



Personal data

Name and surname

OLEI Bebe-Adrian

Address

Crişan street, no.41, Drobeta Turnu Severin, code 220030, Mehedinţi county, Romania

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Nationality

Romanian

Birth date

July 7th, 1983

Gender

Male

Professional experience

Period

October 2014 – present

Occupation or position held

Lecturer

Activities and main responsibilities

Academic activity

Employer name and address

Faculty of Mechanics, Department of Engineering and Management of Technological Systems, Drobeta Turnu Severin, University of Craiova

Activity type

Higher education

Period

February 2011 – October 2014

Occupation or position held

Assistant professor

Activities and main responsibilities

Academic activity

Employer name and address

Faculty of Mechanics, Department of Engineering and Management of Technological Systems, Drobeta Turnu Severin, University of Craiova

Activity type

Higher education

Period

October 2007 – February 2011

Occupation or position held

Assisting teacher

Activities and main responsibilities

Academic activity

Employer name and address

Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin, University of Craiova

Activity type

Higher education

Period

October 2007 – present

Occupation or position held

Member in research teams

Activities and main

(6 national and international funding projects, see annex)
Scientific research activity

responsibilities	
Employer name and address	University of Craiova
Activity type	Higher education
Period	October 2007 – present
Occupation or position held	Articles author and co-author (19 articles, see annex)
Employer name and address	University of Craiova
Activity type	Articles publishing
Period	October 2014 – present
Occupation or position held	Member of Technology and Innovation in Advanced Research of Composites (TIARA-C) group (http://cis01.central.ucv.ro/proiectecercetare/tiarac/)
Activities and main responsibilities	Scientific research activity
Employer name and address	University of Craiova
Period	October 2007 – present
Occupation or position held	Member of the Mechanical and Biomedical Engineering Laboratory – MBEL (http://www.imst.ro/mbel/index.htm)
Activities and main responsibilities	Scientific research activity
Employer name and address	University of Craiova
Education and forming	
Period	2014
Obtained qualification/diploma	Postgraduate program “Teachers in the school education system and state university-promoter of lifelong learning”
Institution name and type	Project co-financed by European Social Fund through the Sectoral Operational Program Human Resources Development 2007-2013 (POSDRU), axis 1, direction 1.3, “Human resources development in education and training”, beneficiary: National Education Ministry, contract code: POSDRU/174/1.3/S/149155
Period	2011 – 2013
Obtained qualification/diploma	Post-graduate program “Human resources development from education and forming”
Institution name and type	Project co-financed from the European Social Fund through Operational Program for Developing Human Resources 2007-2013, (POSDRU), axis 1, direction 1.3, “Quality, innovation, communication in the continuous forming system of the higher education teaching staff” coordinator: University of Bucharest, financing duration: 2011-2013, contract code: 87/1.3/S/63709
Period	June 6 – 11, 2010
Obtained qualification/diploma	Participation in the Socrates program
Institution name and type	Poly-technical School of Turin, Alessandria faculty, Italy
Period	2009 – 2012
Obtained qualification/diploma	Post-graduate program for specializing the university staff for the position of Supervisor of research and industrial/ technological practice
Institution name and type	Project co-financed from the European Social Fund through Operational Program for Developing Human Resources 2007-

