

PERSONAL INFORMATION



Oancea Simona

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OCCUPATION OR POSITION HELD

Employer's name and address

**Professor, PhD, *Habil.***

Faculty of Agricultural Sciences, Food Industry and Environmental Protection, „Lucian Blaga” University of Sibiu / 7-9 Dr. Ion Ratiu street, 550012 Sibiu, Romania

WORK EXPERIENCE

**Teaching assistant/ Lecturer/ Associate professor/ Professor: 1992 – present**

Faculty of Agricultural Sciences, Food Industry and Environmental Protection, „Lucian Blaga” University of Sibiu / 7-9 Dr. Ion Ratiu street, 550012 Sibiu, Romania

- Educational and research activities in the field of Biochemistry, Toxicology, Immunology and related; research projects' management; editorial activity for the scientific journal Acta Univ. Cib. Food Technology; guidance and counselling activities for students.

EDUCATION AND TRAINING

*Habilitation*  
Postdoctoral studies

- in Industrial Engineering, „Lucian Blaga” University of Sibiu, Romania
- in Biochemistry/Biotechnology, with the thesis „Sustainable use of anthocyanins identified in the biodiversity of plants from natural and anthropogenic ecosystems, relevant for obtaining food products with ecosanogenetic potential”, National Institute of Economic Research INCE of the Romanian Academy, Bucharest, Romania (2012)

Ph.D.

- in Peptide Chemistry, with the thesis “Ingegneria dei peptidi: sistemi elicoidali rigidi come spaziatori e templati in chimica bioorganica e nella scienza dei materiali”, University of Padova, Italy (2003)

Bachelor's Degree  
Trainings

- in Chemistry, with the thesis "Syntheses of natural oligopeptides and analogues with potential biological activity", University of Bucharest, Romania (1999)
- in Biochemistry, Faculty of Chemistry, University of Bucharest, Romania (1991)

- 25 – 29 April 2013: Course on “Educational mentoring training program to train teachers in higher education who work with people with disabilities, Central Romanian Region” in the framework of the project “Development and implementation of an integrated pilot program to increase access to higher education for people with disabilities”, Sibiu, Romania
- April 2013: Course on “Academy of knowledge-based entrepreneurship”, in the framework of the project “Academy of knowledge-based entrepreneurship”, Sibiu, Romania
- 1 February 2011 - 1 April 2012: **Postdoctoral fellowship, National Institute of Economic Research INCE of the Romanian Academy**, Bucharest, Romania, thesis title "Sustainable use of anthocyanins identified in the biodiversity of plants from natural and anthropogenic ecosystems, relevant for obtaining food products with ecosanogenetic potential", research in the field of Biochemistry, Food Biotechnologies
- 2012: Course on "Introduction in the ID/IFR technologies and the concepts of eLearning, Blended Learning, Open and Distance Learning" in the framework of the project “Academic excellency in distance learning – a quality request” Sibiu, Romania
- 2012: Course on training and specialization for editing ID/IFR materials in the framework of the project “Academic excellency in distance learning – a quality request” Sibiu, Romania
- 2012: Course on training and specialization in quality management in the framework of the project “Academic excellency in distance learning – a quality request” Sibiu, Romania
- 2012: Course on training and specialization in use of ID/IFR platform and TIC technology for planning, organization and development of educational processes, in the framework of the project “Academic excellency in distance learning – a quality request” Sibiu, Romania
- 20 November 2012: Program on “New aspects on health promotion in industrial collectivities” Physicians College of Sibiu, Romania
- 29 September 2011: Training Course "Assuring the quality of test results. The practical implementation of section 5.9 of the EN ISO/IEC 17025 Standard", Iași, Romania, 29 sept. 2011;

