corneliu Frăţilă, Andreea-Nicoleta Ghiţă, Arcadii Sobeţkii, Daniel-Cristian Mihăiescu, Anca Elena Slobozeanu, Roxana Truşcă - Synthesis and Characterization of Composite Membranes Based on Carbon Functionalized with Gold Nanoparticles- Magazine - MATERIALE PLASTICE, ♦ 56 ♦ No. 2 ♦ 2019- pg 309-314- Impact factor = 1.29.
2. Impact of metallurgical slag LF on acid soil remediation process in agriculture- Anger, I., Volceanov, E., Ploeanu, G., Ilie, L. , Popescu, LG, Moise, GA - Romanian Journal of Materials / Romanian Journal of Materials-Volume 48, Issue 1, 2018, Pages 76-82- Impact factor = 0.56.
3. Stabilization of the metallurgical ladle furnace slags (LF) for application in sustainable agriculture - Popescu, LG, Volceanov, E., Anger, I., Moise, AG, Volceanov, A., Matei, E.- Romanian Journal of Materials -Volume 46, Issue 4, 2016, Pages 405-411, Impact Factor = 0.612

Scientific (technical) papers published in specialized journals without ISI quotation

1. Romanian bentonite and fly ash characterization and their use in heavy metal "in-situ" immobilization in polluted soils- Sândica Liliana Gherghe, Ildiko Anger, Georgiana Moise, Roxana Truşcă- Mineral Engineering Conference, MEC 2017; Wisla; Poland; 20 September 2017 through 23 September 2017; Code 130914- Volume 18, October 4, 2017, Article number 01022- ISSN: 22671242-DOI: 10.1051 / e3sconf / 201712301022;
2. Georgiana Moise, Petre Capota, Lenuta Enache, Eleonora Neagu, Valentin Dragut, Daniel Mihaiescu, Luminiţa Mara, Andreea Chirea, Rodica Zavoianu, Andrei Sârbu - "Material Composition and properties of Red Mud Coming from Domestic Alumina Processing Plant", SIMI Symposium Proceedings, ISSN: 2457-8371 (online), ISSN-L: 1843-5831, DOI 10.21698 / simi.2017.0036, BDI indexed (SCOPUS); Date: (accepted) 08 Aug. 2017; (published) Sep 28, 2017.
3. Teodor Velea, Andreea Mitu, Andreea Grădinaru, Georgiana Moise, Luminita Mara, Cornel Fraţilă, Mihai Ghiţă, Valentin Drăguţ, "Research on methods of treating mine water generated from the exploitation of Rosia Poieni, Romania", Romanian Journal of Mineral Deposits, May 30-31, 2014, Romania, ISSN 1220-5648, (2014), Vol. 87, no.1, pp. 75-78. IGR Ed., 2014, Bucharest, Romania.
4. M. Ulmanu, I. Anger, E. Gament, G. Ploeanu, M. Mihalache, L. Ilie, A. Grădinaru, G.A. Moise, "X-ray fluorescence portable instrument: a fast and low cost alternative for heavy metals determination in soils", Metallurgy and New Materials Researches, 2014, Vol. XXII, Nr. 4, pp. 29-39.
5. T. Velea, D. Morin, V. Predica, L. Gherghe, L. Mara, G. Moise, A. Grădinaru, A. Varna, "Biomining: lead concentrates oxidation", SHECHTMAN INTERNATIONAL SYMPOSIUM, June 29 - 4 July, 2014 Cancun, Mexico, ISBN: 978-1-987820-03-4, ISSN: 2291-1227 (Metals and Materials Processing in a Clean Environment Series).

Patents

1. Title: "Process for obtaining iron oxides with magnetic properties from acid mine waters" - Authors: Velea Teodor, Moise Alexandra-Georgiana, Mara Luminiţa, Grădinaru Andreea, Holder: INCDMNR-IMNR- Nr. Application: a 2015 00481, RO 131633; Date granted: 06/29/2018, BOPI no. 6/2018.
2. Title: "Process for purifying mineral magnesium silicates natural type" - Authors: Velea Teodor, Mara Eleonora-Luminita, Preaching Vasile, Sârbu Andrei, Gheorghişă Maria, Gherghe Sandica- Liliana, Bădiliţa Viorel, Drăguţ Valentin, Stoiciu Florentin, Ghiţă Mihai, Grădinaru Ioana Andreea, Mitu Andreea, Moise Alexandra-Georgiana, Enache Lenuţa, Radu Aniţa-Laura, Zaharia Anamaria, Owner: INCDMNR-IMNR- Nr. Application: a 2013 00762, RO 130172; Date of award: 29/07/2016, BOPI no. 7/2016.

