

Curriculum vitae Europass



Personal Information

Name / Surname **MOSNEGUTU EMILIAN FLORIN**

Address

[Redacted]

Phone

Mobile:

[Redacted]

Fax

+40 234 580170

E-mail

emos@ub.ro

Nationality

Romanian

Date of birth

24.11.1974

Sex

male

Work Experience

„Vasile Alecsandri” University of Bacau, Faculty of Engineering, Department I.M.I.M.

Period

March 2014 - present

Occupation or position held

Assoc. prof. dr. eng., „Vasile Alecsandri” University of Bacau, Faculty of Engineering, Department I.M.I.M.
Responsible for financial state of Department Environmental Engineering and Mechanical Engineering
From 06.02.2018 - present, Department Director - Department of Environmental Engineering and Mechanical Engineering

Main activities and responsibilities

- lecture: Raw materials for industrials process, Management of industrial waste, Specific equipment in the food industry / biochemical engineering, Machinery and equipment for process industries I, II, III, General mechanical technology, Integrated waste management;
- coordination scientific works of students for Scientific Session
- helped coordinate of projects of diploma, students from E.P.I. and I.P.M.I. specialization;
- Scientific editor of the volume – „Modeling and optimization in the machine building field” – MOCM2001-2006, published under the Romanian Academy, Iasi Branch, Bc magazine, CNCSIS accredited and rated in databases Viniti - Russia and CSA – USA;
- Scientific editor of the volume – „Journal of Engineering Studies and Research” – JESR 2006-present, published under the Romanian Academy, Iasi Branch, Bc magazine, CNCSIS accredited and rated in databases Viniti - Russia and CSA – USA

Name and address of employer

„Vasile Alecsandri” University of Bacau

Type of business or sector

Education

Period

February 2004 - March 2014

Occupation or position held

Lecturer dr. eng., „Vasile Alecsandri” University of Bacau, Faculty of Engineering, Department I.M.I.M.
Responsible for financial state of Department Environmental Engineering and Mechanical Engineering



Main activities and responsibilities

- lecture: Raw materials for industrial process, Management of industrial waste, Specific equipment in the food industry / biochemical engineering;
- coordination work of: seminar, project and laboratory
- coordination scientific works of students for Scientific Session
- helped coordinate of projects of diploma, students from E.P.I. and I.P.M.I. specialization;
- Scientific editor of the volume – „Modeling and optimization in the machine building field” – MOCM 2001-2006, published under the Romanian Academy, Iasi Branch, Bc magazine, CNCSIS accredited and rated in databases Viniti - Russia and CSA – USA;
- Scientific editor of the volume – „Journal of Engineering Studies and Research” – JESR 2006-present, published under the Romanian Academy, Iasi Branch, Bc magazine, CNCSIS accredited and rated in databases Viniti - Russia and CSA – USA

Name and address of employer „Vasile Alecsandri” University of Bacau

Type of business or sector Education

Period September 2001 - February 2004

Occupation or position held Assistant PhD. eng., „Vasile Alecsandri” University of Bacau, Faculty of Engineering, Department I.M.I.M.

Main activities and responsibilities

- coordination work of: seminar, project and laboratory
- coordination scientific works of students for Scientific Session
- helped coordinate of projects of diploma, students from U.T.I.A. and I.M.I. specialization;
- Scientific editor of the volume – „Modeling and optimization in the machine building field” – MOCM 2001-2006, published under the Romanian Academy, Iasi Branch, Bc magazine, CNCSIS accredited and rated in databases Viniti - Russia and CSA – USA;

Name and address of employer „Vasile Alecsandri” University of Bacau

Type of business or sector Education

Period October 1998 - September 2001

Occupation or position held Preparator PhD eng., „Vasile Alecsandri” University of Bacau, Faculty of Engineering, Department I.M.I.M.

Main activities and responsibilities

- coordination work of: seminar, project and laboratory
- helped coordinate of projects of diploma, students from U.T.I.A. and I.M.I. specialization;

Name and address of employer „Vasile Alecsandri” University of Bacau

Type of business or sector Education

Education And Training

Period **1 November 1998 - 11 November 2006**

Qualification / diploma Ph.D. engineer

Principal subjects / occupational skills PhD - mechanical engineering field
topic: "Contributions to the aerodynamic sorting of agricultural products"

Name and type of education / training provider "Gheorghe Asachi" Technical University of Iasi

Period **1998 – 1999**

Qualification / diploma Postgraduate Diploma

Principal subjects / occupational skills Specialization: Logistics industrial systems.

