



Curriculum vitae Europass
Personal information

Surname(s) / First name(s)
E-mail(s)

Mironescu, Monica
monica.mironescu@ulbsibiu.ro

Nationality(-ies)

Romanian

Date of birth
Research Gate iD:
ORCID iD

18.08.1970
https://www.researchgate.net/profile/Monica_Mironescu
<https://orcid.org/0000-0002-0515-475X>

Work experience

Period
Occupation or position held
Main activities and responsibilities
Name and address of employer
Type of business or sector

2014- present

Associate professor at Faculty of Agricultural Sciences, Food Industry and Environmental Protection, Department of Agricultural Sciences and Food Engineering
Responsible study field Food biotechnology
Teaching and research in the field of: Food biotechnology // Hygiene // Sugars (sugar, starch and derivatives, confectionery) Technology, Engineering and Quality control, Quality assurance and food safety in sugar, starch and confectionery industry
„Lucian Blaga” University of Sibiu, Romania
Activity as university teaching, scientific activity, didactic activity and research activity in the area of food biotechnology, especially hygiene, starch and confectionery industry. Coordinator for students master and bachelor projects

Period
Occupation or position held
Main activities and responsibilities
Name and address of employer
Type of business or sector

2002- 2013

Lecturer at Faculty of Agricultural Sciences, Food Industry and Environmental Protection
Teaching and research in the field of: Food biotechnology // Hygiene // Sugars (sugar, starch and derivatives, confectionery) Technology, Engineering and Quality control, Quality assurance and food safety in sugar, starch and confectionery industry
„Lucian Blaga” University of Sibiu, Romania
University teaching, scientific activity, didactic activity and research activity in the area of food biotechnology, especially hygiene, starch and confectionery industry. Coordinator for students master and bachelor projects

Period
Occupation or position held
Main activities and responsibilities
Name and address of employer
Type of business or sector

1996- 2002

Assistant at Faculty of Agricultural Sciences, Food Industry and Environmental Protection
Teaching and research in the field of: Microbiology // Starch and Confectionery Technology, Engineering and Quality control
„Lucian Blaga” University of Sibiu, Romania
University teaching, scientific activity, didactic activity and research activity in the area of food biotechnology, especially food microbiology; starch and confectionery industry.

Education and training

Period
Title of qualification awarded

August 2010 – October 2011

Postdoctoral studies with the final work „Researches on starch capitalisation by enzymatic and microbial bioconversion and creation of an expert system in food biotechnology for command and control of starch bioconversion”/ Postdoctoral School for Biodiversity and Food

Biotechnology based on Eco-economy and Bio-economy

Principal subjects/Occupational skills covered

Microbial and enzymatic biotechnology
Command and control of microbial and enzymatic bioprocesses, specialised on starch superior capitalisation

Name and type of organisation providing education and training

Romanian Academy, National Institute for Economical Researches „Costin C. Kiriltescu” / „Lucian Blaga” University of Sibiu, Romania

Period

Title of qualification awarded

October 1997- February 2006

Ph.D in the field Engineering with the thesis “Studies and researches on the production and characterisation of microbial polysaccharides by using the microorganism *Haloferax mediterranei*”, scientific coordinator Prof. Dr. Ing. Vasile Jâşcanu Universitatea Lucian Blaga din Sibiu, Romania, in collaboration with Prof. Dr. Ing. Clemens Posten Technical University of Karlsruhe (actually Karlsruhe Institute of Technology), Germania

Principal subjects/Occupational skills covered

Bioengineering/ Obtaining and characterisation of microbial polysaccharides

Name and type of organisation providing education and training

„Lucian Blaga” University of Sibiu, Romania, Technical University of Karlsruhe (actually Karlsruhe Institute of Technology), Germania

Period

Title of qualification awarded

October 1995 – July 1996

Master

Principal subjects/Occupational skills covered

Special technologies in the food industry

Name and type of organisation providing education and training

„Dunărea de Jos” University from Galaţi, România

Period

Title of qualification awarded

October 1990 - July 1995

Engineering in food industry

Principal subjects/Occupational skills covered

Technologies and equipments in dairy, fermentative, starch and confectionery industry

Name and type of organisation providing education and training

„Dunărea de Jos” University from Galaţi, România

Personal skills and competences

Mother tongue(s)

