

CURRICULUM VITAE

OANCEA SIMONA

Profile address: <http://www.researcherid.com/rid/D-4541-2013>

1. DATE OF BIRTH, EDUCATION AND TRAINING

Date and place of birth: April 26, 1968, Sibiu/Romania

Education:

1982-1986: "Octavian Goga" High School, profile chemistry-biology, Sibiu/Romania (baccalaureate degree)

1986-1991: University of Bucharest, Faculty of Chemistry – Biochemistry profile; undergraduate thesis title: "*Isolation, purification and antifungal properties of lectin and protease inhibitors from potato*"; Bachelor's degree in Chemistry – Biochemistry (Diploma Series J No. 50, No. 100/10.VII.1991)

Known languages:

English: TOEFL (score 567) and TWE (score 5/6) certificates; "*Certificate of English knowledge*" of the "Lucian Blaga" University of Sibiu/Romania, Faculty of Letters and Arts, Department of British and American Studies (score 18/20)

Italian: (reading: proficient user, writing: proficient user, speaking: proficient user)

German: (reading: independent user, writing: independent user, speaking: independent user)

Scientific degrees:

1999: Ph.D. in Chemistry, Ph.D. thesis title "*Synthesis of natural oligopeptides and analogues with potential biological activity*", University of Bucharest/Romania (Diploma Series R No. 0003878, No. 301, 27.08.1999)

2002: Postdoctoral studies in Peptide Chemistry, "*Ingegneria dei peptidi: sistemi elicoidali rigidi come spaziatori e templati in chimica bioorganica e nella scienza dei materiali*", University of Padova, Italy (Assegno di ricerca 2000-2002)

2013: Postdoctoral diploma, in Biochemistry/Food Biotechnologies, postdoctoral fellowship in the framework of the project POSDRU-89-1.5-S-63258, 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*", National Institute of Economic Research INCE of the Romanian Academy, Bucharest/Romania and "Lucian Blaga" University of Sibiu/Romania (Certificate of Postdoctoral Studies series A, No. 060, 27.02.2013)

Trainings and experiences:

Training	Dates	Name and type of organization providing training
Course on "Academy of knowledge-based entrepreneurship", in the framework of the project "Academy of knowledge-based entrepreneurship" POSDRU/92/3.1/S/56330	April 2013	"Lucian Blaga" University of Sibiu, Romania
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" POSDRU/86/1.2/S/63951	April 25-29, 2013	"Lucian Blaga" University of Sibiu, Romania
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" POSDRU/86/1.2/S/61878	2012	"Lucian Blaga" University of Sibiu, Romania
Course on training and specialization for editing ID/IFR materials in the framework of the project "Academic excellency in distance learning – a quality request" POSDRU/86/1.2/S/61878	2012	"Lucian Blaga" University of Sibiu, Romania
Course on training and specialization in quality management in the framework of the project "Academic excellency in distance learning – a quality request" POSDRU/86/1.2/S/61878	2012	"Lucian Blaga" University of Sibiu/Romania
Training Course "Assuring the quality of test results. The practical implementation of section 5.9 of the EN ISO/IEC 17025 Standard"	September 29, 2011	Iași, Romania Trainers: P. Bode (Delft University of Technology)