Name and type of education / training provider University of Bacău

Period **1994 – 1998**



Qualification / diploma Engineer
 Principal subjects / occupational skills Specialization: Technological equipment for process industries
 Name and type of education / training provider University of Bacău

Personal skills and competences

Mother tongue(s) Romanian

Other language(s)

European level (*)

UNDERSTANDING		SPEAKING		WRITING
Listening		Reading	Spoken interaction	Spoken production
english	C1/2	C1/2	B1/2	C1/2

(*)Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user

Common European Framework of Reference for Languages

Social skills and competences

Communication and relationship: selecting the approach and methods most proper, adapt to new and unexpected situations; the identification of individual particularities and group of interlocutors; mediation and conflict negotiation; modeling my behavior taking account the interlocutors position
 I formed and developed these skills in a professional context.

Group working. I was part on diverse groups working in nationally and internationally research projects.

Organisational skills and competences

Leadership skills and coordination.
 - From 06.02.2018 - present, Department Director - Department of Environmental Engineering and Mechanical Engineering
 - From 31.05 2010 – present - Responsible with Waste management at the „Vasile Alecsandri” University of Bacau (Decision no. 199/2010)
 - assess the level of safety and security risk
 - the coordinator of students groups in teaching and scientific activities

Technical skills and competences

- Design of process equipment
 - Risk and industrial security (and safety risk evaluators)
 - Safety Inspector
 - Auditor of management systems: the quality, environment, safety and occupational safety, social responsibility, information security, food safety

Computer skills and competences

PC operation:
 - MS Office (Word, Excel, Power Point, Outlook).
 - Software used to perform simulations: SolidWorks, Cosmos, NX, Gambit, Fluent, Working Model 2D, Engineering Equation Solving, OriginLab, Ansys, ComSol, Adina
 - Software used for modeling and mathematical processing: Table Curve 2D și 3D, Sigmaplot, Design Expert, Matchad.
 - communication: Internet Explorer, Opera, Outlook Express, Mozilla, Safari,

Driving licence

Category B



Publications:

- author or co-author of 24 articles ISI
- author or co-author of 11 ISI articles proceeding articles;
- author or co-author of over 70 scientific papers published in various publications and in some scientific events in our country;
- author or co-author of over 30 scientific papers published in various scientific events from worldwide;
- author or co-author of 12 books related to environmental and mechanical engineering
- h-index – 6;
- i10-index – 1.

Study and study visits abroad, internships:

1. Erasmus + - 16 - 19 April 2018- Technical University of Warsaw, Poland, lecture "How to analyze a movie recording an industrial process"
2. Erasmus + - May 28 - June 2, 2017 - "Angle Kanchev" University of Ruse, Bulgaria, lecture "Data processing method for the behavior of solid particles in an industrial process using mathcad software".
3. Erasmus + - 23 - 28 April 2017 - Technical University of Warsaw, Poland, lecture "Data processing method for the behavior of solid particles in an industrial process using mathcad software".
4. Erasmus + - 8 - 14 May 2016- Technical University of Warsaw, Poland lecture "The waste management".
5. Erasmus + - 21 March - 25 March 2016 - State University of Moldova, lecture "The waste management"
6. Erasmus + - April 19 - April 25, 2015 - Technical University of Warsaw, Poland, lecture "Method for the study of the behavior of solid particles in industrial processes".
7. ERASMUS - April 27 - May 10, 2014 - INTENSIVE PROGRAM in T.E.I. of Patras - Greece, lecture "Sustainability in Existing Buildings"
8. RELWAY IP - 14 - 27 April 2013 - Intensive Program in Paris at Universite Paris 13 - Paris Nord-France, IUT de Saint-Denis, lecture "Green products for sustainable development"
9. Traineeship - 24 - October 27, 2012 The Technological Educational Institute of Patras "- Greece, lecture " Green products for sustainable development "
10. RELWAY IP - 6 - 12 May 2012 - Intensive Program in Paris at Universite Paris 13 - Paris Nord-France, IUT de Saint-Denis, lecture "Green products for sustainable development"
11. Intensive Program "The Future of Energy in Europe" - 18 - 31 October 2009 Hanze University Groningen, lecture "Applying the concept of sustainable development in Romanian"
12. Traineeship - Monitoring, April 21-25, 2008: University of Limoges - France, lecture "Studies on the aerodynamic separation of solid particles after their size", Socrates Erasmus
13. Doctoral training course, University of Zaragoza, Spain, February - May 2004
14. Intensive Program – 2003, "Modern computer application in mechanical engineering", Fachhochschule Stalsund – Germania

