


## PERSONAL INFORMATION



### Oancea Simona

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Academic Profiles:

<https://www.webofscience.com/wos/author/record/D-4541-2013>

<https://www.scopus.com/authid/detail.uri?authorid=6603658504>

<https://www.researchgate.net/profile/Simona-Oancea>

<https://scholar.google.ro/citations?user=cnsaaN8AAAAJ&hl=ro&oi=ao>

<https://www.brainmap.ro/simona-oancea>

<https://orcid.org/0000-0003-3832-6041>

<https://sciprofiles.com/profile/1745405>

## OCCUPATION OR POSITION HELD

Employer's name

### Professor, *Habil.*, Ph.D., biochemist

Faculty of Agricultural Sciences, Food Industry and Environmental Protection <https://saiapm.ulbsibiu.ro/>  
„Lucian Blaga” University of Sibiu, Romania <https://www.ulbsibiu.ro/>

## WORK EXPERIENCE

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

Faculty of Agricultural Sciences, Food Industry and Environmental Protection, <https://saiapm.ulbsibiu.ro/>  
„Lucian Blaga” University of Sibiu, Romania

- Educational and research activities in the field of *Biochemistry, Toxicology, Immunology, Advanced techniques for biochemical, proteomic and genomic analysis*, and related; research projects' management; editorial activity for the scientific journal Acta Univ. Cib. Food Technology <https://sciendo.com/journal/AUCFT/>; guidance and counselling students activities; PhD supervisor.

## EDUCATION

*Habilitation*

- in Engineering Sciences, „Lucian Blaga” University of Sibiu, Romania (2014)  
<https://doctorate.ulbsibiu.ro/ro/domenii-si-conducatori/>

*Postdoctoral studies*

- in Biochemistry/Biotechnology, „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)
- 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 (2003)

*Ph.D.*

in Chemistry, “Syntheses of natural oligopeptides and analogues with potential biological activity”, University of Bucharest, Romania (1999)

*Bachelor's Degree*

in Biochemistry, Faculty of Chemistry, University of Bucharest, Romania (1991)

## PUBLICATIONS

Publications as author and co-author:

- Total = 261 published papers (115 in ISI journals / proceedings)
- Books, as author and co-author = 11; Chapters in books = 13 (from which 1 in a book edited by *Universal Publisher, BrownWalker Press*, 1 in a book edited by *Wiley Verlag*, 1 in *LAP publisher*, and 6 in books edited by the *Romanian Academy Press*)

### 2 granted patents (national, OSIM)

[https://ro.espacenet.com/searchResults?submitted=true&locale=ro\\_RO&DB=ro.espacenet.com&ST=advanced&TI=&AB=&FTX T=&PN=&AP=&PR=&PD=&PA=&IN=Oancea+Rodica+Simona&CPC=&IC=&Submit=C%C4%82UTARE](https://ro.espacenet.com/searchResults?submitted=true&locale=ro_RO&DB=ro.espacenet.com&ST=advanced&TI=&AB=&FTX T=&PN=&AP=&PR=&PD=&PA=&IN=Oancea+Rodica+Simona&CPC=&IC=&Submit=C%C4%82UTARE)

### Total number of citations:

- 1137 according to Web of Science
- 1343 according to Scopus
- 2212 according to Google Scholar

### Hirsch index:

- H-index = 18 Web of Science
- H-index = 20 Scopus
- H-index = 25 Google Scholar

Rankings: <https://www.adscientificindex.com/scientist.php?id=906646>

## Trainings

- Erasmus+ Staff Mobilities For Training (from 2016 to the present)
- February 2021: participation in the project CNFIS-FDI-2020-0487, EDU-QUAL "Successful grant application", trainers Don Webber/UK and Ioana Negru/ULBS/Ro
- November 2020: participation in the project CNFIS-FDI-2020-0487, EDU-QUAL "Online Educational strategies"
- October 2017 - participation in CNFIS project research modelues "*Participatory Research Project Strategy Development & Management: Stakeholders' Response to New Entrepreneurial Opportunities*" Trainer Dr. Ronny Adhikarya, „*Elaboration of project proposals for H2020 application*" trainer Lucian Andrei, „*Scientific data analysis*"
- November 2017: training in research modules through the project CNFIS-FDI-2017-0428 „Pasiune in predare, excelenta in cercetare" („Passion through teaching and research", Sibiu, Romania
- 13-14 June 2017: training International workshop „The Entrepreneurial university", JA Romania
- 14-19 March 2016: Erasmus+ Staff Mobility for Training, Universitat de les Illes Balears, Palma de Mallorca
- 2014-2015: Courses on „UNIVERSITARIA – școală didactică universitară și cercetare științifică avansată" project, "Lucian Blaga" University of Sibiu, Romania
- 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" 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", project "Academy of knowledge-based entrepreneurship", Sibiu, Romania
- 2012: Course on "Introduction in the ID/IFR technologies and the concepts of eLearning, Blended Keaming, Open and Distance Learning" project "Academic excellency in distance learning – a quality request" Sibiu, Romania
- 2012: Course on training and specialization for editing ID/IFR materials, project "Academic excellency in distance learning – a quality request" Sibiu, Romania
- 2012: Course on training and specialization in quality management, 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, 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;
- 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
- 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, project POSDRU/39/3.2/G/22802, Romtens Bucharest, Romania
- 18 September 2009: Training Course "Statistics in PT – From homogeneity and stability testing to consensus means and proficiency assessment", Sibiu, Romania;
- 28 – 30 November 2006: Specialization Course on "Current aspects on occupational health in a multidisciplinary view" 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
- 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)