		Technology, the Netherlands); P. de Bievre (Accreditation and Quality Assurance Journal of Quality, Comparability and Reliability in Chemical Measurement SPRINGER, Belgium)
<i>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" POSDRU/86/1.2/S/61878</i>	2012	"Lucian Blaga" University of Sibiu, Romania
Specialization Course on "New aspects on health promotion in industrial collectivities"	November 20, 2012	Physicians College of Sibiu, Romania
Specialization Course on " <i>Prevention of professional and general risk to exposure to biological agents in health care facilities</i> "	September 24, 2011	"Lucian Blaga" University of Sibiu, Romania
Research visit supported through the project POSDRU/89/1.5/S/63258 (INCE Romanian Academy Bucharest), in the field of chemical characterization of anthocyanins	July 18 – August 29, 2011	University of Padova, Italy
Workshop " <i>Postdoctoral research in the field of life sciences, based on biodiversity and eco-sanogenesis</i> " International Biodiversity Day, POSDRU-89-1.5-S-63258	May 21, 2011	"Vasile Goldiș" University of Arad, Romania
Specialization Course on " <i>Take care of your health. Together for assuring health at workplaces</i> " 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)	March 25, 2011	Public Health Direction of Sibiu, Romania
Postdoctoral research, project title " <i>Sustainable use of anthocyanins identified in the biodiversity of plants from natural and anthropogenic ecosystems, relevant for obtaining food products with ecosanogenetic potential</i> " POSDRU-89-1.5-S-63258	February 1 2011- April 1, 2012	National Institute of Economic Research INCE of the Romanian Academy, Bucharest, Romania and "Lucian Blaga" University of Sibiu/Romania
Research visit supported through the project PNII-ID_476 (Lucian Blaga University of Sibiu, Romania) in the field of <i>antibacterial peptides</i>	June 19– July 1, 2009	University of Padova, Italy
Training Course " <i>Statistics in PT – From homogeneity and stability testing to consensus means and proficiency assessment</i> "	September 18, 2009	"Lucian Blaga" University of Sibiu Trainers: Michael Koch , Stuttgart University, Germany; Piotr Robouch , Institute for Reference Materials and Measurements of the Joint Research Centre European Commission, Belgium
Specialization Course on " <i>Current aspects on occupational health in a multidisciplinary view</i> " 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"	November 28-30, 2006	Public Health Direction of Sibiu, Romania
Specialization Course on " <i>Communication of professional risk; good practises of information and communication</i> "	November 15, 2006	Public Health Direction of Sibiu, Romania
Postgraduate Course on " <i>Project Management</i> "	March 11 - March 15, 2005	"Lucian Blaga" University of Sibiu, Romania
Specialization on " <i>Preparation of teaching materials</i> "	September 6 – December 14, 1998	University of Padova, Italy (Grant Phare-Tempus)
Research visitor in the field of " <i>Conformational studies of bioactive peptides</i> "	November 4 – December 13, 1996	University of Padova, Italy (Soros fellowship)
Advanced FEBS Course on " <i>Methods in protein structure analysis</i> "	April 30- 5 May, 1995	University of Athens; Greece, organized by the Federation of European Biochemical Societies (FEBS)
Specialization Course on " <i>Modern aspects in biophysical chemistry</i> "	October 1990- January 1991	University of Bucharest, Faculty of Chemistry – Biochemistry, Romania

2. WORK EXPERIENCE

Occupation or position held	Name of employer	Dates	Main activities and responsibilities
Biochimist	Research Institute for Mountainous Zone, XIII 53, Cristian, Sibiu, Romania	November 1 1991-February 24, 1992	research in biochemistry, chemical analyses of biosamples (blood, feed)
Teaching assistant	"Lucian Blaga" University of Sibiu, Romania, Faculty of Agricultural Sciences, Food Industry and Environmental Protection	February 25 1992-September 30, 1998	didactic and research activities (Biochemistry, Toxicology, Immunology)
Lecturer	"Lucian Blaga" University of Sibiu, Romania, Faculty of Agricultural Sciences, Food Industry and Environmental Protection	October 1 1998-February 28, 2007	didactic and research activities (Biochemistry, Toxicology, Immunology)
Researcher (postdoctoral studies)	University of Padova, Italy, Department of Chemical Sciences	2000-2003	research in peptides chemistry
Associate professor	"Lucian Blaga" University of Sibiu, Romania, Faculty of Agricultural Sciences, Food Industry and Environmental Protection	March 1, 2007 – September 30, 2013	didactic and research activities (Biochemistry, Toxicology, Immunology)
Professor	"Lucian Blaga" University of Sibiu, Romania, Faculty of Agricultural Sciences, Food Industry and Environmental Protection	October 1 2013-present	

3. PROFESSIONAL ACTIVITY

Teaching and Educational activities:

Courses taught at the "Lucian Blaga" University of Sibiu, Romania: *Biochemistry, Food biochemistry, Toxicology and innocuity of food products, Immunology, Biochemical and immunochemical methods used in control and expertize processes.*

Graduate theses and dissertations coordinator in the field of chemistry of natural compounds related to nutrition and food sciences, toxicological investigations.