Research Contracts:

46 contacts from which: 1 with Bacău Town Hall (member); 3 POSDRU (member); 1 international (member); 4 grants (member); 36 with commercial companies (of which 7 as project director)

Qualifications:

- Auditor of the management systems: quality, environment, health and occupational safety;
- Risk assessor, health and safety at work;
- Safety Inspector.

01.08.2018

Conf. univ. dr. ing. Emilian Moşneguţu



REPRESENTATIVE WORKS

1. Dragan Milenkovic, Predrag Dašić, Valentin Nedeff, Emilian Moşneguţu, Analysis of regression models of maximal adsorption on high-porosity adsorbents with and without ultrasound application, *Revista de Chimie Bucureşti, România*, ISSN 0034-7752, Vol 60, Nr. 7/2009, pag. 706-710
2. Narcis Bârsan, Valentin Nedeff, Emilian Florin Moşneguţu, Mirela Panainte, Heat balance components of a small sequencing batch reactor applied for municipal wastewater treatment, *Environmental Engineering and Management Journal*, vol. 11, nr. 12, 2012, pag. 2131-2138
3. V Nedeff, E Mosnegutu, C Tomozel, A Pal, F Samoila, Design and implementation of a fixed system for video-acoustic monitoring of urban noise pollution, *Annals of DAAAM for 2012& Prodeedings of the 23rd International DAAAM Symposium*, vol. 23, no. 1, 2012
4. Ovidiu Bontas, Valentin Nedeff, Emilian Florin Moşneguţu , Mirela Panainte, Oana Tirtoacă Irimia, Behaviour of solid particles on a flat oscillating surface, *Environmental Engineering and Management Journal*, January 2013, vol. 12, nr. 1, pag. 17-22
5. Irimia Oana Tirtoaca, Tomozei Claudia, Panainte Mirela, Emilian Florin Mosnegutu, Narcis Barsan, Efficiency of filters with different filtering materials: comparative study in water treatment, *Environmental Engineering And Management Journal*, vol. 12, nr. 1, January 2013, pag. 35-39
6. Turcu M., Nedeff V., Barsan N., Moşneguţu E.F., Panainte M., Application of organic flocculants for the treatment of sludge from municipal wastewater treatment plants. *Environmental Engineering and Management Journal*, vol. 12, nr. 1, January 2013, pag. 163-166
7. Panainte, M., Stănilă, M., Moşneguţu, E., Irimia, O., Capşa, D., Nedeff, F., Tomozei, C., Joiţa, I., Telibaşa, G., Monitoring emissions from large combustion plants, *Environmental Engineering and Management Journal* Volume 13, Issue 7, 2014, Pages 1657-1663, impact factor 1.065
8. Nedeff, V., Lazar, G., Agop, M., Mosnegutu, E., Ristea, M., Ochiuz, L., Eva, L., Popa, C., Non-linear behaviours in complex fluid dynamics via non-differentiability. Separation control of the solid components from heterogeneous mixtures, *Powder Technology*, Volume 269, January 01, 2015, Pages 452-460, impact factor 2.759
9. Turcu, M., Bârsan, N., Moşneguţu, E., Dascălu, M., Chiţimuş, D., Radu, C., Application of the flocculation process in the industrial wastewater treatment, *Environmental Engineering and Management Journal* Volume 15, Issue 3, 1 April 2016, Pages 521-526 impact factor 1,096
10. Mosnegutu, E., Nedeff, V., Bontas, O., Barsan, N., Chitimus, D., Rusu, D., Determination of kinematic indices corresponding to a solid particle on a flat oscillating surface, *IOP Conference Series: Materials Science and Engineering* Volume 147, Issue 1, 2 September 2016, Article number 0121517th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2016; Iasi; Romania; 9 June 2016 through 10 June 2016; Code 123857

