



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Victoria SOARE**
Address(es) Bucharest, Romania
Telephone(s) +(4021)3522046
Fax(es) +(4021)3522048
E-mail
Nationality Romanian
Date of birth 17.02.1961
Gender Female

Work experience

Dates 1989 onwards
Occupation or position held Scientific researcher 3
Main activities and responsibilities Material analyses using various analytical methods
Name and address of employer National R&D Institute for Nonferrous and Rare Metals, Bucharest
Type of business or sector Research and development in nonferrous and rare metals

Dates 1987-1989
Occupation or position held Graduate engineer
Main activities and responsibilities Analytical electrochemistry
Name and address of employer Institute for Non-ferrous and Rare Metals, Bucharest
Type of business or sector Research and development in nonferrous and rare metals

Dates 1982-1987
Occupation or position held Technician
Main activities and responsibilities Material analyses using various analytical methods
Name and address of employer Institute for Non-ferrous and Rare Metals, Bucharest
Type of business or sector Research and development in nonferrous and rare metals

Education and training

Dates September 1982 – July 1987
Title of qualification awarded Graduate engineer
Principal subjects/occupational skills covered Industrial chemistry
Name and type of organisation providing education and training Faculty of Industrial chemistry, University „Politehnica” of Bucharest

Personal skills and competences

Mother tongue(s)

Specify mother tongue : Romanian

Other language(s)

Self-assessment

European level ()***English****French**

| Understanding | | | | Speaking | | | | Writing | |
|---------------|------------------|---------|------------------|--------------------|------------------|-------------------|------------------|---------|------------------|
| Listening | | Reading | | Spoken interaction | | Spoken production | | | |
| A2 | Basic User | A2 | Basic User | A2 | Basic user | A2 | Basic user | A2 | Basic user |
| B1 | Independent user | B1 | 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
 Extremely organised person
 Responsibility

Organisational skills and competences

Participation in several national and international scientific programmes

Technical skills and competences

Electrochemical analysis methods – acquired at University of Bucharest
 Potentiometry
 Polarography
 PHmetry
 Electrogravimetry
 Phase analyses
 Gas analyses
 Complex thermal analysis
 ICP-OES

Computer skills and competences

Competent with most Microsoft Office programs

Additional information**Annexes**

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

LIST OF PUBLICATIONS (SELECTION)

Articles:

Refereed Journals

1. V. Soare, **V.I. Soare**, M. Burada, T. Ostvold, C. Kontoyannis, E. Stefanidaki, „*Study of the Mg-Nd alloy obtaining by electrolysis in molten oxifluoride media*”, Journal of Mining and Metallurgy, section B, Metallurgy, Bor-Serbia and Montenegro, 39 (1-2) B, 200
2. V. Soare, C. Gurgu, I. Surcel, M. Burada, **V.I. Soare**, „*Electrochemical process for the manufacturing of titanium alloy matrix composites*”, METALLURGY, Zagreb, Croatia, ISSN 0543-5846, vol. 48 (3), 2009, p.151-155.
3. V. Soare, C. Gurgu, M. Burada, I. Surcel, **V.I. Soare**, „*Electrochemical process for the manufacturing of titanium alloy matrix composites*”, Metallurgy, ISSN 0543-5846, vol. 47, July-Sept. 2008
4. Dumitru MITRICA, Vasile SOARE, Florin STOICIU, Marian BURADA, **Victoria SOARE**, Petru MOLDOVAN, Gabriela POPESCU, Mihai BUTU, „*Magnesium influence to in-situ fabrication of Al-Si/AlN_p by RGI method*”, Metallurgy and New Materials Researches, vol. XVIII, no.4 (2010), ISSN 1221-5503
5. Vasile Soare, Ioan Surcel, Gabriel Popeneciu, Viorel Badilita, Florin Stoiciu, **Victoria Soare**, Dumitru Mitrica, Marian Burada, „*Physical – structural characteristics of Ti_{0,8}Zr_{0,2}Cr_{1,2}Mn_{0,8} hydrogen storage alloy*”, Metallurgy and new materials researches, vol. XIX, no.1/2011, ISSN 1221-5503
6. D. Mitrica, V. Soare, M. Burada, V. Badilita, **Victoria Soare**, I. Constantin, P. Moldovan, G. Popescu, „*Melt spinning process for nanostructured AISr master alloy obtaining*”, Metallurgy and new materials researches, vol. XIX, no.2/2011, ISSN 1221-5503

