



Curriculum vitae Europass



Personal data

Name / Surname **ŞERBAN Beatrice Adriana**
 Address Pantelimon, Ilfov, Romania
 Phone / Fax +(4021)3522046 / +(4021)3522048
 E-mail beatrice.carlan@imnr.ro
 Birth date 27/10/1990

Professional experience

Period **October 2020 – present**
 Occupied position Scientific Researcher
 Period **October 2017 – October 2020**
 Occupied position Scientific Researcher Assistant
 Main activities and responsibilities Research of advanced materials and technologies; Participation on national and international research projects.
 Name and address of the employer National Research and Development Institute for Non – Ferrous and Rare Metals, Pantelimon
 Activity area Research and Development in non – ferrous and rare metals
 Period **November 2014 – March 2015**
 Occupied position Environmental Consultant
 Main activities and responsibilities Consultancy in environmental legislation
 Name and address of the employer AUDITECO GES, Bucharest, Romania

Education

Period **2016 - 2017**
 Obtained competence/diploma Advanced English Course

Period **2015 - 2020**
 Institution University Politehnica of Bucharest – Faculty of Materials Science and Engineering
 Obtained diploma PhD in Materials Science

Period **2014**
 Mountain & Mire”, Abisko, Sweden – international seminar to prepare research projects proposals

Period **2013 - 2015**
 Obtained competence / diploma Master Degree in Environmental Protection
 Institution University Politehnica of Bucharest – Faculty of Materials Science and Engineering
 Principal subjects Modern Environmental Protection Procedures In Metallic Materials Industry
 Name and type of organisation University Politehnica of Bucharest – Faculty of Materials Science and Engineering

Period **2015**
 Occupation Environmental Auditor
 Professional skills obtained Organizing and planifying environmental audit; preliminary analysis of documentation.
 Employer AUDITECO GES

Period **2009 - 2013**
 Obtained diploma Engineer
 Studied disciplines Materials Science
 Institution University Politehnica of Bucharest – Faculty of Materials Science and Engineering

Member in professional associations **National Society of Environmental Science and Engineering**

Foreign languages

European level ()*

Understanding		Speaking		Writing
Listening	Reading	Conversation	Spoken interaction	

English	C2	C2	C2	C2	C2
French	B2	B2	B2	B2	B2
Spanish	B2	B2	B2	A2	A2

Social skills Adaptability and fast integration in a new team; sociable; efficient; positive thinking; team spirit; I have the experience of teamwork during the faculty, due to the active participation in practical and research projects.

Organizing skills Good organizer; initiative spirit; analytical capacity; synthesis capacity; assessment and remediation skills; punctuality.

Technical skills Organizing spirit; analysis and synthesis capacity; assume the responsibility; seriousness; material analysis; use of laboratory equipment (oximeter for water analysis, pH meter, diffusimeter, radioactivity determinant); developing mathematical and physical models; samples assaying regarding the quality of soil and water; editing scientific articles and publications.

Computer skills and competences Competent with Microsoft Office, Autocad, Mathcad, Origin Pro 70, Dev Pascal, Pascal C++, MatCalc.

Additional information B license driving

Publications

- Coauthor of a book chapter;
- Coauthor of 17 ISI articles;
- Coauthor of 9 BDI articles;
- Coauthor of one 'Junior Euromat' article.

Presentations

- Presentation of 21 papers on national and international conferences;
- Presentation of 2 papers on international seminars;
- Presentation of 9 studies on student scientific sessions.

Projects (selection):

INTERNATIONAL PROJECTS:

Program/Project	Function	Period
M-Era.Net NR. 75/2017 „ High entropy alloys with predictable mechanical properties obtained by computer modelling - HEAMODELL”	Researcher	2017-2020
POC-A1-A1.2.3-G-2015, ID P_40_397, NR. 17/01.09.2016, „Promotion of eco-efficient unconventional technologies for useful metals recuperation from industrial wastes by creating partnerships for acknowledgements transfer with economic agents - TRANSECOTEH”	Researcher	2016-2020
COFUND-ERANET-ERAMIN – 51/2018 “Integrated eco-technology for a selective recovery of base and precious metals in Cu and Pb mining by-products – MINTECO”	Researcher	2018 - 2021

NATIONAL PROJECTS:

Program/Project	Funcția	Perioada
PN III 134 PED/2017 “New high entropy alloys with superior characteristics for medical applications”	Researcher	2017-2018
PN-III-P1-1.2-PCCDI-2017, No. 20 PCCDI/2018, “Systems for individual and collective protection for military domain, based on high entropy alloys” (HEAPROTECT)	Researcher	2018-2021
PN-III-P2-2.1-PED-2016-1729 BIOHEA, Contract 134 PED/2015, “New high entropy alloys with superior characteristics for medical applications”	Researcher	2017-2018