## Known languages

English, Italian, German

Professional skills	<p>Field interests in Biochemistry, Phytochemistry, Green Chemistry, Toxicology, the scientific research being directed towards:</p> <ul style="list-style-type: none"> <li>• plant bioactive compounds, in particular of polyphenolic structure: sustainable sources; optimization of extraction; characterization, bioactivities; applications</li> <li>• natural antioxidants; health promotion through healthy diet</li> <li>• novel antimicrobial agents, natural and/or synthetic; biomedical and technological applications (textiles)</li> <li>• natural pigment extracts applied in textile eco-dyeing</li> <li>• bioactivity of peptides of fungal origin containing C<sup>α,α</sup>-tetrasubstituted amino acids</li> <li>• innocuity of food products</li> <li>• immunochemical methods for detection of food adulteration</li> <li>• physical chemical and toxicological studies of surface waters</li> <li>• valorization of wastes for product and energy development</li> </ul>
Organisational / managerial / communication skills	<ul style="list-style-type: none"> <li>• Representative in PhD Defense Commissions in Romania</li> <li>• Member of the Council of the Faculty of Agricultural Sciences, Food Industry and Environmental Protection</li> <li>• Member of the Education and Scientific Research Committee of the Faculty</li> <li>• Responsible for the Master's degree program (Food Quality and Safety Assurance)</li> <li>• Head of the Department of Agricultural Sciences and Food Engineering, "Lucian Blaga" University of Sibiu</li> <li>• management of research projects (2015-2018)</li> <li>• Scientific secretary of the Research Centre on Biotechnology and Food Engineering, "Lucian Blaga" University of Sibiu, Romania <a href="https://centers.ulbsibiu.ro/ccbia/index.php/about-us/our-team-2/">https://centers.ulbsibiu.ro/ccbia/index.php/about-us/our-team-2/</a></li> <li>• Guest Editor of Special Issue of the ISI Q1 quoted journal ~Antioxidants~ (Role of Synthetic Antioxidants in the Food, Pharmaceutical and Cosmetic Industries), Q1 journal</li> <li>• member of the Steering Committee – Scientific Group of the "International Proficiency Testing Conference" held in Romania;</li> <li>• member of the editorial board of the Proceedings of the International Conference "Agricultural and Food Sciences, Processes and Technologies", Sibiu, Romania</li> <li>• member of the Advisory Scientific Board of the scientific journal "Acta Universitatis Cibiniensis, Series E, Food Technology" edited by "Lucian Blaga" Universitatea de Sibiu, Romania <a href="https://sciendo.com/journal/AUCFT">https://sciendo.com/journal/AUCFT</a></li> <li>• coordination of students' scientific and research activities in the field of Biochemistry, Toxicology, Enzymatic and immunological methods of control and expertise and coordination of graduation and dissertation theses in the field of Ecological Biochemistry</li> </ul>
Other skills	<ul style="list-style-type: none"> <li>• Expert evaluator of research projects PN-II-IDEI/Partnerships, PN-III (UEFISCDI) Romania</li> <li>• Visiting professor at the University of Padova, Italy</li> <li>• Peer-reviewer for international journals (ISI quoted and IDB indexed)</li> <li>• "Chairman" at the International Proficiency Testing Conference 2011, Romania</li> <li>• Certificate of English TWE / TOEFL; Certificat of English, Faculty of Letters and Arts, "Lucian Blaga" University of Sibiu, Romania</li> </ul>
Honours and awards	<ul style="list-style-type: none"> <li>• Medals awarded at national / European EXHIBITION OF CREATIVITY AND INNOVATION (<i>Inventica 2015 gold medal, ProInvent 2016 gold medal, EuroInvent 2016 silver medal, Inventica 2016 gold medal, ProInvent 2018 gold medal, Inventica 2018 gold medal, ProInvent Medal 2019, EuroInvent 2019 silver medal, EuroInvent 2021 silver medal, Proinvent 2021 Gold medal, InventCor 2021 Gold medal and Bussines award, Proinvent 2022 Gold medal, 9<sup>th</sup> International Salon of Inventions and Innovations „Traian Vuia” Timisoara 2023 Gold medal, EuroInvent 2023 Silver medal + Excellence Diploma with Gold medal from the University of Medicine and Pharmacy "Nicolae Testemițanu" of Republica Moldova; Inventica 2023 Gold Medal; EuroInvent 2025 Gold Medal</i>)</li> <li>• Awards UEFISCDI of scientific ISI articles</li> <li>• "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)</li> <li>• Prize for the best presentation at the Conference "From Genes to Molecules", Siena, Italy (2002)</li> <li>• Nominalizations: <ul style="list-style-type: none"> <li>- "International scientist of the year for 2006", IBC, Cambridge, England,</li> <li>- "Leading scientists of the world", "Leading educators of the world", IBC, Cambridge, England, 2006;</li> <li>- "49<sup>o</sup> Annuario 1996-97 Collegio Universitario Don Nicolo Mazza", Padova, Italia, pag. 26,</li> <li>- "23<sup>rd</sup> 2006 Edition of Who's Who in the World",</li> <li>- "2000 Outstanding intellectuals of the 21<sup>st</sup> century", 2006, IBC, Cambridge, England.</li> </ul> </li> </ul>
Research projects	<p>Participation in research projects, as director/coordinator or as team member:</p> <ul style="list-style-type: none"> <li>• Director of Excellence Grant 2023-2025, "Exploring the pharmacological potential of plant species with economic impact and the influence of some biocompatible nanoparticles on plant development", Project</li> </ul>