Refereed proceedings

1. V. Soare, I. Surcel, D. Taloi, **V.I. Soare**, „*Thermodynamics and kinetics of the reactions in the Mg-NdF₃-LiF system*”, Proceeding: International Symposium on Molten Salts – Patras, Greece, sept. 1999
2. **V.I. Soare**, P. Capota, „*Establishing elemental measurement uncertainty in Bag soldering alloys*”, VIth National metallurgy conference, 1999
3. V. Soare, **V.I. Soare**, M. Burada, „*Electrochemical production of Al – RE alloys on molten cathode from oxifluoride media*”, Proceeding: EuChem Conference on Molten Salts – Lyngby, Denmark, aug. 2000
4. V. Soare, I. Surcel, M. Burada, **V.I. Soare**, „*Study of the chemical equilibrium in the system Nd – Mg – NdF₃ – LiF – MgF₂*”, The 2nd International Conference “New Research Trends in Material Science” Const. 2001.
5. V. Soare, M. Burada, **V.I. Soare**, „*New electrochemical procedure for Mg – Nd alloys obtaining by co-deposition*”, National metallurgy and materials science conference – Bucharest, Sept. 2001.
6. Soare Vasile, Surcel Ioan, Burada Marian, Târcolea Mihai, **Soare Victoria**, „*Obtaining metallic Ti by an electrochemical process in chloride media*”, ART CAST 2006 International conference, „Dunărea de Jos” University, Galati
7. V. Soare, C. Gurgu, I. Surcel, M. Burada, **V.I. Soare**, „*Electrochemical process for titanium alloy matrix composites obtaining*”, 8th International Symposium of Croatian Metallurgical Society - Materials and Metallurgy”, Sibenik CROATIA
8. V. Soare, M. Burada, I. Surcel, **V.I. Soare**, M. Tarcolea, „*Nd-Fe Ecological alloys obtaining process by electroreduction of the oxides in chloride media*”, International Conference on Materials Science and Engineering, 22-24.02.2007, Brasov, Romania
9. Petre Capota, Cornel Simu, Lenuta Enache, Eleonora Neagu, **Victoria Soare**, Victoria Purcaru, Estera Constantinescu, „*Physical-chemical methods for characterisation of lead containing slag and their polluting potential*”, XXXth National chemistry conference, 8-10 October 2008, Calimanesti-Caciulata, Valcea.
10. Lenuta Enache, Eleonora Neagu, Victoria Purcaru, Cornel Simu, **Victoria Soare**, „*Determining the harmfulness degree of waste derived from the purification of exhausted gas resulted in aluminum thermal metallurgy*”, XXXth National chemistry conference, 8-10 October 2008, Calimanesti-Caciulata, Valcea.
11. Luminita Mara, Silvana Onisei, Elena Sarbu, Viorel Badilita, Lenuta Enache, **Victoria Soare**, Rodica Zavoiianu, Andrei Sarbu, Liliana Sarbu, Fanica Bacalum, „*Effect of the operating conditions on the porous monoliths from syntetic hydrocalcites and natural zeolite tuffs used in environmental applications*”, Torino, Italia, 16-20 septembrie 2008.

LIST OF NATIONAL AND INTERNATIONAL PROJECTS (SELECTION)

INTERNATIONAL PROJECTS:

| Project Grant | Position | Period |
|---|------------|-----------|
| Romania-Greece international cooperation: "Study on the influence of the electrolyte physical-chemical properties at lanthanide electro deposition in fluoride media" | Researcher | 1996-1998 |
| Project NATO" Science for Peace" SfP 97 1858: "Improvement of the technological parameters in the electrochemical production of Mg-Nd alloys from oxyfluoride media" | Researcher | 1998-2003 |

NATIONAL PROJECTS:

| Project Grant | Position | Period |
|--|------------|-----------|
| Project RELANSIN „Obtaining Al-TR alloys by molten salts electrolysis" | Researcher | 1999-2003 |
| Project MATNANTECH „High energy permanent magnets based on neodymium intermetallic compounds" | Researcher | 2003-2005 |
| Project CERES « New, unconventional concept for obtaining titanium alloys by electrochemical processes" | Researcher | 2004-2006 |
| GRANT CONSORTIUM „Physical-chemical processes modeling in elaboration of a new, ecologic method for obtaining titanium", | Researcher | 2006-2008 |
| grant „New concept for titanium alloys matrix composites synthesis by molten salts electrochemical processes " | Researcher | 2007-2008 |
| Programme PNCDI2 Partnerships « New methods for metal matrix composite materials synthesis by in-situ processes » | Researcher | 2007-2010 |
| Programme PNCDI2 Partnerships « Energetic technologies implementation by developing a thermal engine based on hydrogen absorbing metallic alloys using solar energy or residual energies » | Researcher | 2007-2010 |
| Programme PNCDI2 Partnerships «New types of flexible solar cells based on CIS compounds obtained through electro-deposition» | Researcher | 2007-2010 |