Guidance and counselling activities to assist students during tutorial program.

Coordination of students' projects for attending various students' events (World Water Day on March 22, "Waste can be art" organized by the Faculty of Agricultural Sciences, Food Industry and Environmental Protection, "Lucian Blaga" University of Sibiu, March 22, 2013).

Supervision of students' scientific and research activity; oral scientific communications of students are presented at the Student Symposium STUDIUM OECOLOGICUM (Faculty of Sciences) and SYMPOSIUM OF STUDENTS IN FOOD SCIENCE (Faculty of Agricultural Sciences, Food Industry and Environmental Protection).

Continuing Education and improvement of my educational skills by attending courses and workshops on educational issues (PHARE-TEMPUS grant at the University of Padova, Italy, 1998; participant in the project target group "Academic excellence in distance learning and part time learning- a request for quality" POSDRU/86/1.2/S/61878, 2011-2012).

I was involved in the Graduate Entrance Exam and Bachelor's Degree processes at "Lucian Blaga" University of Sibiu (Faculty of Agricultural Sciences, Food Industry and Environmental Protection; Faculty of Sciences, Department of Ecology and Environmental Protection).

I participated in the *Commission regarding professional guidance, private scholarships for students, Ph.D. students and graduates following postgraduate training programs (2007-2012)* doing counselling and training activities, developing statistics regarding the situation on the insertion of graduates in the employment market. I organized meetings gathering students, graduates and potential employers (2007) in order to train graduates with skills suited to a better insertion on the job market. I participated in activities regarding the promotion of faculty's specializations programs, such as the "Educational Fair", "Lucian Blaga" University of Sibiu, Romania.

I am member of the Research Committee of the Faculty of Agricultural Sciences, Food Industry and Environmental Protection, "Lucian Blaga" University of Sibiu.

Technical activity:

I have conducted technical activities through the "Design, assembly and testing of technical equipments specific for the synthesis of peptides in solution", University of Padova & Centro Tecnico Chimico-Padova, Italy (November – December 2002).

I brought contribution to the development of laboratory equipments in the field of Biochemistry, Toxicology, by specific acquisition of chemical reagents and equipment through scientific national projects or collaboration with private companies in food profile.

I contributed to English/Italian-Romanian-English/Italian translation programs of materials in chemistry, biochemistry, biology.

Scientific activity:

My research work initiated and continued in the following fields: investigation of bioactive compounds isolated from plants and/or microorganisms (anthocyanins, phenolics, proteins, lectins, enzymes and enzyme inhibitors), study of bioactive peptides (synthesis, characterization, conformational and biological studies), research on C^{α,α}-tetrasubstituted amino acids from peptides of fungal origin, porphyrin chromophore systems, new antimicrobial agents (synthetic or natural extracts), toxicological studies. I worked in Romanian (in particular Bucharest) and foreign research teams (in particular at the the University of Padova, Italy) where I have acquired good scientific experience through research projects and fellowships. Through the published scientific papers, I consider that I have enriched the existing databases and brought new contributions in the above mentioned fields, research on anthocyanins (extraction, bioactivities, applications as bioactive molecules with high antioxidant properties in food industry, textiles), conformational study of fungal peptide analogues from the peptaibols class, study of cytotoxic effects of new peptide analogues against prokaryotic (bacteria) or eukaryotic cells (haemolysis), synthesis of new antimicrobial agents, application of immunochemical techniques for a rapid detection of gluten responsible for celiac disease, study of risk assessment of exposure to chemical agents in particular heavy metals. In the field of anthocyanins' application a patent request has been deposited at the OSIM office, Bucharest (2013).

Scientific publications: a total number of 157 original articles, of which 36 papers published in ISI quoted journals and 9 in ISI Proceedings (<http://www.researcherid.com/rid/D-4541-2013>). The obtained results from research activities were also disseminated through numerous participations at international conferences / congresses in the field.