Scientific papers presented at international conferences with the program committee

1. **A.G. Vătui (Moise)**, S.N. Vâlsan, C. Frăţilă, M. Ghiţă, D.C. Mihăiescu, C. Predescu - Synthesis and characterisation of composites membranes based on carbon nanotubes or graphene oxide with silver nanoparticles- 11th International Conference on Materials Science and Engineering – BraMat 2019, March 13 - 16, 2019 Braşov – ROMANIA,

2. M. Ghita, **A.G. Vătui**, S.N. Valsan, D.C. Mihaiescu, A.N. Ghita, A. Butu, S. Rodino -Copper-mining tailings from Sasca Montana: mineralogical context; bioprocessing; critical metals assessment- 11 th International Conference on Materials Science and Engineering – BraMat 2019 March 13 - 16, 2019, Braşov – ROMANIA.
3. **Alexandra-Georgiana VĂTUI**, Sorina Nicoleta VĂLSAN, Corneliu FRĂŢILĂ , Arcadii SOBETKII, Cristina Florentina CIOBOTA- Prezentare orală- Filtering Membranes Functionalized With Noble Metals By Thermal Evaporation-1st International Conference On Emerging Technologies In Materials Engineering EmergeMAT- 4th International Workshop On Materials Under Extreme Conditions SUPERMAT- 14th- 16th November, 2018, Bucharest, ROMANIA
4. **G. Moise - Vătui**, C. Frăţilă, A. Slobozeanu, S. Vălsan, C. F. Ciobota, Poster-Functionalization of carbon based materials for applications in filtering membranes- Centrul pentru Ştiinţa Suprafeţei şi Nanotehnologie – Universitatea Politehnică Bucureşti (CSSNT-UPB) organizează Bucharest COST Action Fall Meeting cu tema „Multi-Functional Nano-Carbon Composite Materials (MultiComp)”-6-7 September 2018, Bucharest Polytechnic University library.
5. Mihai Ghiţă, Florentin Stoiciu, Viorel Bădiliţă, **Alexandra Georgiana Vătui**, Nicolae Tomuş, Lenuţa Jana Enache- Advanced research on Ni-Cu mineralization in the Vălsan Valley to highlight PGE content – National scientific symposium with international participation, October 27, 2018, Iasi.
6. **Alexandra- Georgiana Vătui**, Ioana Andreea Chirea, Mihai Ghiţă, Daniel Cristian Mihăiescu , Ana Eleonora Neagu – Advanced wastewater treatment using nanomagnetites to remove heavy metal ions- National scientific symposium with international participation, October 27, 2018, Iasi
7. Daniel-Cristian Mihaiescu*, Luminita Mara, **Georgiana-Alexandra Moise**, Andreea Chirea (Gradinaru), Eleonora Neagu, Viorel Badilita, Dragut Valentin, Ghita Mihai, Stoiciu Florentin - *“Eco-efficient and sustainable revitalization of abandoned land contaminated with heavy metals with the sustainable economic capitalization of non-energy resources. Characterization of natural zeolites before and after the adsorption process of Cu and Pb ”*, “International Symposium “Chemistry priorities for sustainable development”, PRIOCHEM –Editia 13, 2017”, October 25-27, 2017, Bucharest, Romania,
