

## Europass curriculum vitae

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### Personal information

Surname(s) / First name(s) Boiciuc Simona Asiza  
E-mail(s) simonaboiciuc@yahoo.com

Nationality(-ies) romanian

Date of birth October 12, 1968

Gender female

### Desired employment / Occupational field

(remove if not relevant, see instructions)

### Work experience

Dates	2003-2010
Occupation or position held	Junior Assistant
Main activities and responsibilities	Lecture Courses – Surface Engineering, Quality Control of Processes and Products Metallurgical, Processing nonmetal materials, Leading lab works, leading projects for students, leading students scientific research circles
Name and address of employer	“Dunarea de Jos” University, Domneasca Street, Galați, no. 111, 800201, Faculty of Metallurgy and Material Science, Galați, Romania
Type of business or sector	University degree, scientific research, micro-manufacture.
Dates	2001-2003
Occupation or position held	Preparatory
Main activities and responsibilities	Leading lab works, leading students scientific research circles
Name and address of employer	“Dunarea de Jos” University, Domneasca Street, Galați, no. 111, 800201, Faculty of Metallurgy and Material Science, Galați, Romania
Type of business or sector	University degree, scientific research, micro-manufacture.

### Education and training

Dates	2002 - 2010
Title of qualification awarded	PhD in Materials Science and Engineering
Title of the thesis	Research regarding laser cladding with injected powder
Name and type of organisation providing education and training	University <i>Dunărea de Jos</i> of Galați, Romania
Dates	1988-1993
Title of qualification awarded	Diplomat engineer
Principal subjects/Occupational skills covered	physical chemistry, crystallography, physical metallurgy, thermal and thermochemical treatments, special methods of thermal treatment, rolling.
Name and type of organisation	“Dunarea de Jos” University, Domneasca Street, Galați, no. 111, 800201, Faculty of Metallurgy and

providing education and training  
Level in national or international classification

Material Science, Galați, Romania

-

**Personal skills and competences**

Mother tongue(s)

romanian

Other language(s)

*Self-assessment*

*European level (\*)*

**Language english**

**Language french**

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
Independent user	Independent user	Independent user	Independent user	Independent user
Independent user	Independent user	Independent user	Independent user	Independent user

*(\*) Common European Framework of Reference (CEF) level*

**Social skills and competences**

Capacity of accommodation in academic medium, good communication skills due to the experience in teaching field, efficient team worker due to the scientific research job.

**Organisational skills and competences**

Responsible in state budget funded research programs, participation in board of master examinations and students scientific research circles, participation on achievement of autoevaluation file for credential.

**Technical skills and competences**

Competences in the field of laser cladding techniques, thermal and thermochemical treatments, crystallography

**Computer skills and competences**

Literate in Microsoft Office

**Artistic skills and competences**

-

**Other skills and competences**

-

**Driving licence(s)**

-

**Additional information**

-

**Annexes**

Research activity: state budget funded research programs, papers published in technical reviews and scientific conferences.

## 1. State budget funded research programs

- a. *High speed laser cladding of working areas tools* - project no. 361/2004, M.E.C-Program INVENT, no. 78/2003 al UZINSIDER Engineering. SA Galați, S.C. MITTAL STEEL S.A. Galați, 2004 – 2005, **collaborator**.
- b. *New technologies to increase the normal use of equipment, parts and aggregates* – project no. 10/839782/ 2007 - 2009, financing: state budget – MEF, 2007-2009, UDJ-GALATI, with S.C.UZINSIDER ENGINEERING.S.A., 2007 – 2009, **collaborator**.
- c. *Advanced technologies to achieve environmental protection materials for corrosion resistance improvement* – ECOVER – project no. PNCDI Nr. 142/11.06.2008, project no. 1385, 2008 – 2010, **collaborator**.
- d. *Multifunctional zinc oxide-based nanostructures: from materials to a new generation of devices* – MULTINANOWIRES - project no. MNT 7- 029/2010, tip: PARTENERIATE ÎN DOMENII PRIORITARE, 2010-2012, **colaborator**.

