



Curriculum vitae Europass

Personal information

First name / Surname **BUCSE IONELA GABRIELA**
Address Calugareni nr. 1, Drobeta Turnu Severin
Telephone(s) +40.0252.333.431
Fax(es) +40.0252.317.429
E-mail bucse_ionela@yahoo.com
Nationality romanian
Date of birth 10 october 1970
Gender female

Work experience

Date	2007 – present
Occupation or position held	assistant
Main activities and responsibilities	Academic activity
Name and address of employer	Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin, University of Craiova, Romania
Type of business or sector	Superior teaching
Date	2004 – 2007
Occupation or position held	preparator
Main activities and responsibilities	Academic activity
Name and address of employer	Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin, University of Craiova, Romania

Education and training

Date	2006 – present
Title of qualification awarded	PhD student
Name and type of organization providing education and training	University of Craiova, Faculty of Mechanics, Doctoral School „Radu Voinea”, Romania;
Date	2007
Title of qualification awarded	Postgraduate diploma, specialization: MATERIAL ENGINEERING, named also MICRO AND NANOTECHNOLOGY
Name and type of organization providing education and training	University of Craiova, Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin, Romania;
Date	2005
Title of qualification awarded	Postgraduate course, specialization: “Computer assisted design”

Name and type of organisation providing education and training	University of Craiova, Faculty of Engineering and Management of the Technological Systems, Drobeta Turnu Severin, Romania
Date	2004
Title of qualification awarded	Graduate diploma, specialization: "Environmental Engineering (Water and Soil Protection Measures),"
Name and type of organisation providing education and training	"Polytechnic" University of Timisoara, Faculty of Hydro technical Engineering, Romania
Date	1998
Title of qualification awarded	Higher Diploma Education
Name and type of organisation providing education and training	"Economic" High School, Dr. Tr. Severin, Romania
Personal skills and competences	
Other language(s)	French – well English - well
Mother tongue	Romanian
Technical skills and competences	Powder metallurgy, Environmental engineering, Computer Aided Design and Engineering
Computer skills and competences	Yes
Driving licence(s)	Category B vehicle
Annexes	Anexa CV

Annexes

Scientific research activities:

1. Research Contract Excellency Research (CEEX) no. 85/2006, for: MEC; coordinator: University of Craiova, The Faculty of the Engineering and Management of the Technological Systems from Drobeta Turnu Severin ; coordinator: prof.dr.ing. Mangra Mihail; title: **Knowledge development on the elaboration and microprocessing of the nanostructured materials for MEMS components using powder metallurgy**; acronym : **PRONANOMAT**; funding period : 2006-2008 (www.pronanomat.eu si www.imst.ro);

2. Research Contract Excellency Research (CEEX) no. 265/2006, for: MEC; coordinator : NRD1 in Welding and Material Testing ISIM Timisoara; partner: University of Craiova Universitatea din Craiova, The Faculty of the Engineering and Management of the Technological Systems from Drobeta Turnu Severin; coordinator partnership: prof. Mangra Mihail; title: **Virtual center for integrated technologies with applications of the electrical sounds energy in advanced materials engineering**; acronym: **ULTRATECH** ; funding period : 2006-2008 (www.isim.ro);

3. Research Contract Excellency Research (CEEX) no. 266/2006, for: MEC; coordinator : NRD1 in Welding and Material Testing ISIM Timisoara; partner: University of Craiova Universitatea din Craiova, The Faculty of the Engineering and Management of the Technological Systems from Drobeta Turnu Severin; coordinator partnership: prof. Mangra Mihail; title: **Plurifunctioning microlayers for Titan alloy covering by advanced technologies**; acronym : **MICROFUNCTIA**; funding period: 2006-2008 (www.isim.ro);

4. Research Contract no. 3268/2007, type PN II – PC for MEC; coordinator: NRD1 in Welding and Material Testing ISIM Timisoara; partner: University of Craiova Universitatea din Craiova, The Faculty of the Engineering and Management of the Technological Systems from Drobeta Turnu Severin ; coordinator partnership: prof. Mangra title: **Microwelding systems for circuit elements and microsensors and actuators embeded**; acronym: **MICROWELD**; funding period : 2007-2010, (www.mindeon.com/microweld).

