Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	Eleonora Ana NEAGU
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E-mail	nneagu@imnr.ro
Nationality	Romanian
Date of birth	December 01 1951
Gender	female

Work experience

Dates	01.09.1979 - 2011
Occupation or position held	Senior researcher, grade 2,
Main activities and responsibilities	Material analyses using : FAAS, HGAAS;GFAAS; polarographic; potentiometric; electrogravimetric; pH.
Name and address of employer	National R&D Institute for Nonferrous and Rare Metals INCDMNR-IMNR Biruinţei 102 blvd, Pantelimon, Ilfov, Romania
Type of business or sector	Chemical Analysis, Research and development in nonferrous and rare metals, nanobiomateriale.
Dates	01.09.1975 – 31.08.1979
Occupation or position held	Professor of chemistry, physics, material research
Main activities and responsibilities	teach
Name and address of employer	High school of mechanical
Type of business or sector	Education

Education and training

Dates	1970 - 1975
Title of qualification awarded	Degree in chemistry, analytical chemistry expertise
Principal subjects/occupational skills covered	chemistry, analytical chemistry
Name and type of organisation providing education and training	Polytechnic Institute “Gh. Asachi” – Iaşi, Faculty of Chemistry

Personal skills and competences

Mother tongue(s)	Specify mother tongue : Romanian
Other language(s)	

Self-assessment	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
English	B2	Independent user	B2	Independent user	A2	Basic user	A2	Basic user	A2	Basic user
French	B2	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	B1	Independent user

(*) Common European Framework of Reference for Languages

Social skills and competences

Team work
Communication skills
Responsibility
Operating certificate in education as a teacher

Organisational skills and competences

Participation in several national and international scientific programmes
Organised person

Technical skills and competences

Material analyses using : FAAS, HGAAS;GFAAS; polarographic; potentiometric; electrogravimetric; pH.

Computer skills and competences

Operating computer (Word, Excel, …)
Competent with most Microsoft Office programs

Additional information

Annexes

1. List of publications (selection)
2. List of national and international projects

ANNEX 1

LIST OF PUBLICATIONS (SELECTION)

1. Retention of nitroso R - jump on anionic resins to the preconcentration and separation application of metal ions. (Proceedings of the V th Polish Conference on Analytical Chemistry, Gdansk September 1 to 8. 1995, Vol I, Poland, Revue Roumaine of Chemistry, Vol 43, March, 1998, pp. 193 -196
2. Sorbents modified with retention Galion for Al III, Ga III and In III. (Proceedings of the V th Polish Conference on Analytical Chemistry, Gdansk September 1 to 8. 1995, Vol III, Poland) (Revue Roumaine of Chemistry, Vol 42, March, 1998. Pp. 199 -203).
3. Study of Toxic Elements Removal from Romanian Wines
This paper was presented at poster session at Euroanalysis 10, September, 6-11, 1998, Basel, Switzerland.
4. Study of Toxic Elements Removal from Romanian Wines II
5. Comparative study of spectrometric methods have determination.
The paper is published in Annals of Science of the University Al. I. Cuza Iasi 1999
6. Pd and Ag determination by FAAS of resistive paste
This paper was presented at the Sixth National Conference of Metallurgy ICEM - 1999
7. A comparative study of gold by Spectrometric Methods Determination
Ana Eleonora Neagu (IMNR / Bucharest Published in Annals of Science of the University Al. I. Cuza Iasi 2000 vol 3..
8. Analytical application of inorganic complexing reagents in silver Some separation from lead by cation excange Chromatography
This paper was presented at The XV-th National Conference on Analytical Chemistry, 23 to 25 September. 2000 .25 Brasov. Use of different inorganic complexants as eluents for cation-separation of silver from lead excange.
Work published in "Annals of Bucharest University", No.9, 2002, pp. 171-178
9. Use of different inorganic complexants as eluents for cation-separation of silver from lead excange. Paper published in "Annals of Bucharest University", No.9, 2002, pp. 171-178;
Badilita Viorel1, Mara Luminita1, Enache Lenuta1, Neagu Eleonora1, Bacalum Fanica2, Liliana Sarbu 2, Andrei Sarbu2, Dorin2 Bomb (1) National Research Institute for Nonferrous and Rare Metals Development, (2) National Institute of Research and Development Chemical and Petrochemical - Considerations on obtaining ceramic structures based on indigenous natural zeolites clinoptilolite type enabled - practical applications / Considerations on Obtaining Ceramic Structures Based on Natural Clinoptilolite Zeolites Indigenous Activated - Practical Applications, Proceeding ISBN 973-718-534-X, 978-973-718-534-1. I
10. Investigation of Soil Pollution with heavy metals around Brăneşti, Romania, Industrial Area, Ildigo Anger, Mihaela Ulmanu, Eszter Moreh, Eleonora Neagu, 4th International Conf of Balkan Environmental Association on Transboundary Pollution, 18 to 21 October. 2002, Edirne, Turkey.
11. Soil Pollution with heavy metals in vecinity of battery - Nonferrous Plants. I. Exploatary work., Mihaela Ulmanu,