Romanian

Other language(s)

*Self-assessment
European level (*)*

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	

English

B2 Independent user	B2 Independent user	B2 Independent user	B2 Independent user	B2 Independent user
---------------------	---------------------	---------------------	---------------------	---------------------

German

B1 Independent user	B1 Independent user	B1 Independent user	B1 Independent user	B1 Independent user
---------------------	---------------------	---------------------	---------------------	---------------------

French

B2 Independent user	B2 Independent user	B2 Independent user	B2 Independent user	B2 Independent user
---------------------	---------------------	---------------------	---------------------	---------------------

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

Social skills and competences

Tutorial activity with students. Active participation in 16 national and international projects as director/responsible or member.

Organising competency and skills

- Organisation of the Annual students symposium in the field of Food Technologies (XIX edition in 2019)

- Organisation of the Annual students symposium in the field of Confectionery Technology (XIX edition in 2019)
- Member in the organisation committee of the International Conference “*Agricultural and Food Sciences, Processes and Technologies*”, 2007, 2010, 2012, 2014, 2015, 2017 and of the International Conference Integrated Systems in Agriculture and Food 2007, 2013
- Member in the organisation committee of the International Congress CEFOOD 2018 <http://ceefood.conferences.ulbsibiu.ro/2018/>
- Coordinator of the students’ mobility at Karlsruhe Institute of Technology KIT Germany, Technical University of München Germany, University of Food Technology Plovdiv Bulgaria.
- President in 12 commissions for according the 1st degree at gymnasium professors

Scientific and technical competency

Food biotechnology
 Food hygiene
 Edible films and coatings
 Innovative food and sustainability
 Food sugars (sugar, starch, confectionery)

Researches applications/ published papers:

- 5 books, 3 applicative books for students (in the field of starch and confectionery technology, food microbiology and food hygiene)
- 96 research papers (44 ISI/ISI proceedings and international databases, 52 in international conferences proceedings)

Computers competency and knowledge

Office (Excel, Word, PowerPoint)

Supplementary information

International projects

1. Responsible Partner ULBS international project Erasmus+ Capacity Building in Higher Education, intitulat “*Strategic Platform for Ameliorating Tunisian Higher Education on Food Sciences and Technology*” SPAAT4FOOD, Application Reference Number 585729-EPP-1-2017-1-TN-EPPKA2-CBHE-JP, oct. 2017 – aug. 2020, http://www.academia.edu/34177375/Erasmus_Capacity_Building_in_Higher_Education_Call_2017_EAC_A03_2016_Selection_Year_2017
2. Member to the international project Erasmus+ action KA2 Cooperation for Innovation and the Exchange of Good Practices Strategic Partnerships for Higher Education, entitled “Knowledge triangle for food innovation by harnessing the tradition and assuring sustainability” KNOWinFOOD, identifier 2016-1-RO01-KA203-024797, sep 2016 - feb 2019, <http://knowinfood.grants.ulbsibiu.ro/ro/home/>, <http://ec.europa.eu/programmes/erasmus-plus/projects/eplu-project-details-page/?nodeRef=workspace://SpacesStore/33518701-7133-417c-a41f-0f9afa302fc0>
3. Director to the international mobility grant (Joint research project) “Contemporary methods for control and characterisation of EPS and PHB produced by microorganisms” with Bulgarian Academy of Science, Sofia, Bulgaria, Ian. 2012-Dec.2014
4. Member to the international project Leonardo LLP-LdV/TOI/2013/RO?007; 2013-1-RO1-Leoo5-28756; ID:536962 “Transfer of innovation-European food safety training”, Nov. 2013-Nov.2015, www.efst.eu
5. Member to the international project NUTritional LABELing Study in Black Sea Region Countries, Project number: 318946 - FP7-PEOPLE - 2012 – IRSES, <http://www.nutrilabproject.eu/>
6. Member to the international mobility grant (Joint research project) “Monitoring of biotechnological processes for quality control in the food industry”, with Bulgarian