## 2. Published papers ISI recognized

1. LEVCOVICI D.T, LEVCOVICI S., BOICIUC S. – *Studies and researches regarding laser cladding of nickel alloys on a steel suport*, METALURGIA INTERNATIONAL, NR.7, 2007, pag.41-45, Editura Stiintifica F.M.R.Bucharest, Romania, ISSN 1582 – 2214.
2. BOICIUC S., LEVCOVICI S., LEVCOVICI D.T – *Structural modifications in laser cladding layers heating up at different temperatures*, METALURGIA INTERNATIONAL, NR.8, 2007, pag.14-19, Editura Stiintifica F.M.R.Bucharest, Romania, ISSN 1582 – 2214.
3. BOICIUC S., LEVCOVICI S., LEVCOVICI D.T, GHEORGHIȘ C.: *Characterisation of hard coatings obtained by laser cladding process*, METALURGIA INTERNATIONAL 9/2008, ISSN 1582 – 2214 pp. 32-39.
4. LEVCOVICI S., ALEXANDRU P., BOICIUC S. – *Characterization of some powders used as addition materials in laser cladding technology*, METALURGIA INTERNATIONAL, NR.2, 2009, pag.49-54, Editura Stiintifica F.M.R.Bucharest, Romania, ISSN 1582 – 2214.
5. BOICIUC S., LEVCOVICI D.T – *Properties and application of laser cladding with Ni – Cr – B – Fe – Al alloy*, METALURGIA INTERNATIONAL, NR.10, 2009, pag.49-53, Editura Stiintifica F.M.R.Bucharest, Romania, ISSN 1582 – 2214.
6. BOICIUC S. - *Properties and application of laser cladding with high – speed steel powder, type M2*, METALURGIA INTERNATIONAL 1/2010, ISSN 1582 – 2214, pag. 5 – 11.
7. BOICIUC S., GHEORGHIȘ C. - *Structural changes in laser cladding layers of powder high - speed steel type HS6-5-2 - M2 heated to different temperatures*, METALURGIA INTERNATIONAL 2/2010, ISSN 1582 – 2214, pag. 30 – 35.

## 3. Published papers B+ recognized

1. BOICIUC S. - *The method of electric spark alloying and coating using a vibrating electrode*, The Annals of Dunărea de Jos" University of Galati, fascicle IX, Faculty of Metallurgy and Materials Science, Year XX (XXV), 2002, pag. 88-92.
2. BOICIUC S - *Properties and structural modifications in superficial layer of steels thermochemical treated in electrolytes*, The Annals of Dunărea de Jos" University of Galati, fascicle IX, Faculty of Metallurgy and Materials Science, Year XXI (XXVI), 2003, No 1, pg. 82-86.
3. BOICIUC S - *Surface hardening by means of microalloying and vibratory electrode deposit*, The Annals of Dunărea de Jos" University of Galati, fascicle IX, Faculty of Metallurgy and Materials Science, Year XXII (XXVII), 2004, No 1, pg. 54-61.

4. BOICIUC R., BOICIUC S. – *Tests Make for Different Thickness of Nickel Deposition on Mould Plates from Steel Continuous Casting*, “Metallurgy” Review nr.10/2004, pg. 36-42, ISSN 0461-9579.

5. LEVCOVICI S., LEVCOVICI D.T., GHEORGHIÈŞ C., BOICIUC S. – *Laser Cladding of Ni-Cr-B-Fe-Al Alloy on a Steel Support*, The Annals of Dunărea de Jos” University of Galati, fascicle IX, Faculty of Metalurgy and Materials Science, Year XXIII (XXVIII), 2005 , No 1, pg. 52-56.

6. BOICIUC R., BOICIUC S. - *Effect of Nickel Microalloying the Thermal Galvanizing Baths Over the Deposits Corrosion Resistance*, “Metallurgy” Review nr.12, 2005, pag.5-12, ISSN 0461-9579.

7. BOICIUC R., PREDA A., BOICIUC S – *Researches regarding structural changes due to nickel microalloying of hot galvanizing baths*, The Annals of Dunărea de Jos” University of Galati, fascicle IX, Faculty of Metalurgy and Materials Science, Year XXII (XXVII), 2005, , No 2, pg. 22 - 26.

8. VASILESCU E., BOICIUC S. - *Study of heat treatment influence on aluminum based alloy ATN-Si10Cu4*, The Annals of Dunărea de Jos” University of Galati, fascicle IX, Faculty of Metalurgy and Materials Science, NO. 2 – 2007, ISSN 1453 – 083X, pag.68 – 75.

9. BOICIUC S., LEVCOVICI D.T., LEVCOVICI S., GHEORGHIÈŞ C. - *Researches regarding the thermal stability of laser clad Ni-Cr-B-Fe-Al alloy*, Nonconventional Technologies Revue, 2007, Publishing House PIM, Iasi, ISSN 1454 – 3087.

10. BOICIUC R., PREDA A., BOICIUC S. – *Nickel microalloying effect of galvanizing hot bath on corrosion resistance*, Corrosion and Anticorrosive Protection, tome 2, 2007, page 21-25, Publishing House S.C. BETAK S.A. Bistrita, ISSN 1842 – 0346.