8. **G. Moise***, A. Chirea, V. Predica, L. Mara, D. Mihaiescu, M. Ghita, V. Dragut- Experimental research for iron recovery from industrial wastes and mine waters- The International Symposium PRIORITIES OF CHEMISTRY FOR A SUSTAINABLE DEVELOPMENT- PRIOCHEM XIIIth Edition ROMANIA – Bucharest, October 25 - 27, 2017.
9. Andreea Chirea, Teodor Velea, Liliana Gherghe, Vasile Predica, **Georgiana Moise**, Eleonora Neagu, Victoria Purcaru “A bench study on chromium removal from solutions resulting from chromium wastes leaching”, 20th INTERNATIONAL SYMPOSIUM “THE ENVIRONMENT AND THE INDUSTRY”, SIMI 28-29 September 2017, Bucharest, Romania.
10. Andreea Chirea, Teodor Velea, Vasile Predica, **Georgiana Moise**, Viorel Badilita, Valentin Dragut , Mihai Ghita, Ana-Maria Mocioiu “Leaching of chromium from wastes resulting from the potassium bichromate obtaining process”, 20th INTERNATIONAL SYMPOSIUM “THE ENVIRONMENT AND THE INDUSTRY”, SIMI 28-29 September 2017, Bucharest, Romania.
11. Sandica Liliana Gherghe, Ildiko Anger **Georgiana Moise**, Andreea Chirea, Roxana Trusca, Madalina Popescu, Eleonora Neagu, Petre Capota, “Adsorbtion behaviour of Cd(II) and Zn(II) onto natural bentonite for polluted soil remediation” 20th INTERNATIONAL SYMPOSIUM “THE ENVIRONMENT AND THE INDUSTRY”, SIMI 28-29 September 2017, Bucuresti, Romania.
12. **Georgiana Moise**, Petre Capota, Lenuta Enache, Eleonora Neagu, Valentin Dragut, Daniel Mihaiescu, Luminita Mara, Andreea Chirea, Rodica Zavoianu, Andrei Sarbu “Material composition and properties of red mud coming from domestic alumina processing plant”, 20th INTERNATIONAL SYMPOSIUM “THE ENVIRONMENT AND THE INDUSTRY”, SIMI 28-29 September 2017, Bucuresti, Romania.
13. Ildiko Anger, Eniko Volceanov, Georgiana Ploeanu, Leonard Ilie, Lavinia Gabriela Popescu, **Georgiana Alexandra Moise**- Impact of Using Ladle Slag for Acid Soil Remediation in Agriculture- 20th Romanian International Conference on Chemistry and Chemical Engineering- 6 – 9 September 2017, Poiana Brasov, Romania.
14. T. Velea, I.A. Chirea, **A.G. Moise**, V. Badilita, M. Ghita, O. C. Ciobotea-Barbu, D. Bîrgăoanu, “Characterization of oxidized pyrite in alkaline media at moderate temperatures and pressures”, Conference of the Romanian Electron Microscopy Society - C.R.E.M.S, 16-18 may, 2017, Sinaia, Romania.