Academy of Science, Sofia, Bulgaria, ian. 2007- dec. 2010

7. Beneficiary of Socrates/Erasmus grant „Methoden zur Charakterisierung degradierter Stärkemoleküle (Amylopektin) mittels Gel-Permeations-Chromatographie (GPC)“ at Universität Karlsruhe, Institut für Lebensmittelverfahrenstechnik, Karlsruhe, Germania, iun.-aug.2005
8. Beneficiary grant from the Program Kompetenznetz Verfahrenstechnik PRO3, Germania, “Optimierung der fed-batch Kultivierung der Mikroorganismen”, 01.01.-30.09.2002
9. Member international project „Optimisation of batch fermentation processes in food industry“ Topical group K Biotechnology no. 6.K0A.6.A, coordinators Prof. Dr. C. Posten, Universität Karlsruhe, Institut für Mechanische Verfahrenstechnik und Mechanik, Karlsruhe (German partner) and Prof. Dr. R. Tzoneva, PeninsulaTechnikon, Dept. of Electrical Engineering (South Africa partner), 2002

National projects

10. Director to the national research project CNC SIS nr. 473 program "Ideas – Exploratory research" entitled „Cercetări privind producerea, caracterizarea și modelarea structurală și funcțională a polizaharidelor sintetizate de microorganisme extrem halofile - Researches on the production, characterisation and structural and functional modelling of polysaccharides synthesised by extremely halophilic microorganisms”, 2009-2011
11. Expert to POS DRU project 39/3.2/G/ 26960 “Formare profesională continuă în scopul creșterii competitivității organizațiilor din domeniul alimentar privind asigurarea calității proceselor și siguranța alimentului” (Continue professional learning to increase food quality assurance and food safety), 2009-2011.
12. Subproject „Expert system in food biotechnology for command and control of starch bioconversion” in the project POSDRU/89/1.5/S/63258, Postdoctoral School for Biodiversity and Food Biotechnology based on Eco-economy and Bio-economy, 2010-2011
13. Member to the research project PNCDI2 no. 91-011 “Produse și tehnologii ecologice pentru conservarea integrată a patrimoniului cultural național arhitectural din zona Sibiu-Capitală culturală europeană 2007” (Ecological products and technologies for integrate preservation of the national architectural heritage in the region Sibiu-European cultural city), 2007-2010
14. Member to the research project CEEEX 3822 no. 135/2005-2008 „ Tehnologii moderne neconvenționale, conforme cu reglementările europene, de epurare a apelor uzate și de tratare a nămolului rezidual în scopul reutilizării acestuia” (Modern non-conventional technologies, in accordance with the European legislation, for wastewater cleaning and treatment of residual mud for reutilisation), 2008-2010
15. Member to the research project AGRAL nr. 2032/2004-2007 „Studii privind reevaluarea și elaborarea de soluții pentru valorificarea lacurilor de la Ocna Sibiului ca obiectiv turistic, balneoclimateric și de agrement turistic” (Studies on re-evaluation and finding solutions for the capitalisation of Ocna Sibiului lakes as touristic and climatic objective), 2004-2007
16. Member to the research project 7659/2001 with ANSTI, " Sistem de asistarea a deciziei la conceperea și conducerea proceselor de obținere enzimatică a siropurilor de glucoză” (Decision support system at command and control processes for the enzymatic obtaining of glucose syrups), 2001
17. Member to the research project 27/1998 theme 9 code CNCSU 196 " Mediu virtual de învățare pentru industria zahărului” (Learning virtual environment for sugar industry), 1998

Courses and specialisations

- 2014-2015 Post-university courses in the project "Universitaria - Școala de didactică universitară și cercetare științifică” (Universitaria – School of university didactic and scientific research), Project ID: POSDRU 157/1.3/S/135590
- 2012-2013 Post-university courses in the project “Școală universitară de formare inițială și continuă a personalului didactic și a trainerilor din domeniul specializărilor tehnice și ingierești” (University school for initial and continue formation of teachers in