I have published a total number of 17 books/chapters in books in the field, from which 1 book as co-author in Lambert Academic Publishing, 6 chapters in Academia Romana Press, and 1 chapter in Wiley Verlag.

The impact of the research results is quantified by 233 citations (without self-citations), Hirsch index of 8, in accordance to Web of Science (2014) <http://webofknowledge.com>, but also economic or for society benefits through the potential commercial opportunities of the research (patent proposal), improvements of the quality of life through the studied effects of natural compounds and by health promotion issues in popular magazines (*Saptamana Medicala*, 2012 <http://www.saptamanamedicala.ro/articole/Perspective-privind-promovarea-sanatatii-prin-consumul-de-alimente-vegetale-bogate-in-antioxidanti---antociani.html>).

Research and funding raisings: participation in 14 grants/ research contracts /national and international research projects, from which at 7 projects as director/coordinator, the results of which have been published in ISI journals, and 1 patent proposal.

1. member of the national research grant CNSCU, Nr. 7009/1997. Project title: "*Synthesis of oligopeptides with potential antimicrobial activity and of heteroaromatic compounds as auxiliaries for chromogenic peptides with the purpose of evaluation of hydrolases activities*", University of Bucharest, Romania
2. coordinator of the grant PHARE- TEMPUS IMG-97-RO-2008, 15 sept.-15 dec. 1998, project title: "*Preparation of teaching materials*", University of Padova, Italy
3. postdoctoral fellowship of the research contract ASS. RIC. 2000-2002. Project title: "*Ingegneria dei peptidi: sistemi elicoidali rigidi come spaziatori e templati in chimica bioorganica e nella scienza dei materiali*", University of Padova, Italy
4. member in the research project "Ex 60%" 2000-2004. Project title: "*Nuovi amminoacidi e peptidi per applicazioni in chimica bioorganica*" ("*New amino acids and peptides for bio-organic applications*"), University of Padova, Italy
5. member of the research project MURST-PRIN 2000-2002. Project title: "*Sistemi supramolecolari basati su foldameri oligopeptidici*" ("*Supramolecular systems based on oligopeptide foldamers*"), University of Padova, Italy
6. member of the research project MURST-PRIN 2002-2004. Project title: "*Sistemi peptidici supramolecolari multivalenti*" ("*Multivalent supramolecular peptide-based systems*"), University of Padova, Italy
7. fellowship/research leader of the research project ACER 0111-0123 (2003-2004), Project title: "*Preparation of conformationally stable peptides and use as catalysts in chiral syntheses*", DSM Research BV, Geleen, The Netherlands & Università degli Studi di Padova

8. member of the national research project CEEX nr. 135/2006, Program BIOTECH, 2006-2008, Project title: «*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
9. director of the national research project PN-II-ID-PCE, ID-476, nr. 524/2009, 2009-2011, Project title “*New pharmaceutically and textiles relevant 3_{10} helical peptidic structures with antimicrobial activity*”, “Lucian Blaga” University of Sibiu, Romania
10. member of the research project 4011/2008-2011, Project title “*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
11. postdoctoral fellowship 2011-2012 (Contract no. 65/31.01.2011) Project title “*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/
12. member (Key Expert/chemist and consultant) of the research-development project, contract no. 2047/21.06.2011, Project title “*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, Romania and Caransebeş Municipality
13. director of the national project, PN-II-ID-PCE-2011-3-0474 (2012-2014), Project title “*Research on anthocyanin bioactives from food plants, as useful tools for stabilization of polyunsaturated edible oils and for obtaining eco-textiles*”, “Lucian Blaga” University of Sibiu, Romania
14. Romanian Coordinator of the Scientific and Technological Bilateral Cooperation project Romania-Italy, Project title “*Peptaibiotics, an alternative to beta-lactam antibiotics: design, synthesis, bioactivity and textile functionalization*”

During 2000-2003 I made research integrally at the University of Padova, Italy, in the framework of the fellowships and research projects, gaining a rich professional experience at that institution.