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- financed by Lucian Blaga University of Sibiu (Knowledge Transfer Center) & Hasso Plattner Foundation research grants LBUS-HPI-ERG-2023;
- Director of the project financed by "Lucian Blaga" University of Sibiu & Hasso Plattner Foundation research grants LBUS-IRG-2021-07, „Investigation on flora resources for obtaining bioactive products with health benefits" 2022-2024.
  - Responsible as LBUS partner for the international project RS-1607-01-2122 "Resilient management of bioactive compounds from plants and organic wastes in Middle-Europe", 2021-2023, coordinator University of Novi Sad, Serbia.
  - Member of the International Research project P-DiSC-2021 "Smart bio-functional HA-peptide conjugates for anti-inflammatory treatments (bio HAPE)", Department of Chemical Sciences, University of Padova, Italy, 2021.
  - Director of the project financed by "Lucian Blaga" University of Sibiu & Hasso Plattner Foundation research grants LBUS-IRG-2021-07, „Exploiting the antioxidant activity of natural extracts obtained from sustainable resources for producing quality food ingredients" 2021-2023.
  - Member of the research team of the international project „Structural and computational analysis of antioxidant coated magnetic nanoparticles – the case of the gallic acid; evidencing of some bioeffects in young plantlets", "Lucian Blaga" University of Sibiu, Romania, „Alexandru Ioan Cuza" University of Iasi, Romania & The Joint Institute for Nuclear Research (JINR) of Dubna, Russia, 2021.
  - Member of the research team of the international project "Structural investigation of surface modified magnetic nanosystems synthesized by conventional or eco-friendly methods and their impact on the environment", "Lucian Blaga" University of Sibiu, Romania & The Joint Institute for Nuclear Research (JINR) of Dubna, Russia, 2019.
  - Director of the project PN-III-P2-2.1-CI-2018-1401, UEFISCDI, Hempseed oil enriched with Hibiscus extract, innovative product resistant to oxidative degradation, "Lucian Blaga" University of Sibiu & Natural Ingredients R&D srl Fagaras, Romania, 2018.
  - Member of the research team of Project SIDPOP in cooperation with the Norwegian University of Life Sciences, eea grants 2015-2016 "Support tool for taking decisions in the field of persistent organic pollutants managements. Case study: River area Mures", "Lucian Blaga" University of Sibiu, Romania
  - 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<sub>10</sub> helical peptidic structures with antimicrobial activity", CNCSIS, "Lucian Blaga" University of Sibiu, Romania
  - member of the national research project CEEEX 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
  - 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 sep.-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 auxiliares for chromogenic peptides with the purpose of evaluation of hydrolases activities", CNSCU, University of Bucharest, Romania
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<b>Conferences / congresses / exhibition on inventics</b>	<ul style="list-style-type: none"> <li>▪ 153 research papers presented at national and international conferences / congresses in the field</li> <li>▪ Participation at scientific events on inventions / creativity (2015-present, <i>Inventica</i>, <i>ProInvent EuroInvent</i>, <i>InventCor</i>)</li> </ul>
<b>Seminars</b>	<p>Invited seminars at the University of Padova, Italy:</p> <ul style="list-style-type: none"> <li>• "<i>Innovation in ecologic functionalization/bioactivation of surfaces of textiles</i>" (2014)</li> <li>• "<i>Antibiotic resistance and susceptibility testing</i>" (2013)</li> <li>• "<i>Antimicrobial agents: new design strategies and applications</i>" (2013)</li> <li>• "<i>Evaluation of anthocyanins in plant foods: a useful task for estimation of their intake and health promoting benefits</i>" (2011)</li> <li>• "<i>Adverse effects of chemical agents on human health: a case study of occupational lead exposure</i>" (2009)</li> </ul> <p>Keynote speaker („Genomic-driven personalized nutrition: science, concept and case study on antioxidant supplementation") at the Diaspora2023 international event, Timisoara, Romania</p>
<b>Memberships</b>	<ul style="list-style-type: none"> <li>▪ 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)</li> </ul>

Updated 2025