



UNIVERSITATEA DE ȘTIINȚE AGRICOLE ȘI MEDICINĂ VETERINARĂ CLUJ-NAPOCA

Facultatea de Știința și Tehnologie Alimentelor  
Departamentul 2/ Chimie și Biochimie Agroalimentară



Curriculum vitae

**SOCACIU Carmen**

<b>Citizenship</b>	Romanian
<b>Education and Professional Experience</b>	DIPLOMA IN CHEMISTRY, 1976, Faculty of Chemistry, UBB Cluj-Napoca DOCTORAL DEGREE IN CHEMISTRY, 1986, UBB Cluj-Napoca, Faculty of Chemistry 1991 - 2018 lecturer, associate professor and full professor, USAMV Cluj-Napoca Since 2018 Professor Emeritus, Associate Professor at USAMV Cluj-Napoca 2016-2018 Director, Institute for Life Sciences at USAMV Cluj-Napoca Since 2019 Director, Research-Development Center "Biotechnologies Applied in Diagnosis and Molecular Therapies" BIODIATECH- Proplanta SRL Cluj-Napoca
<b>Areas of competence</b>	Agri-food and biomedical chemistry and biochemistry Applied metabolism: LC-MS, GC-MS, FTIR analysis of bioactive compounds Bioinformatics applied in home systems Bio-encapsulation nano- and microtechnologies, with applications in the food and medicine industry
<b>Teaching activity (bachelor's and master's degree courses)</b>	Coordinator of over 30 Bachelor's degree programs / disciplines in the period 2000-2018 International Master Coordinator "Food Quality Management" and other master programs on the profile of "Food Science and Technology" and "Agri-Food Biotechnologies", with teaching in Romanian, "Analytical Methodologies in Metabolomics" International teaching activity: Master and PhD- Univ. Bordeaux (2001-2002), Bremen, Gent, Wageningen, Valencia (2001-2009)
<b>Specializations and qualifications</b>	Postdoctoral fellowships: University of Bordeaux, France, 10 months (1991/1992), University of Bremen: postdoctoral fellowship DAAD 1997 (6 months) and 2000 (6 months) Research internships abroad: University of Bern, Switzerland (2 months-1991, 3 months-1994, 3 months-1998), University of Liverpool, UK (6 months - Tempus program, 1998) University of Bremen, Germany (10 months between 2003-2009)
<b>PhD supervisor Postdoctoral program coordinator</b>	PhD supervisor in the field of Biotechnology, since 2004 PhD students who have completed doctoral theses so far: 42 Full - time / part - time PhD students, currently: 2 Postdoctoral tutor funded by National programs: 18
<b>Professional affiliations (selection)</b>	Associated member of the Academy of Agricultural and Forestry Sciences (ASAS) since 2010, reconfirmed in 2014; Member and Vice President of the Romanian Society of Biochemistry and Molecular Biology (SRBBM) (2000-2002, re-elected 2004-2006, re-elected 2009-2016) Member of the Scientific Committee - International Carotenoid Society (ICS) (2008-2013) Member of the Scientific Committee of the International Center for Genetic Engineering and Biotechnology under the auspices of the UN (2018-2022)