15. Roxana Trusca, Bogdan Vasile, Vasile-Adrian Surdu, **Georgiana Moise**, Cornel Fratila- „3D macroscopic graphene films. Wet obtaining and assessment of the surface architecture”- Conference of the Romanian Electron Microscopy Society - C.R.E.M.S, 16-18 may, 2017, Sinaia, Romania.
16. I. Anger, **G. Moise**, A. Chirea, R. Trusca, M. Popescu, V. Dragut- Heavy metal immobilization (Cd, Zn) on natural bentonite. SEM and EDAX studies- Conference of the Romanian Electron Microscopy Society - C.R.E.M.S, 16-18 may, 2017, Sinaia, Romania.
17. **Georgiana Moise**, Roxana Trusca, Bogdan Vasile, Vasile- Adrian Surdu , Cornel Fratila-3D macroscopic graphene filter membranes with potential applications in water purification-20th INTERNATIONAL SYMPOSIUM “THE ENVIRONMENT AND THE INDUSTRY”, SIMI 28-29 September 2017, Bucuresti, Romania.
18. **A.G. Moise**, T. Velea, C. Predescu, L. Mara, A. Chirea, V. Predica, L. Gherghe, C. Rusti, V. Dragut - “Technological Process of Iron Recovery from Mining and Metallurgical Industry Effluents”- “The 6th International Conference on Materials Science and Technologies – RoMat 2016”, 9-12 November, 2016, Bucharest, Romania.
19. A. Chirea, T. Velea, C. Predescu, I. Calinescu, L. Mara, V. Predica, **G. Moise**, L. Gherghe, M. Ghita, V. Dragut - “Microwave-Assisted Leaching of Chalcopyrite Concentrate in Ferric Sulphate Media”- “The 6th International Conference on Materials Science and Technologies – RoMat 2016”, 9-12 November 2016, Bucharest, Romania,
20. **Alexandra-Georgiana Moise**, Teodor Velea, Luminița Mara, Ioana Andreea Chirea, Vasile Predica, Daniel-Cristian Mihăiescu, Valentin Draguț, Mihai Ghiță - “Complex Characteristics Evaluation of Different Types of Wastes Containing Iron Regarding the Environment Impact of Their Storage”-The 19th edition of International Symposium “Environment and Industry”, 13-14 October 2016, Bucharest, Romania.
21. Andreea Ioana Chirea, Teodor Velea, Eleonora Luminița Mara, **Alexandra Georgiana Moise**, Vasile Predica, Dumitru Valentin Drăguț, Mihai Ghiță, Ana Maria Mocioiu- “Research on Complex Characterization of Hazardous Chemical Wastes Containing Chromium”-The 19th edition of International Symposium “Environment and Industry”, 13-14 October 2016, Bucharest, Romania,
22. Lavinia Gabriela Popescu, Eniko Volceanov, Ecaterina Matei, Ildiko Anger, **Alexandra-Georgiana Moise**- “Aspecte de mediu la stabilizarea zgurilor metalurgice (LF) utilizate în agricultura sustenabilă / Environmental aspects of the use of stabilized metallurgical ladle furnace (LS) slags in sustainable agriculture”, “12th Conference on the science and engineering of oxide materials – CONSILOX 12”, 16-20 September 2016, Sinaia, Romania,
23. T. Velea, **G. Moise**, A. Grădinaru, L. Mara, Fiz. V. Badilita, V. Fruth, C. Munteanu,” Comparison between different adsorbent materials used for copper (II) removal from aqueous solutions”- 11th Edition of International Symposium "Priorities of Chemistry for a Sustainable Development" PRIOCHEM, Bucharest, ROMANIA, 29-30 Oct. 2015- ISBN-2345-3645;
24. Mara Luminita, **Moise Georgiana**, Gradinaru Andreea, Gherghe Liliana, Mihaiescu Daniel, Capota Petre, Purcaru Victoria,” Investigation of rare Earth metals leaching process for Neodymium recovery from scrap Nd-Fe-B Magnets”- 11th Edition of International Symposium "Priorities of Chemistry for a Sustainable Development" PRIOCHEM, Bucharest, ROMANIA, 29-30 Oct. 2015- ISBN-2345-3645,
25. Mara Eleonora Luminita, Velea Teodor, **Moise Georgiana**, Gradinaru Andreea, Sarbu Andrei, Mihaiescu Daniel, Capota Petre, Dragut Valentin, Stoiciu Florin, Radu Laura Anita, Fruth Victor, Munteanu Cornel, ”Influence of the electromagnetic irradiation pre-treatment on the separation process in wet medium of the mesoporous silica with low iron content from serpentinite minerals”- 11th Edition of International Symposium "Priorities of Chemistry for a Sustainable Development" PRIOCHEM, Bucharest, ROMANIA, 29-30 Oct. 2015- ISBN-2345-3645;
26. I. Anger, T. Velea, L. Mara, **G.A. Moise**, B. Andrei, V. Fruth-Oprisan, C. Munteanu, E. Neagu, V. Bădiliță, F. Stoiciu- “Removal Of Heavy Metals From Aqueous Solutions Using Fly Ash Govora.1. Zinc” - “The 19th Romanian International Conference on Chemistry and Chemical Engineering”, 2 to 5 September 2015, Sibiu, Romania;
27. Luminița Mara, Teodor Velea, **Georgiana-Alexandra Moise**, Daniel-Cristian Mihăiescu, Andrei Sârbu, Anita-Laura Radu, Lenuța Enache, Petre Capotă, Viorel Bădiliță, Valentin Draguț, Victor- Oprışan Fruth, Cornel Munteanu, Liliana Sarbu- ”Intensifying the recovery of useful elements (Si, Mg, Fe) from serpentinite wastes by the use of synergic influence of microwave irradiation fields and advanced grinding material effects” -“The 19th