- the technical and engineering field), DidaTec, project POSDRU/87/1.3/S/60891
- 2013 Post-university classes in the project "Dezvoltarea și implementarea unui program-pilor integrat pentru creșterea accesului la învățământul superior pentru persoane cu dizabilități" (Developing and application on an integrated pilot-program for increasing the access to high education for persons with disabilities), project POSDRU/86/1.2./S/63951
 - 2012-2013 Post-university classes in the project "Excelență academică în învățământul la distanță și învățământul cu frecvență redusă – un demers pentru calitate" (Academic excellence in the long-distance learning – an ask for quality), project POSDRU/86/1.2/S/61878
 - Oct 2010-sep 2011 Post-university classes in the project POSDRU/89/1.5/S/63258, Școala Postdoctorală pentru Biodiversitate Zootehnică și Biotehnologii Alimentare pe baza Ecoeconomiei și Bioeconomiei necesare Ecosanogenezei (Postdoctoral School for Biodiversity and Food Biotechnology based on Eco-economy and Bio-economy)
 - 2009 Course "Advanced methods in polysaccharides research", Turku-Abo, Finlanda
 - 2009 Course „Food hygiene, from equipment design to GHP implementation”, Bucharest, organised de EHEDG, INMA, USAMV Bucharest, IBA and ASAS
 - 2005 Course Lebensmittelverfahrenstechnik - Prof. Dr. Ing. Heike Schuchmann, Universitatea „Fridericana” Karlsruhe (TH), Germania
 - 2005 Course Einführung in Rheologie - Dr. Ing. Bernard Hochstein, University „Fridericana” Karlsruhe (TH), Germany
 - 2005 Course Managementul proiectului (Project management)– Conf. Dr. Dumitrașcu Dan, University „Lucian Blaga” Sibiu, Romania
 - 2001 Course Integrierte Bioprozesse - Prof. Dr. Ing. Clemens Posten University „Fridericana” Karlsruhe (TH), Germany
 - 2001 Course „LabView” – specialist from NI Instruments

Research stages abroad

22 aug. – 22 sep. 2011: research stage at Institute of System Engineering and Robotics , Bulgarian Academy of Science, Sofia, Bulgaria

1 june-31 august 2005: research stage as Erasmus student at the Food Engineering Institute, Technical University of Karlsruhe, Germany, professor Heike Schuchmann, finalised with the research work „Characterization of degraded starch molecules using Gel Permeation Chromatography (GPC)”

1 january 2001 – 31 sep. 2002: doctoral research stage at the Institute for Bioengineering, Technical University of Karlsruhe, Germany, professor Clemens Posten

1 march – 31 august 2000: research stage at the Institute for Bioengineering, Technical University of Karlsruhe, Germany, professor Clemens Posten, finalised with the research work “CO₂ Gleichgewicht in biologische Medien”.

Students contests

- Participation with students at the national contest Ecotrophelia 2014, local phase ULBS, where the students coordinated by me won the prizes I and III, and then at the national phase, the third prize and the special prize "Expergo Innovation Award" for the best product with the best integrated sensory attributes for the product *Mirabelle – chocolate candies with interior Mirabelle jam, goji and apricot kernels*
- Participation with students at the national contest Ecotrophelia 2018, local phase ULBS, where the students coordinated by me won the prize I and then at the national phase, the fourth place with the product *Sweet Hermannstadt – flavour from nature: starch-based jelly with essential oils*
- Participation with students at the national contest Ecotrophelia 2019, local phase ULBS, where the students coordinated by me won the prize I, and then participation at the national phase with the product *SIBBAR- sustainable cereal bar*

Presence in the journals committees

Managing editor to the journal „ Acta Universitatis Cibiniensis. Series E: Food Technology”, <http://www.degruyter.com/view/j/aucft>

Inventions

- First author to the invention "Biofilm polizaharidic cu acțiune antimicrobiană" (Polysaccharide biofilm with antimicrobial action), registered to OSIM with no. RO 127620-A0.
- Member to the invention „Compozitii biocide pentru reabilitarea conservativa a fatadelor biodeteriorate ale edificiilor de piatra si zidarie veche” (Biocidal compositions for preserving stone and brick old buidings) registered to OSIM with no. RO 127610-A2.

Member in scientifically organisations

Societatea Română de Biologie Celulară SRBC (Romanian Society for Cell Biology)
Asociația Specialiștilor de Industrie Alimentară din România ASIAR din învățământ, cercetare și producție (Association of specialists from the food industry in Romania in education, research and production)
Centrul de Cercetare în Biotehnologii și Inginerii Alimentare, ULBS (Research centre in biotechnology and food technology) CCBIA

30.4.2020

Assoc Prof. Dr. Ing. Monica MIRONESCU