Publications:

1. **Bucse I.**, *“Analyses regarding porosity test of sintered low alloy steels of nanostructured powders”*, Industrial Engineering Magazine, vol.2, 2008, Universitaria Publishing, Craiova, Romania;

2. Ghermec C., Ciupitu I., **Bucse I.**, Ciobanu M. *“Research regarding the mechanic stress behaviour of carbon steels made of iron powders elaborated in methane gas medium”* Euro PM2008 Congress and Exhibition, Franta, october 2008;

3. Mazilu, M., **Bucse, I.**, Ciobanu, M., *“Impact, vulnerability and inuring to the climate changes”*, Global Conference on Global Warming 2008 (GCGW-08)”, Istanbul, Turcia, 06-10 july 2008;

4. Ciobanu M., Ciobanu M., **Bucse I.**, *Air Quality in Drobeta Turnu Severin*, Simpozion, INCD ECOIND

- International Symposium "The Environment and Industry" – SIMI 2007 – Bucharest, 25 – 27 october 2007, ISSN: 1843 – 5831;
5. Ghermec O., Ghermec C., **Bucse I.**, M. Ciobanu: "Research Regarding the Waste Paper Management and the Ecologic Impact over the Wood Reserve of Broad – Leaved from the South – West of Romania", Simpozion, INCD ECOIND International Symposium "The Environment and Industry" – SIMI 2007 – Bucharest, 25 – 27 october 2007, vol II, pag. 395, ISSN: 1843 – 5831;
 6. Ciobanu M., Ciobanu M., **Bucse I.**, "Ecologic Crisis Situation Management", Simpozion, INCD ECOIND International Symposium "The Environment and Industry" – SIMI 2007 – Bucharest, 25 – 27 october 2007, ISSN: 1843 – 5831;
 7. **Bucse I.**, Ghermec O., Ciobanu M., "Research Regarding the Possibility of Environment Legislation Application in the Field of Waste Waters in the Rural Areas of Mehedinti County", Simpozion, INCD ECOIND International Symposium "The Environment and Industry" – SIMI 2007 – Bucharest, 25 – 27 october 2007, vol II, pg. 379, ISSN: 1843 – 5831;
 8. Savu S., Bica I., Savu D., Catana G., **Bucse I.**, "Cavitation Iron Microparticles and Nanoparticles Generation by Plasma Procedures", Euro PM2007 Congress and Exhibition, 15-17 october 2007, Toulouse, Franta, vol 2, pag. 307-312, ISBN : 978-1-899072-30-9;
 9. Ciobanu, M., **Bucse, I.**, Nicolicescu, C., Ghermec, C., Radu, S., "The production of sintered carbon steels as mixture of powders of iron and cementite", Euro PM2007 Congress and Exhibition, 15-17 october 2007, Toulouse, Franta, vol 2, pag. 275, ISBN : 978-1-899072-30-9;
 10. Nicolicescu C., **Bucse I.**, Ciobanu M., Saceanu C., Demian M., "Using effects of WC powders and WC-Co nanostructured powders to the fabrication of cutting tools", Euro PM2007 Congress and Exhibition, 15-17 octombrie 2007, Toulouse, Franta, vol 2, pag. 285-287, ISBN : 978-1-899072-30-9
 11. **Bucse, I.**, Ciobanu M., Nicolicescu, C., Savu, S., Saceanu S., "Studies on the effects of using nanometric and nanostructured powders as master-alloys for the nanostructured low alloyed steels elaboration", EURO PM2007 Congress & Exhibition, Toulouse, Franta, 15-17 october 2007, ISBN : 978-1-899072-30-9;
 12. Ciobanu M., **Bucse I.**, Nicolicescu C., Saceanu A., "Researches about the elaboration of some composites Fe and Fe₃C nanopowders for sintered carbon steels fabrication", The Sixth Seminar of Nanoscience and Nanotechnology, 26 March 2007, Bucharest - Process in Nanoscience and Nanotechnologies, vol. 11, pg.160-166, ISBN: 978-973-27-1576-5;
 13. **Bucse I.**, Ciobanu M., Nicolicescu C., A. Saceanu, "Research on the nanometric powder processing by mechanical alloying, used as master-alloys for low alloyed sintered steels elaboration", The Sixth Seminar of Nanoscience and Nanotechnology, 26 March 2007, Bucharest - Process in Nanoscience and Nanotechnologies, vol. 11, Pag.138-145, ISBN: 978-973-27-1576-5;
 14. Nicolicescu C., **Bucse I.**, M. Ciobanu, C. Saceanu, "Researches regarding the elaboration of some WC+12%Co composite nanopowders", The Sixth Seminar of Nanoscience and Nanotechnology, 26 March 2007, Bucharest - Process in Nanoscience and Nanotechnologies, vol. 11, Pag.131-126, ISBN: 978-973-27-