I also finalized postdoctoral studies in 2012 in 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*”, INCE Institute of Romanian Academy.

Through the research projects I have also contributed to the formation of young researchers, by involving students (Bachelor, Masters, Ph.D.) in scientific and research activities.

I am member of the Committee –Scientific Group of the “*International Proficiency Testing Conference*”, www.pt-conf.org (2009; 2011; 2013); member of the Scientific Committee of the International Conference “*Agricultural and Food Sciences, Processes and Technologies*” (Sibiu 2005, 2007, 2010, 2012); member of the Organizing Committee of the XXIII National Session of Cell Biology (Sibiu, 2005).

I am member of the Editorial Advisory Board of the scientific journal *Acta Univ. Cib. Food Technology* <http://www.degruyter.com/view/j/auconf> which is indexed in international databases.

I am member and scientific secretary of the *Research Center in Biotechnology of ŞAIAPM Faculty* and associate member of the *Research Center of Respiratory Pediatric Medicine*, belonging to the “Lucian Blaga” University of Sibiu, Romania.

I participated in Advisory Committee for PhD students in the field of Engineering Sciences at the “Lucian Blaga” University of Sibiu, Romania.

Invited seminars abroad:

2009: „*Adverse effects of chemical agents on human health: a case study of occupational lead exposure*”, University of Padova, Department of Chemical Sciences, Italy

2011: “*Evaluation of anthocyanins in plant foods: a useful task for estimation of their intake and health promoting benefits*”, University of Padova, Department of Chemical Sciences, Italy

2013: „*Antimicrobial agents: new design strategies and applications*”, University of Padova, Department of Chemical Sciences, Italy

Research projects’ evaluator expert (for national research project proposals, UEFISCDI, Romania).

Peer-reviewer for scientific journals indexed ISI or other International Databases.

4. SCIENTIFIC PUBLICATIONS

Ph.D. thesis	1		
Postdoc thesis	1		
Books	11		
Book chapters, from which:	8		
- In international press (Wiley)	1		
- In Romanian Academy Press	6		
Original papers published	157	Papers in ISI quoted journals	36
		Papers in ISI Proceedings	9
		Papers in journals indexed in international databases	42
		Papers published in proceedings of national and international scientific events	45
		Papers in other journals	25
Patent proposal registered at OSIM Romania	1		

5. OTHER INFORMATION

Chairman at international conferences:

Chairman of the 3rd *International Proficiency Testing Conference*, session Validation of Testing Methods, www.pt-conf.org (Iași/Romania, 2011)

Prizes, certificates:

Prize for the best presentation at the Conference "From Genes to Molecules", February 8-10, 2002, Siena, Italy;

Certificate of excellency for the paper "The importance of food safety and health in agri-food supply chains. Consumer perspectives on health food products", 5th International Conference "Integrated Systems for Agri-food Production" (SIPA '07);

Certificate of excellency for the paper "Researches regarding the changes that have place during the ripening process of cheese obtained from sheep milk in brine", 5th International Conference "Integrated Systems for Agri-food Production" SIPA '07.

Nominalizations: "International scientist of the year for 2006", IBC, Cambridge, England, as member in "Leading scientists of the world" and "Leading educators of the world", IBC, Cambridge, England, 2006; mentioned in "49^o Annuario 1996-97 Collegio Universitario Don Nicolo Mazza", Padova, Italy, pp. 26, in "23rd 2006 Edition of Who's Who in the World", mentioned in "2000 Outstanding intellectuals of the 21st century", 2006, IBC, Cambridge, England.

Member of professional organizations:

Romanian Society of Biochemistry and Molecular Biology (FEBS associated organization);

National Society for Cellular Biology, Romania;

Society of Chemistry from Romania;

Association of Romanian specialists in Food Industry, Education, Research and Production (ASIAR) (starting with 2012);

Società Chimica Italiana, Divisione di Chimica dei Sistemi Biologici cu sediul în Italia (for the period 2001-2002);

Erasmus Student Network, Padova (1998-1999).

Date

Simona OANCEA

April 25, 2014