Romanian International Conference on Chemistry and Chemical Engineering”, 2 to 5 September 2015, Sibiu, Romania;

28.T. Velea, **G. Moise**, A. Grădinaru, A. Mitu, V. Badilita, V. Fruth, C. Munteanu, „Production, characterization and application of nanosized iron oxide in metallurgical and mining industry”, International Symposium "Chemistry for Sustainable Development Priorities”, PRIOCHEM Xth, 30 to 31 October 2014, Bucharest, Romania;

29.T. Velea, A. Mitu, **G. Moise**, A. Grădinaru, A. Sârbu, T. Sandu, V. Fruth, M. Bărbulescu, „New possibilities for use of the cross-linked polymers”, International Symposium "Chemistry for Sustainable Development Priorities”, PRIOCHEM Xth, 30 to 31 October 2014, Bucharest;

30.T. Velea, A. Grădinaru, A. Mitu, **G. Moise**, V. Fruth, C. Munteanu, D. Culita, M. Barbulescu, „Removal of copper (II) from aqueous solutions with different types of biochar produced from biomass”, Symposium International "Chemistry for Sustainable Development Priorities”, PRIOCHEM Xth, 30 to 31 October 2014, Bucharest;

31.T. Velea, D. Morin, V. Predica, L. Gherghe, L. Mara, **G. Moise**, A. Grădinaru, A. Varna, „Biomining: lead concentrates oxidation”, SHECHTMAN INTERNATIONAL SYMPOSIUM, 29 June-4 July, 2014 Cancun, Mexico;

32.F. Stoiciu, Ildiko Anger, **Georgiana Moise**, Eugenia Gament, Mariana Marinescu, M. Mihalache, L. Ilie, Lavinia Popescu, Eniko Volceanov, Fl. Zaman-, „A new possibility for use of steel (LF) slag”- VI International Congress of Metallurgists of Macedonia, “Metallurgy, materials and environment”- 29 May - 01 June 2014, Ohrid, Macedonia, 29.05-01.06 2014, Public at in Book of Extended Abstracts, ISBN 978-9989-9571-6-1;

33.Andreea Mitu, Luminita Mara, Andrei Sarbu, Anita Laura Radu, **Georgiana Moise**, Enache Lenuta, Viorel Badilita, Valentin Dragut, Florin Stoiciu, Mihai Ghita, Victoria Soare-, „Research regarding synthesis and physical and chemical characterization aspects on mesoporous silica materials obtained from a waste natural serpentinite rocks”- VI International Congress of Metallurgists of Macedonia, “Metallurgy, materials and environment”- 29 May - 01 June 2014, Ohrid, Macedonia;

34.Teodor Velea, Andreea Mitu, Andreea Grădinaru, **Georgiana Moise**, Luminita Mara, Cornel Frațiță, Mihai Ghiță, Valentin Drăguț, „Research on methods of treating mine water generated from exploitation of Roșia Poieni, Romania”, Ninth International Symposium of Geology Economic "Odyssey mineral resources", 30 to 31 May 2014, Bucharest, Romania;

35.**Alexandra Georgiana Moise**, Ecaterina Matei, Andreea Mitu, Ioana Andreea Gradinaru Luminita Mara, „Synthesis of magnetite nanoparticles used for selective heavy metals removal from industrial wastewater”, The International Symposium- SIMI 2013 “The Environment and the Industry”, 28th-30th oct. 2013, Bucharest, p.24

36.Ioana Andreea Gradinaru, Ecaterina Matei, Andreea Mitu, **Alexandra Georgiana Moise**, Vasile Predica, Luminița Eleonora Mara, „Wastewater purification containing metal ions and organic compounds using activated carbon”, The International Symposium- SIMI 2013 “The Environment and the Industry”, 28th-30th Oct. 2013, Bucharest, p.24

37.Gheorghită Maria, Predica Vasile, Mara Eleonora Luminita, **Moise Georgiana**, Gradinaru Andreea, Mitu Andreea, Neagu Eleonora, Purcaru Victoria, „Advanced methods of heavy metal purification and recovery from mine waters”, International Symposium "Priorities of Chemistry for a Sustainable Development" PRIOCHEM, edition a-IX-a, 24-25 October 2013, Bucharest –ROMANIA, ISBN-2345-3645.

38.Andreea Mitu, **Alexandra Georgiana Moise**, Ioana Andreea Grădinaru, „Innovative Ideas for Process Implementation in Sites Remediation”, 5 th Edition, oct. 23-25, 2013, Sinaia, Romania.

Research contracts completed as project manager

1. Contract no.: 12N / 2016- PN 16 20 01 01- New technological concept regarding the obtaining and capitalization of iron in the form of magnetic oxides or in the form of ultrapure iron by electrolysis of process wastewater and impure industrial waste, Period: 03 / 2016-11 / 2017. (Experimental model for obtaining magnetic iron oxides in the microwave field. Experimental model for obtaining ultra-pure iron through electrochemical processes).