	2013, (POSDRU), axis 1, direction 1.2, <i>Specialization of the university staff for the position of supervisor of research and industrial/technological practice</i> , coordinator: Technical University „Gheorghe Asachi” from Iasi, financing duration: 2009-2012, contract code: 57/1.3/S/17884
Period Obtained qualification/diploma Institution name and type	June 7 – 12, 2009 Participation in the Socrates program Poly-technical School of Turin, Alessandria faculty, Italy
Period Obtained qualification/diploma Institution name and type	2008 – 2009 Post-graduate diploma in “Environment protection in industry” Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin, University of Craiova
Period Obtained qualification/diploma Institution name and type	2008 Graduation certificate for the psycho-pedagogy module Department for university staff preparing, University of Craiova
Period Obtained qualification/diploma Institution name and type	2008 European computer driving license (E.C.D.L. complete) Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin, University of Craiova
Period Obtained qualification/diploma Main studied disciplines Institution name and type	October 2007 – October 2010 Doctor in “Materials Science and Engineering” PhD thesis title: “Research regarding the elaboration of bio-composite materials with hydroxyl-apatite ceramic matrix reinforced with metallic particles” Scientific coordinator: prof. Mihail Mangra Faculty of Mechanics, University of Craiova
Period Obtained qualification/diploma Institution name and type	2007 – 2009 Master diploma in “Micro and Nanotechnology” field Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin, University of Craiova
Period Obtained qualification/diploma Institution name and type	2007 – 2008 Post-graduate diploma in “Technical informatics” Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin, University of Craiova
Period Obtained qualification/diploma Institution name and type	September 2005 – February 2006 Socrates – Erasmus scholarship Poly-technical School of Turin, Italy
Period Obtained qualification/diploma Institution name and type	2002 – 2007 Diplomat engineer Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin, University of Craiova
Foreign languages	<ol style="list-style-type: none"> 1. English (very well) 2. Italian (very well) 3. French (well) 4. German (beginner)

Technical competences and aptitudes	Materials science and engineering, Biomaterials, Computer aided design, Finite element modeling
PC use competences	Yes
Driving license	B category (Earned in november 2001)
Annex	Research activity, publications, summer schools, winter schools, professional societies membership

Annex

Research grants

1. Research grant CEEEX no. C85/2006, code 1592/2006, beneficiary CNCSIS-MATNANTEH, contract director: prof. Mangra Mihail; title: Knowledge development regarding the elaboration and micro-processing by powder metallurgy of nanostructured materials for MEMS components, acronym **PRONANOMAT**, coordinated by the University of Craiova;
2. Research grant CEEEX no. 266/2006 code /2006, beneficiary CNCSIS, contract director: prof. Mangra Mihail; title: Pluri-functionalised microstructures for the covering of the titanium alloys by advanced technologies, acronym **MICROFUNCTIA**, coordinated by ISIM Timisoara;
3. Research grant CEEEX no. 265/2006 code /2006, beneficiary CNCSIS, contract director: prof. Mangra Mihail; title: Virtual center for integrated technologies with applications of the electro-acoustic energy in materials engineering, acronym **ULTRATEH**, coordinated by ISIM Timisoara;
4. Research grant PN II no.71-135/2007 code 3268/2007, beneficiary CNCSIS, grant director: dr. eng Savu Dan; title: Microbonding systems for circuit and encapsulated elements of the micro-sensors and actuators - acronym **MICROWELD**, coordinated by ISIM Timisoara.
5. Cooperation-Network for Logistics and Nautical Education focusing on Inland Waterway Transport in the Danube Corridor Supported by Innovative Solutions –acronym **NELI**, project in the Transitional Cooperation Program for SE Europe, no. SEE AF/A/223/1.3/X, beneficiary The European Commission, project coordinator: JTS Budapest, Hungary, partnership coordinator: prof. dr. eng I Ciupitu.
6. Research grant PN-II-PT-PCCA-2013-4-2094, title: Research of the bone substitution with bio-composites materials fabricated through powder metallurgy specific techniques, acronym: **BONY**, coordinator: University of Craiova, Faculty of Mechanics, Department of Engineering and Management of Technological Systems from Drobeta Turnu Severin, grant director: prof., PhD. Oana Gîngu, financed period: 2014-2016.

Publications

• Scientific papers published at international conferences

1. Sima G., Mangra M., Gîngu, O., Criveanu M., **OLEI, A.**, *Influence of the Reinforcing Elements on the Wear Behavior of Al/(SiC+graphite) Composites Elaborated by Spark Plasma Sintering Technology*, Materials Science Forum Vol.672 (2011), pp.241-244, Trans Tech Publications, Switzerland, <http://www.scientific.net/MSF.672.241>.
2. **OLEI A.**, Gîngu, O., Lupu, N., Sima, G., *Structural Analysis of PM Biocomposites Based on Hydroxyapatite Nanopowders Elaborated by Spark*

Plasma Sintering Route, Solid State Phenomena Vol. 188 (2012) , “Advanced Materials and Structures IV”, pp. 52-58, online available since 2012/May/14, Trans Tech Publications, Switzerland, <http://www.scientific.net/SSP.188.52>.