- Trainers: P. Bode (Delft University of Technology, the Netherlands) and P. de Bievre (Accreditation and Quality Assurance Journal of Quality, Comparability and Reliability in Chemical Measurement SPRINGER, Belgium), organized by CEPROCIM, AFSIC ULBS and ANCS
- 24 September 2011: Specialization Course on "Prevention of professional and general risk to exposure to biological agents in health care facilities", "Lucian Blaga" University of Sibiu, Romania
  - 18 July – 29 August 2011: Research visit in the framework of the project POSDRU/89/1.5/S/63258 of the INCE of Romanian Academy, Bucharest, in the field of chemical characterization of anthocyanins, University of Padova, Italy
  - 25 March 2011: Specialization Course on "Take care of your health. Together for assuring health at workplaces" as part of the Regional Conference on Information and Communication, in the framework of the project POSDRU/39/3.2/G/22802, Romtens Bucharest, Romania
  - 19 June – 1 July 2009: Research visit in the field of bioactive peptides, in the framework of the project PNII-ID-476, University of Padova, Italy
  - 18 September 2009: Training Course "Statistics in PT – From homogeneity and stability testing to consensus means and proficiency assessment", Sibiu, Romania; trainers M. Koch (Stuttgart University, Germany) and P. Robouch (Institute for Reference Materials and Measurements, Belgium), organized by CEPROCIM, ULBS and ANCS
  - 28 – 30 November 2006: Specialization Course on "Current aspects on occupational health in a multidisciplinary view" in the framework of the PHARE project "Improvement of the efficiency of the Romanian system for occupational health surveillance and control of occupational diseases, work related diseases and injuries due to occupational risk"
  - 15 November 2006: Specialization Course on "Communication of professional risk: good practises of information and communication", Public Health Direction of Sibiu, Romania
  - 11 – 15 March 2005: Postgraduate Course on "Project Management", "Lucian Blaga" University of Sibiu
  - 2000-2003: Postdoctoral fellowships at the University of Padova, Department of Chemical Sciences, Italy, research project "Ingegneria dei peptidi: sistemi elicoidali rigidi come spaziatori e templat in chimica bioorganica e nella scienza dei materiali"
  - 16 September – 14 December 1998: Phare-Tempus fellowship at the University of Padova, Italy, project "Preparation of teaching materials"
  - 4 November – 13 December 1996 : Soros fellowship at the University of Padova, Department of Chemical Sciences, Italy, research field of "Conformational studies of bioactive peptides"
  - 30 April – 5 May 1995 : Soros fellowship at the Advanced FEBS Course on "Methods in protein structure analysis", University of Athens, Greece, organized by the Federation of European Biochemical Societies (FEBS)

PERSONAL SKILLS

Known languages

English, Italian, German

Professional skills

Professional activities carried out at the "Lucian Blaga" University of Sibiu led to the acquisition of skills in Biochemistry, Toxicology, Biology, Immunology, the scientific research being oriented towards:

- investigation and utilization of plant bioactive compounds, in particular anthocyanins for obtaining of functional foods; optimization of extraction ; characterization
- natural antioxidants; health promotion through healthy diet
- study of bioactive peptides of fungal origin which contain C<sup>α,α</sup>-tetrasubstituted amino acids
- novel antimicrobial agents, natural and/or synthetic; biomedical and technological applications (textiles)
- natural pigments extracts applied in textile eco-dying
- innocuity of food products
- immunochemical methods for detection of food fraud
- physical chemical and toxicological studies of surface waters
- enzymatic biomarkers for characterization of polluted soils

Organisational / managerial / communication skills

- management of research projects
- Scientific secretary of the Research Center in Food Biotechnology and Engineering <http://www.ccbia.ulbsibiu.ro/pages/romana/despre-noi/echipa.php> "Lucian Blaga" University of Sibiu, Romania
- Editor of Advisory Committee of the scientific journal "Acta Universitatis Cibiniensis, Series

- E, Food Technology" <http://www.degruyter.com/view/i/aucft> edited by "Lucian Blaga" University of Sibiu, Romania
- member of the Steering Committee – Scientific Group of the "International Proficiency Testing Conference" held in Romania;
- member of the Editorial board of the Proceedings of the International Conference "Agricultural and Food Sciences, Processes and Technologies", Sibiu, Romania
- coordination of students' scientific and research activities in the field of Biochemistry, Toxicology, Immunology and coordination of graduation and dissertation theses in the field of Ecological Biochemistry

Other skills

- Expert evaluator of research projects PCE-II-IDEI/Partnerships (UEFISCDI) Romania
- Visiting professor at the University of Padova, Italy
- Peer-reviewer for international journals (ISI and IDB))
- "Chairman" at the International Proficiency Testing Conference 2011, Romania
- Certificate of English TWE / TOEFL (1995)
- Certificat of English, Faculty of Letters and Arts, "Lucian Blaga" University of Sibiu, Romania (2007)

ADDITIONAL INFORMATION

Publications

- Profile address: <http://www.researcherid.com/rid/D-4541-2013>
- 178 total number of articles, as author and co-author
- 9 books, as author and co-author (1 book edited by LAP Lambert)
- 13 chapters in books, from which 2 in a book edited by Wiley Verlag, LAP Lambert and 6 in books edited by the Romanian Academy Press
- In accordance to *Web of Science / Web of Knowledge*:  
68 articles published in ISI quoted journals and ISI Proceedings  
326 citations (without self-citations)  
Index Hirsch: **9** (*Web of Science, Scopus*), **11** (*Google Academic*)