11. BOICIUC S., DRUGESCU E., MICULESCU F., CANTARAGIU A. - *EDX analysis of laser cladding layers with Ni – Cr – B – Fe – Al alloy*, The Annals of Dunărea de Jos” University of Galati, fascicle IX, Faculty of Metalurgy and Materials Science, Year XXII, NO. 1 – 2009, ISSN 1453 – 083X, pag.69 – 74.

12. DRUGESCU E, BOICIUC S, GHEORGHIÈŞ C. - *Characterization of thick hard layers with Ni-Cr-B-Fe-Al alloy obtained by laser cladding*, The Annals of Dunărea de Jos” University of Galati, fascicle IX, Faculty of Metalurgy and Materials Science, NO. 1 – 2009, ISSN 1453 – 083X, pag. 75 – 82.

#### 4. Participation at symposiums and scientific conferences

1. LEVCOVICI S., LEVCOVICI D.T., GHEORGHIÈŞ C., BOICIUC S – *Laser Cladding of Ni-Cr-B-Fe-Al Alloy on a Steel Support*, 12<sup>th</sup> International Metallurgy – Materials Congress and Fair, 28.09 – 2.10. 2005, pag. 1290 – 1295, Istanbul, Turcia (ISBN 9944-89-073-1).

2. LEVCOVICI S., LEVCOVICI D.T., GHEORGHIÈŞ C., BOICIUC S – *Laser Cladding of Ni-Cr-B-Fe-Al Alloy on a Steel Support*, *The International Thermal Spray Conference and Exposition (ITSC)*, 15 – 17 mai 2006, pag. 1339 – 1344, Seattle, USA (ISBN 10: 0-87170-836-1).

3. LEVCOVICI S., LEVCOVICI D.T., GHEORGHIÈŞ C., BOICIUC S. – *Laser Cladding of Ni-Cr-B-Fe-Al Alloy on a Steel Support*, *Advanced Materials and Technologies UGALMAT 2005*, pag.292 – 296.

4. BOICIUC R., RĂPĂ M., BOICIUC S – *Elasto-plastic Transition of Different Thickness of Nickel Deposition on Mould Plates from Steel Continuous Casting*, *Continuous Casting Symposium, ARTCAST*, 4-5 mai 2006, pag. 248-252 Galati, ISBN 973-8937-00-0.

5. BOICIUC R., PREDA A., BOICIUC S. – *Effect of Nickel Microalloying the Thermal Galvanizing Baths Over the Deposits Corrosion Resistance*, *International Conference “Corrosion and Anticorrosive Protection”*, Cluj – Napoca, 2006.

6. LEVCOVICI S.M., LEVCOVICI D.T., GHEORGHIÈŞ C., BOICIUC S – *Bronze with aluminium laser cladding on steel base*, *Advanced Materials and Technologies –UGALMAT 2007*, pag.463 - 468, Galati University Press, ISSN 1843 – 5807.

7. VASILESCU E., BOICIUC S. - *Study of heat treatment influence on aluminum based alloy ATN-Si10Cu4*, *Advanced Materials and Technologies – UGALMAT 2007*, pag.281 - 287, Galati University Press, ISSN 1843 – 5807.

8. BOICIUC S., LEVCOVICI D.T., LEVCOVICI S., GHEORGHIÈŞ C - *Researches regarding the thermal stability of laser clad Ni-Cr-B-Fe-Al alloy*, *Nonconventional Technologies Conference*, Publishing House PIM, Iasi, ISSN 1454 – 3087.

9. BOICIUC S., DRUGESCU E., MICULESCU F., CANTARAGIU A. - *EDX analysis of laser cladding layers with Ni – Cr – B – Fe – AL alloy*, Advanced Materials and Technologies UGALMAT 2009, pag. 268-273, ISSN 1843 – 5807.
10. DRUGESCU E., BOICIUC S., GHEORGHIES C. – *Characterization of thick hard layers with Ni-Cr-B-Fe-Al alloy obtained by laser cladding*, Advanced Materials and Technologies UGALMAT 2009, pag. 274-280, ISSN 1843 – 5807.
11. BOICIUC S., Drugescu E. - *Research on abrasive wear behavior of laser cladding layers with high – speed steel powder type HS6-5-2 - M2*, International Conference, ARTCAST 2010.
12. RÎPĂ M., BOICIUC S. - *Characterisation of Laser Cladding with Ni–Cr–B–Fe– Al Alloy by Profilometric Study of the Scratch Tracks*, Proc. Intern. Conference VarEHD 15, Suceava, Romania, 2010, pp. 188-196, ISSN 1844 – 8917.

## 5. Patent

BOICIUC Silviu Radu, PREDA Adriana, **BOICIUC Simona**, HORIA Silvica, ONEA Iulian – Patent no. 122497/30.07.2009, *Galvanizing process of nickel microalloying bath*.