3. Gîngu, O., Pascu, I., Lupu, N., Rotaru, P., Hărăbor, A., **OLEI, A.**, Sima, G., Calderon Moreno, J., *New Sintering Processing Route For Ceramic Biocomposites Based On Hydroxyapatite Nanopowders For Hard Tissue Grafting*, World PM Congress and Exhibition, WPM 2010, Florence, Italy, October 10th-14th 2010.

4. Gîngu, O., Lupu, N., Tănăsescu, S., Rotaru, P., Hărăbor, A., Mangra, M., Ciupitu, I., Sima, G., **OLEI, A.**, Bucse, I., *Spark Plasma Sintering Behavior Of Ceramic Biocomposites Based On Hydroxyapatite Nanopowders*, European PM Congress and Exhibition EUROPM 2009, October 12th – 14th 2009, Copenhagen, Denmark.

5. **OLEI A.**, Gîngu O., *The Influence of the Tribological Testing Conditions on the Wear Rate for Some Titanium Plates Processed by Spark Plasma Sintering Route*, The 1st International Conference „Advances in Engineering & Management” ADEM 2010, May 19th – 21st 2010, Drobeta Turnu Severin, Romania.

6. **OLEI A.**, Benga G., Ștefan I., The influence of the tribological testing conditions on the wear rate for some Ti plates processed by spark plasma sintering route, The 4th International Conference “Advanced Composite Materials Engineering” COMAT 2012, October 18th – 20th 2012, Brasov, Romania.

7. Ștefan I., **OLEI A.**, Nicolicescu C., “Research on Mechanical Alloying Effects on Magnetic Properties of Barium Ferrite Type M”, The 4th International Conference “Advanced Composite Materials Engineering” COMAT 2012, October 18th – 20th 2012, Brasov, Romania.

8. Gîngu O., Benga G., Pascu I., Sima G., **OLEI A.**, Hărăbor A., “Influence on the two step sintering parameters on tribological behaviour of nanostructured Hap/Ti biocomposites”, The 2nd International Conference “Advances in Engineering and Management” ADEM 2012, December 13th – 14th 2012, Drobeta Turnu Severin, Romania.

9. Ștefan I., Nicolicescu C., **OLEI A.**, Trotea M., “Researches on formation of BaFe₂O₄ from ceramic powders obtained by ball milling”, The 2nd International Conference “Advances in Engineering and Management” ADEM 2012, December 13th – 14th 2012, Drobeta Turnu Severin, Romania.

10. **OLEI A.**, Gîngu O., Ștefan I., “The influence of the two step sintering technique on the wear resistance for some Hap/Ti biocomposites”, The 2nd International Conference “Advances in Engineering and Management” ADEM 2012, December 13th – 14th 2012, Drobeta Turnu Severin, Romania.

11. **OLEI A.**, Gîngu O., Benga G., “Study of the surface response at dry friction tests of nanostructured ceramic PM biocomposites”, The 8th International Conference “Materials and Engineering” BRAMAT 2013, February 28th – March 1st 2013, Brașov, Romania.

12. **OLEI A.**, Ștefan I., Popescu N., The Influence of the Sintering Temperature on the Wear Testing for Some Steel Samples Obtained by Powder Metallurgy, Solid State Phenomena Vol. 216 (2014) pp.216-22, available online since 2014/Aug/18, Trans Tech Publications, Switzerland, <http://www.scientific.net/SSP.216.216>.

13. Popescu N., Vidu R., Bratu V., **OLEI A.**, Ungureanu D., Anghelina F., Effects of SiC Proportion and Artificial Aging Parameters on Microstructure and Hardness of Al-Cu/SiC Composites, Solid State Phenomena Vol. 216 (2014) pp.122-127, available online since 2014/Aug/18, Trans Tech Publications, Switzerland, <http://www.scientific.net/SSP.216.122>.