National and international research contracts and grants made as a collaborator in the working team

1. Project title - "Increasing the performances and competences of INCDMNR-IMNR in the field of emerging technologies in non-ferrous metal materials engineering" - no. 1PFE / 16.10.2018-financing program- Program Development of the national research-development system, Subprogram 1.2-Institutional performance, implementation period-16.10 / 2018-30 / 11/2020.
2. Project title- 'Near-zero-waste recycling of low-grade sulphidic mining waste for critical-metal, mineral and construction raw-material production in a circular economy - NEMO'-NUMBER - 776846 - NEMO-financing program- H2020 Environment & Resources.- implementation period-01/05 / 2018-30 / 04/2022.
3. Project title - Integrated eco-technology for selective recovery of basic and precious metals from Cu and Pb mining waste - MINTECO- Contract 51/2018: European and International Cooperation - Subprogram 3.2 Horizon 2020 - ERANET- ERAMIN- implementation period - 05.2018-04.2021.
4. Project title - "Identification of functional microbial communities and evaluation of mineralization potential (biosolubilization) for high-tech critical metals (BIOCriticalMetals)", implemented through ERA-MIN Program (Horizon 2020), contract no. 16 / 2016- implementation period - 2016- 04.2019.
5. Project title- Integrated innovative metallurgical system to benefit efficiently polymetallic, complex and low grade ores and concentrates.-INTMET ”-No. 689515/2015, financing program- H2020 Environment & Resources- implementation period-01/02 / 2016-31 / 01/2019.
6. Project title - Development of a non-invasive breath test for early diagnosis of tropical diseases - TROPSENSE, No. 645758 - H2020 funding program - MSCA-RISE-2014 - Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE) - period of implementation-01/02 / 2016-31 / 01/2019.
7. Project title - National register of secondary reserves of raw materials of economic importance resulting from mining residues - Nr. 9PS / 2017- financing program - Sectorial program of the Ministry of Research and Innovation - Implementation period: 11/2017 - 12/2018.
8. Project title - "Innovative technological solutions for the functionalization of carbon-based materials with low environmental impact" - Contract no. : 23N / 2018- financing program- Program: NUCLEU - PN 18 07 03 01. Implementation period: 03– 12/2018.
9. Project title - "Defining strategic directions for relaunching research in the field of exploitation and capitalization of non-energy primary and secondary mineral resources, contract 11S / 2015 - financing program - Sectorial program of the Ministry of Research and Innovation - Implementation period: 10/2015 - 12 / 2016.
10. Project title - "Improvement of acid soils using a waste from the metallurgical industry - AMELSOL" - No. contract: 122 / 2012- Project PN-II-PT-PCCA-2011-3.2-0807- Implementation period: 26.07.2012 - 31.10.2016
11. Project title - Waste water treatment by flocculation-oxidation processes mediated by flocculants and catalysts derived from red sludge / WATOPREM - No. contract: 78 / 01.07.2014, PN-II-PCCA-2013-4-0177- Implementation period: 2014-2017.
12. Project title - New procedures for obtaining SiC and Si₃N₄ via polymeric nanocomposites and their use for ceramic-structural - NASIPONAC - Nr. 7074/2013, financing program - FP7 ERA-NET MANUNET, - Implementation period: 2013-2015.
13. Project title: PN 16 20 01 02 - Minimizing the risk of environmental pollution with toxic and dangerous metallic compounds present in the industrial waste of closed chemical plants: elimination and recovery of chromium.
14. Project title: PN 16 20 01 03 - "New technological concept regarding the eco-efficient and sustainable revitalization of abandoned industrial lands by immobilizing the compounds containing toxic metals";
15. Project title: PN 16 20 03 03- „Macroscopic 3D graphene films. Wet obtaining and evaluation of the surface architecture ”;
16. Project title: Documentary research study on copper recovery technologies from acid mine waters, 3 / 04.02.2015- SC IPROMIN SA;
17. Project title: Recovery of copper from acid waters from Roşia Poieni with ion-exchange resins and electrolysis in the form of electrolytic copper. Technological process, 22 / 22.05.2015 - SC IPROMIN SA;