Research projects

- Participation in research projects, as director/coordinator or as team member:
- Romanian Coordinator of the Scientific and Technological Bilateral Cooperation project Romania-Italy, "Peptaibiotics, an alternative to beta-lactam antibiotics: design, synthesis, bioactivity and textile functionalization" UEFISCDI, "Lucian Blaga" University of Sibiu, Romania
  - director of the national project, PN-II-ID-PCE-2011-3-0474 2012-2014, "Research on anthocyanin bioactives from food plants, as useful tools for stabilization of polyunsaturated edible oils and for obtaining eco-textiles", UEFISCDI, "Lucian Blaga" University of Sibiu, Romania
  - member (Key Expert/chemist and consultant) of the research-development project, contract no. 2047/21.06.2011, "Preparation of the Study on the quality of water and Registry of polluters and Programme of measures for preservation of the Timis river, source to border", "Lucian Blaga" University of Sibiu and Caransebeş Municipality, Romania
  - postdoctoral fellowship 2011-2012 (Contract no. 65/31.01.2011) "Sustainable use of anthocyanins identified in the biodiversity of plants from natural and anthropogenic ecosystems, relevant for obtaining food products with ecosanogenetic potential", POSDRU/89/1.5/S/
  - member of the research project 4011/2008-2011, "Sustainable concept-healthcare model in decentralized locations by the Hosman village model, Romania", German Federal Foundation for Environment (DBU), Projection Office Holzapfel, Kirchheim, Germany, and the "Lucian Blaga" University of Sibiu, Romania
  - director of the national research project PN-II-ID-PCE, ID-476, nr. 524/2009, 2009-2011, "New pharmaceutically and textiles relevant  $3_{10}$  helical peptidic structures with antimicrobial activity", CNCSIS, "Lucian Blaga" University of Sibiu, Romania
  - member of the national research project CEEX nr. 135/2006, Program BIOTECH, 2006-2008, «Modern non-conventional technologies, in agreement with European regulations, of wastewater and sewage sludge treatments with the purpose to reuse it», "Lucian Blaga" University of Sibiu, Romania
  - fellowship in research project ACER 0111-0123 2003, "Preparation of conformationally stable peptides and use as catalysts in chiral syntheses", DSM Research BV, Geleen, The Netherlands & University of Padova, Italy
  - member of the research project MURST-PRIN 2002-2004, "Sistemi peptidici supramolecolari multivalenti" ("Multivalent supramolecular peptide-based systems"), University of Padova, Italy
  - member of the research project MURST-PRIN 2000-2002, "Sistemi supramolecolari basati su foldameri oligopeptidici" ("Supramolecular systems based on oligopeptide foldamers"), University of Padova, Italy

## Conferences / congresses / seminars

- member of the research project "Ex 60%" 2000-2004, "Nuovi amminoacidi e peptidi per applicazioni in chimica bioorganica" ("New amino acids and peptides for bio-organic applications"), University of Padova, Italy
- postdoctoral fellowship of the research contract ASS. RIC. 2000-2002, "Ingegneria dei peptidi: sistemi elicoidali rigidi come spaziatori e templati in chimica bioorganica e nella scienza dei materiali", University of Padova, Italy
- coordinator of the grant PHARE- TEMPUS IMG-97-RO-2008, 16 sept.-14 dec. 1998, "Preparation of teaching materials", University of Padova, Italy
- member of the national research grant CNSCU, Nr. 7009/1997, "Synthesis of oligopeptides with potential antimicrobial activity and of heteroaromatic compounds as auxiliaries for chromogenic peptides with the purpose of evaluation of hydrolases activities", CNSCU, University of Bucharest, Romania
  - 114 papers presented at national and international conferences / congresses in the field
  - Participation at National and International Exhibition of Inventions and Conference of Inventions (ProInvent, EuroInvent, Inventica 2015-present) – Gold and Silver Medals for inventions

## Seminars

Invited seminars at the University of Padova, Italy:

- "Innovation in ecologic functionalization/bioactivation of surfaces of textiles" (2014)
- "Antibiotic resistance and susceptibility testing" (2013)
- "Antimicrobial agents: new design strategies and applications" (2013)
- "Evaluation of anthocyanins in plant foods: a useful task for estimation of their intake and health promoting benefits" (2011)
- „Adverse effects of chemical agents on human health: a case study of occupational lead exposure" (2009)

## Honours and awards

- "Certificate of excellency" for the presentation "The importance of food safety and health in agri-food supply chains. Consumer perspectives on health food products", 5<sup>th</sup> International Conference "Integrated Systems for Agri-food Production" (SIPA 2007)
- Prize for the best presentation at the Conference "From Genes to Molecules", Siena, Italy (2002)
- Nominalizations: "International scientist of the year for 2006", IBC, Cambridge, England, "Leading scientists of the world", "Leading educators of the world", IBC, Cambridge, England, 2006; mentioned in the "49<sup>o</sup> Annuario 1996-97 Collegio Universitario Don Nicolo Mazza", Padova, Italia, pag. 26, in the "23<sup>rd</sup> 2006 Edition of Who's Who in the World", in the "2000 Outstanding intellectuals of the 21<sup>st</sup> century", 2006, IBC, Cambridge, England.

## Memberships

- Romanian Society of Biochemistry and Molecular Biology SRBBM (associated to the international organization FEBS)
- Romanian Society of Cellular Biology (SRBC)
- Society of Chemistry of Romania (SChR)
- Association of Food Industry Professionals in Romania, in Education, Research and Production (ASIAR)
- Società Chimica Italiana, Divisione di Chimica dei Sistemi Biologici, Italy (2001-2002)