14. Benga G., Savu D., **OLEI A.**, Influence of the cutting parameters on the surface roughness when machining hardened steel with ceramic and PCBN cutting tools, The 3rd International Conference "Advances in Engineering and Management" ADEM 2014, September 11th – 12th 2014, Drobeta Turnu Severin, Romania.

15. **OLEI A.**, Savu S., Ștefan I., The tribological behavior of some steel samples prepared by powder metallurgy sintered in microwave field, The 3rd International Conference "Advances in Engineering and Management" ADEM 2014, September 11th – 12th 2014, Drobeta Turnu Severin, Romania.

16. Ștefan I., **OLEI A.**, Nicolicescu C., Effect of Fe₂O₃ mechanical milling on the barium hexaferrite synthesis, The 3rd International Conference "Advances in Engineering and Management" ADEM 2014, September 11th – 12th 2014, Drobeta Turnu Severin, Romania.

• Scientific papers published in journals

1. Gîngu, O., Benga, G., **OLEI, A.**, Lupu, N., Rotaru, P., Tănăsescu, S., Mangra, M., Ciupitu, I., Pascu, I., Sima, G., *Wear Behaviour Of Ceramic Biocomposites Based On Hydroxiapatite Nanopowders* (2011), [Proceedings of the IMechE](#), vol. 225, Issue 1, [Part E: JOURNAL OF PROCESS MECHANICAL ENGINEERING](#), pp.62-71 ISSN (printed): 0954-4089, ISSN (electronic): 2041-3009, Impact factor (2013): 0.547, <http://pie.sagepub.com/content/225/1/62.short>; doi:10.1243/09544089JPME307.

2. Ștefan I., Nicolicescu C., **OLEI A.**, *Thermogravimetric Studies on the BHF Synthesis of BaCO₃ and α-Fe₂O₃ Mixtures Processed by Mechanical Alloying*, Journal of Optoelectronics and Advanced Materials, vol.15, no.7-8, July-August 2013, pp.774-780, Impact factor (2013): 0.563, <http://joam.inoe.ro/index.php?option=magazine&op=view&idu=3270&catid=79>.

3. Gîngu O., Hărăbor A., Rotaru P., Pascu I., Ciupitu I., Benga B., Sima G., **OLEI A.**, Influence of two steps sintering parameters on tribological behaviour of hybrid hydroxyapatite-based biocomposites, Journal of Advanced Thermal Science Research, Avanti Publishers (in press).

• Citations in journals with impact factor

1. Pop N., Vlădăreanu L., Popescu I.N. et al., A numerical dynamic behaviour model for 3D contact problems with friction, Computational Materials Science 94 (2014) 285-291, ref.18, <http://dx.doi.org/10.1016/j.commatsci.2014.05.072>.
2. Pop N., Vlădăreanu L., Popescu I.N. et al., A numerical dynamic behaviour model for 3D contact problems with friction, Computational Materials Science 94 (2014) 285-291, ref.21, <http://dx.doi.org/10.1016/j.commatsci.2014.05.072>.

Summer schools

1. June 27th – July 1st 2011 – EPMA Powder Metallurgy Summer School, Dresden, Germany.
2. September 7th 2011 – Thermal Analysis and Calorimetry Summer School, Craiova, Romania.
3. August 27th 2013 – Thermal Analysis and Calorimetry Summer School, Vilnius, Lithuania.

Winter schools

1. December 14th – 16th 2012 – Winter School "Renewable Energy Systems and Green Nanotechnologies for a Clean Environment", Drobeta Turnu Severin, Romania.

Published books/chapters

1. **OLEI A.**, Fabrication equipment – course notes, Drobeta Turnu Severin, 2014.
2. **OLEI A.**, Materials' structure theory and properties – course notes, Drobeta Turnu Severin, 2014.

Member in professional societies

1. Member of the Engineers' General Associations from Romania
2. Member of the Romanian Tribology Association
3. Member of the Romanian Welding Association