18. Project title: PN 09 24 01 08- Advanced processes for the purification of mine waters in the non-ferrous and rare metals mining industry;
19. Project title: PN 09 24 01 09- Unconventional procedures for intensifying processes in the mining and metallurgical industry of non-ferrous and rare metals; application of microwave field treatment procedures;
20. Project title: PN 09 24 01 11 - Unconventional procedures for purification of wastewater containing non-ferrous metals from the mining and metallurgy industry;
21. Project title: PN 09 24 01 12 - New ecological technologies to reduce the pollution degree of contaminated sites from non-ferrous metallurgy, by using eco-efficiency of primary and secondary mineral wastes;
22. Project title: PN 24N / 2005 / Ad.3 / 2014 - Biocompatible and osteoconductive thin layers based on ZrO_2 doped with TiO_2 for dental implantology;
23. Project title: PN 09 24 01 14 - Recovery of critical metals from used (neodymium) magnets;

International fairs and exhibitions

1. The Romanian Research Hall 2017, Bucharest, Romania, 26 - 27 October 2017;
2. National Stock Exchange of Romanian Inventions Bucharest, Romania, June 20, 2017;
3. Bucharest International Technical Fair, Romanian Research Hall, Romexpo 2016, October 14-17, 2016, "NUCLEU" Program: guaranteeing the rapid growth of young researchers competitiveness ";
4. Bucharest International Fair, Research Exhibition, Romexpo, 14-17 Oct. 2015
5. Bucharest International Technical Fair, Romanian Research Hall, Romexpo 2014, 15-18 October 2014.

Workshop

1. SUPERMAT Workshop- "National register of secondary reserves of raw materials of economic importance resulting from mining residues", and "Identification of functional microbial communities and evaluation of mineralization potential (biosolubilization) for high-tech critical metals (BIOCriticalMetals)", 14- November 16, 2018, Bucharest, ROMANIA;
2. Workshop "Innovative industry and KET integration": starting with the "New processes in metallic materials engineering" section, and continuing with the "Materials under extreme conditions" section! - November 14-16, 2018, Bucharest, ROMANIA;
3. SUPERMAT Workshop "Smart specialization and advanced materials for extreme conditions", Ibis Parliament Hotel, Eminescu Conference Room, Bucharest, November 20-22, 2017;
4. "Capitalization of primary and secondary resources of non-ferrous and rare metals in high technology applications", Strategic directions and priority objectives for research, development and innovation in the field of mineral resources containing non-ferrous metals, ROMEXPO, Bucharest, October 14, 2016;
5. Workshop "Obtaining mesoporous silica with reduced iron content from waste serpentinite ore. Recovery / recovery of other predominant metal elements "within the project" New approached for SiC and Si_3N_4 obtaining via polymer nanocomposites ad their use for structural ceramics ", Bucharest, Romania, October 15, 2015;
6. L. Mara, G. Moise, A. Gradinaru, A. Mitu, Participation in the tenth edition of the International Symposium "Priorities of Chemistry for a Sustainable Development", PRIOCHEM, WORKSHOP "Innovative Bio-Economy", October 31, 2014.
7. L. Mara, G. Moise, A. Gradinaru, A. Mitu, Participation in the tenth edition of the International Symposium "Priorities of Chemistry for a Sustainable Development", PRIOCHEM, WORKSHOP "Agro-bio-economy- A Romanian approach ", 31 Oct. 2014.
8. L. Mara, G. Moise, A. Gradinaru, A. Mitu, Participation in the tenth edition of the International Symposium "Priorities of Chemistry for a Sustainable Development", PRIOCHEM, WORKSHOP "Ecological products based on diatomaceous earth and essential oils for the residues and contaminants reduction from food chain ", 31 Oct. 2014.
9. L. Mara, G. Moise, A. Gradinaru, A. Mitu, Participation in the tenth edition of the International Symposium "Priorities of Chemistry for a Sustainable Development", PRIOCHEM, WORKSHOP "Biodegradable thermal insulating composite materials for buildings and industrial equipment ", 31 Oct. 2014.

10. L. Mara, G. Moise, A. Gradinaru, A. Mitu, Participation in the tenth edition of the International Symposium "Priorities of Chemistry for a Sustainable Development", PRIOCHEM, WORKSHOP "Multifunctional and innovative products for self and bioenhanced functional food from newly cultivated plants in Romania ", 31 Oct. 2014.
11. Workshop: "Challenges in the obtaining of new ceramic powders starting from inorganic-organic nanocomposites", "Obtaining mesoporous silica with reduced iron content". Bucharest, Romania 10-11 Oct. 2013.