Thodora Mats, Ildiko Anger, Eleonora Neagu, Eugenia Gament, Mihail Dumitru, XVII National Conference of Soil Science, 25-30 August, 2003, Timisoara, Romania 2003.
Badila Viorel1, Stoiciu Florentin1, Mara Luminita1, Enache Lenuta1, Neagu Eleonora1, Soare Victoria1, Sarbu Andrei 2, (1) National Research Institute for Nonferrous and Rare Metals Development, (2) National Research and Development Institute for Chemistry and Petrochemistry - Research on determining optimal processing technology serpentinitului of dumps from Dubova (Mehedinti) in order to rehabilitate the area. Part A: structural features, physical and chemical characteristics of serpentine rock dumps from Dubova (Mehedinti) / Study To Establish The Optimal Processing Technology For The Serpentine From Dubova (Mehedinti) The Aim Of Mine Dumps In Reabilty Environment. Part A: Structure, Physical and Chemical Properties of Rocks From The Serpentine Dubova (Mehedinti) Mine Dumps, Proceeding ISBN 973-718-534-X, 978-973-718-534-1. I
Mara Luminita1, Badilita Viorel1, Enache Lenuta1, Neagu Eleonora1, Soare Victoria1, Sarbu Andrei 2, Liliana Sarbu 2, Victor Fruth3, Bacalum Fanica2 Mariana Beda2, (1) National Research Institute for Nonferrous and Rare Metals Development, (2) National Research Institute for Chemical and Petrochemical Development, (3) Institute of Physical Chemistry, Romanian Academy "Elijah Murgulescu" - Research on determining optimal technology processing dumps the coil of Dubova (Mehedinti) in order to rehabilitate the area. Part B: Aspects of processing capabilities to capitalize serpentine rocks of the upper area dumps and rehabilitation Dubova (Mehedinti) /
12.Study to Establish The Optimal Technology for Processing The Serpentine from Dubova (Mehedinti) Mine Dumps in The Environment Reabilty Aim ff. Part B: Aspects Regarding The Processing Possibility of The Serpentine Rocks With The Aim of A High Degree of The Serpentine Rock Dumps Valorification and The Reabilitation of The Dubova Region (Mehedinti), Proceeding ISBN 973-718-534-X, 978-973 - 718-534-1. I
13. Obtaining a mixture hydroxyapatite - tricalcium phosphate composites for achieving metal-ceramic implant - C. Frăţilă, V. Badilita, I. Roman, A. Ioncea, Eleonora Neagu - Journal of Chemistry, 58, No. 8 / 2007. Pag. 720-724.
14. Fluid inclusions from mineral, Vasile V. Pomârleanu, Eleonora Ana Neagu, Romanian Journal of MINERALOGY 2003,Vol.81 Bucharest.

ANNEX 2

LIST OF NATIONAL AND INTERNATIONAL PROJECTS (SELECTION)

Programul / Proiectul	**Funcţia**	Perioada:
Studies and research on the recovery of some products from ISP technology (Sometra Copşa Mică)	Researcher	1996-1997
Horizon 2000: : recovery and recovery of some products of metallurgical Zn-Pb from ISP technology.	Researcher	1998
IMEP – 9 Trace Elements in Water	Researcher	1998 - 1999
IMEP – 12 Trace Elementes in Water	Researcher	1999 -2001
INCO-COPERNICUS Technologies advanced wastewater treatment in metallurgy Pb and Zn for their purification and recirculation (section ion exchange)	Researcher	1999-2001
IMEP – 14 Trace Elementes in Sediment	Researcher	2000-2001
INVENT : Implementing recovery technology from waste containing Pb Pb.	Researcher	2001-2004
FP 5- GROWTH –NAS CLEANLEAD : Developing a new concept for Europe CLEANLEAD	Researcher	2002-2004
UE Competitive and Sustanaible Growth Programme/ CLEAN LEAD Project/GRDI-2000-25072	Researcher	2002-2003
CEEX 44 Studies and research on in situ remediation of soil polluted with heavy metals due to industrial activity	Researcher	2005-2008
BIOTECH 53 Research on soil remediation BIOTECH polluted with heavy metals researcher fitoextracţie	Researcher	2006-2008
CERES -4-198/2004 Theoretical and applied the process of sorption of heavy metals from aqueous solution on natural materials with application to purification / reuse water	Researcher	2004-2006
MENER 308 Technology mobiliyare MENER irreversible heavy metals from soil to reduce pollution	Researcher	2003-2005
AGRAL 114/2002 Technology for rehabilitation soil polluted with heavy metals	Researcher	2002-2004
AGRAL 203 Fitoextracţie Technology Research of heavy metals in the soil	Researcher	2003-2005