1576-5;

15. Ciobanu M., **Bucse I.**: “*Study of the Effects of Using Nanopowders of Cementite in the Production of Sintered Steels*”, International Conference on Materials Science and Engineering, Brasov 22-24 February 2007, P. 67-71, ISSN 1223-9631;

16. **Bucse I.**, Ciobanu M., Nicolicescu C., “*Researches regarding the elaboration of various master alloys nanopowders used for low alloyed sintered steels production*, International Conference of Materials Science and Engineering, BRAMAT 2007, 22-24 february, Braşov, vol. II, p. 154-159; ISSN 1223-9631;

17. **Bucse, I.**, Ghermec,C., Ghermec, O., Criveanu, M. - Reasearch on the behavior to the wear of the ecological sintered low alloyed steels based on master alloys, International Congress & Exhibition EuroPM 2009,12-14 october 2009, Copernhaga, Danemarca, in course of being published;

18. **Bucse, I.**, Ionescu, A., Gingu, O., Ciobanu M. - Research on the elaboration of ecological low alloyed sintered steels based on Mn, Mo, Cr and B, 4th INTERNATIONAL CONFERENCE ON POWDER METALLURGY, RoPM2009, Craiova, in order to publish;

19. Gângu Oana , P. Rotaru, José Manuel Torralba, A. Harabor, Mihail Mangra, Ion Ciupitu, Gabriela Sima, **Bucse Ionela**, Olei Adrian,- New Sintering Processing Route for Ceramic Biocomposites Based on Hydroxyapatite nanopowders, 4th INTERNATIONAL CONFERENCE ON POWDER METALLURGY, RoPM2009, Craiova, in course of being published;

20. Gingu O., Lupu N., Tanasescu S., Rotaru P., Harabor A., Mangra M., Ciupitu I., Sima G, Olei A., **Bucse I.** - Spark Plasma Sintering behavior of ceramic biocomposites based on hydroxyapatite nanopowders, International Congress & Exhibition EuroPM 2009,12-14 october 2009, Copernhaga, Danemarca, in course of being published;

21. Nicolicescu C., Vida Simiti I., Ciobanu M., **Bucse I.**,- The elaboration of electric, nanostructured contacts based upon W – Cu for high power currents, The 8th Seminary of Nanoscience and Nanotechnology, Romanian Academy Library 2009;

22. **Bucse, I.**, Ionescu, A., Gingu, O., Ciobanu M,- Research regarding the obtaining of ecologic, nanostructured low alloyed steels through sintering in two steps, Industrial Engineering Magazine, vol. 2, 2008, Universitaria Editure, Craiova, in course of being published.

Books:

1. Demian, G., Ghermec, O., Ciobanu, M., **Bucse, I.**, Nicolicescu, C. – **Phisics - Booklet for laboratory practice**, Universitaria Printing House, 2006, ISBN: 978 – 973 – 742 – 528 – 7;

2. Demian, G., Ciobanu, M., **Bucse, I.**, **Sources of radiation and protection techniques**, University of Craiova, in 2009 (currently editing).

Society memberships: 2006 - Romanian Welding Association (ASR).

Summer schools, workshops:

- 16-18 iulie 2007– participation in summer school “Nanosciences & Nanotehnologies (SS-NN07)” la Thessaloniki in Grecia;
- “4th international Workshop on Nanosciences & Nanotehnologies (NN07)” in perioada 14-20 iulie 2007la Thessaloniki in Grecia.