MATNANTECH C192 (401) titanium-hydroxyapatite composite achieved by electrophoresis for medical applications	Researcher	2004-2006
IMEP – 19 Trace Elementes in Rice	Researcher	2002-2003
IMEP – 20 Trace Elementes in Tuna Fish	Researcher	2003-2004
CEEX 46-2005 Rete-β Dent. Integrated technological network for advanced research biocompatible structures for dental implants.	Researcher	2005-2006
Contract 16-2005 TECOREMED. Tehnologii Integrated Nanostructured you get debiocompozi aplicatiiin bone tissue regenerative medicine.	Researcher	2005-2006
Contract CEEX 87-2006-UV NANOMAT. UV fotoreticulabile nanomaterials, multifunctional special properties pentruaplicatii decorative and dental.	Researcher	2006-2007
RELANSIN I/ Devices catalytic afterburner for the remediation of emissions from internal combustion engines associate	collaborator	03.01.2000-15.12.2002
RELANSIN I/ Special purpose structured ceramic materials	collaborator	24.03.2003-15.11.2004
CEEX 2005*/ CEEX 12/* ***Nanostructures hybrid inorganic-organic polymers based on vinyl coil and advanced composites to obtain contributor***	collaborator	2005-2008
CEEX 2005 */CEEX 14/* ***New catalytic materials for the remediation of industrial gaseous effluents***	collaborator	2005-2008
CORE PROGRAM / Industrial uses particle filters in SMEs collaborating Metallurgy	collaborator	15.06.2005-31.10.2005
CORE PROGRAM / Bidisperse porous oxidation-ceramic structures multifunctional filter, catalytic and adsorbent obtained by exploiting the natural silicate treatment of gaseous emissions in various industrial processes	collaborator	2007-2008
MODUL IV / Accreditation of a laboratory for chemical analysis and physical characterization NANOBIOMATLAB nanobiomaterialelor Contract no. 199-/10.08.2006	collaborator	2006-2008
FP6: Biotechnology for Metal Bearing Materials - BIOMINE	collaborator	2004 -2007
NEPOLL: The estimation of the pollution degree of water and soil in the vicinity of the indistrial area NEFERAL – Bucharest and the impact upon the health of people living in this area.	collaborator	2005- 2007
Ti-HAP composite for medical applications	collaborator	2004 - 2005
Developing advanced biocompatible implants using nanostructured ceramic coatings on titanium electrochemically grown	collaborator	2007- 2009
New materials and systems for dental implant prosthetics	collaborator	2005 - 2007
Partnerships in priority areas: Obtaining gallium complexes and eco-efficient in order to exploit the bauxite. Contract no. 71 - 017/18.09.2007	collaborator	2007-2009
Biotechnology for Metal bearing materials in Europe. Phases I - IV. Sudii and research on experimental module on galena and processing residue biosolubilizat Bioleaching for the recovery of lead and precious metals.	collaborator	2007- 2009
ECOPAM PNCDI2-Contract 71043/2007. Advanced materials derived from compounds of type hydrotalcites and clinoptilolite to remove pollutants from wastewater and liquid oil fraction environmentally friendly methods (ECOPAM)	collaborator	2007-2010
PN 09-240403/2009 CHARACTERIZATION BY PHYSICAL METHODS chemical-ceramic Matrix INORGANIC COMPOSITE - specific environmental organic APPLICATIONS " Phase: 1. Evaluation and selection of analytical techniques for materials characterization;	Responsible project	30/10/2009
PN 09-240403/2009 CHARACTERIZATION BY PHYSICAL METHODS chemical-ceramic Matrix INORGANIC COMPOSITE - specific environmental organic APPLICATIONS " Phase: 2. Studies and research to optimize the leaching conditions utizate materials in technological processes for obtaining nanomaterials,	Responsible project	15/06/2010

PN 09-240403/2009 CHARACTERIZATION BY PHYSICAL METHODS chemical-ceramic Matrix INORGANIC COMPOSITE - APPLICATIONS specific environmental organic Phase: 3. Chemical-physical characterization of the compounds start quantitative techniques plasma optical emission: ICP-OES and DCP,	Responsible project	05/02/2011
PN 09-240403/2009 CHARACTERIZATION BY PHYSICAL METHODS chemical-ceramic Matrix INORGANIC COMPOSITE - APPLICATIONS specific environmental organic Phase: 4. Physico-chemical characterization of the materials studied quantitatively by atomic absorption spectrometry techniques: flame (FAAS), graphite furnace (GFAAS techniques) and hydride generation (HyAAS)	Responsible project	15/07/2011
PN 09-240403/2009 CHARACTERIZATION BY PHYSICAL METHODS chemical-ceramic Matrix INORGANIC COMPOSITE - specific environmental organic APPLICATIONS " Phase 5. Studies of complex thermal analysis by thermogravimetry (TG), the derivative thermogravimetric analysis (DSC) and differential thermal analysis (DTA),	Responsible project	09/15/2011
PN 09-240403/2009 CHARACTERIZATION BY PHYSICAL METHODS chemical-ceramic Matrix INORGANIC COMPOSITE - specific environmental organic APPLICATIONS " Phase 6. Phase 6. Structural analysis by X-ray diffraction and optical microscopy for materials proposed project.	Responsible project	10.12.2011