<b>Proiecte/Contracte de cercetare coordonate (director / responsabil)</b> <b>Ultimii 15 ani</b>	<b>International projects</b> FP6 EU project QUALIJUICE "Quality assessment and development of an early warning system for microbial contaminations for the European Juice industry" (2003-2005), FP6 EU project GRUP'S UP "Recycling and Upgrading Wastes from Food Production for use within the Food Chain" (2005-2009) FP6 EU HELICAS Innovative utilization strategies for sunflower biomass "(2004-2007) FP6- EU- Thematic Network 104934-CP-3- 2004- 1 "ISEKI - Food Integrating Safety and Environ.Knowledge in Food Studies towards EU Sustainable Development" (2005-2012) EU- COST 926 "Impact of new technologies on the health benefits and safety of bioactive plant products" BIOPROFIT (2005-2007) EU-COST 865 BRG "Bioencapsulation multiscale interaction analysis" (2007-2011) EU-COST Action no. FA1006 «Plant metabolic engineering for high value products» EU-FP7- METAPRO 244348 The development of tools and efficient strategies for the optimization of useful secondary metabolites in planta (2010-2013) EU- COST CA 13156 «European network to advance carotenoid research and applications in agro-food and health (EUROCAROTEN) (2016-2018) Vice-chair EU project FP7- 613513, DISCO From discovery to products: a next generation pipeline for the sustainable generation of high value plant products EU project ERA-NET The development and application of Xanthophyllomyces dendrorhous as a platform for the Production of high value terpenoids EU project ERA-NET-LAC Screening marine microalgae and terrestrial bacteria; in search of novel compounds of potential medicinal and other industrial values Orizont 2020 SFS-2018-1 / 817690 CropBooster-P- Preparatory action to Boost Global Crop Yield for Food & Nutrition Security and fueling a Bioeconomy (2018-2021) Responsabil Romania EU- COST 19105 LipidNET- Pan-European Network in Lipidomics and EpiLipidomics - coordinator of the national management committee <b>National projects coordinated as director: more than 35 projects in 20 years</b>
<b>Scientific publications</b>	Books and manuals published in international and national publishing houses: 33 16 books or chapters published in books at internationally recognized publishing houses 8 books / chapters published in recognized national publishing houses 10 university textbooks Publications, total> 540 Scientific articles published in ISI international journals (mentioned in ISI web of knowledge- Web of science): 229. Cumulative impact factor> 150 Scientific articles published in extenso in BDI (or B +) journals or in Conference Proceedings: 280 Conferences invited abroad: 54. Conferences invited in the country>: 36 Patents / applications registered OSIM: 10  <b>Index Hirsch: 38 ( Web of Science); CITATIONS IN ISI-Web of Science: 5199 (sept 2023)</b> <b>Index Hirsch: 48 ( Google Academic). CITATIONS in Google Academic: 8945 (sept 2023)</b> <b>Index Hirsch: 39 (Scopus). CITATIONS in Scopus: 4356 (August 2023)</b>

<b>Expert / evaluator international și național</b>	<p>Expert of the European Commission in the Panel of Experts on Bioeconomics (2013-2015)  Representative for Romania at the UN-FAO, CFS Committee - High Level Panel of Experts (HLPE), (since 2008)  Expert evaluator CNCIS, PNII (period 1990-2014)  Evaluator - expert in European programs FP6, FP7 (period 2006-2014)  European expert in the evaluation panel of EU FP programs (Impact assessment) (2010-2011)  Member, National Council for Scientific Research (CNCS) (2010-2012)  Member of the Consultative College for Research-Development and Innovation (CCCDI), forum coordinator "Priority Areas" (2010-2014)  Member of CCCDI- Bioeconomics Commission, ANCS, Romania (since 2015)  Representative Romania - at FEBS - European Federation of Biochemical Societies (2016)  Elected member of the Scientific Board of ICGEB (International Center for Genetic Engineering and Biotechnology) since 2018  Expert of the European Commission in the Panel of Experts on Bioeconomics (2013-2015)  Representative for Romania at the UN-FAO, CFS Committee - High Level Panel of Experts (HLPE), (since 2008)  Expert evaluator CNCIS, PNII (period 1990-2014)  Evaluator - expert in European programs FP6, FP7 (period 2006-2014)  European expert in the evaluation panel of EU FP programs (2010-2011)  Member, National Council for Scientific Research (CNCS) (2010-2012)  Member of the Consultative College for Research-Development and Innovation (CCCDI), forum coordinator "Priority Areas" (2010-2014)  Member of CCCDI- Bioeconomics Commission, ANCS, Romania (since 2015)  Representative Romania - at FEBS - European Federation of Biochemical Societies (2016)  Elected member of the Scientific Board of United Nations- ICGEB (International Center for Genetic Engineering and Biotechnology) since 2018</p>
<b>Managerial skills and experience</b>	<p>Vice-rector, research-innovation (2012-2016) at USAMV Cluj-Napoca  Director, Institute of Life Sciences USAMV Cluj-Napoca (since 2016)  Coordinator of the subjects of Agri-Food Chemistry and Biochemistry, USAMV Faculty of Food Science and Technology Cluj-Napoca  Director, Authorized Research Center CNCS 78 / CC-C „Chemistry and biochemistry of plant pigments” <a href="http://www.usamvcluj.ro/2006/ccpv/">http://www.usamvcluj.ro/2006/ccpv/</a>;  Director, AGRIAL Laboratory (Services laboratory for the quality and authenticity of agri-food products) <a href="http://www.usamvcluj.ro/cercetare/2007/AGRIAL/">http://www.usamvcluj.ro/cercetare/2007/AGRIAL/</a>  Referent member of doctoral commissions at prestigious international universities: Ghent (Belgium), Wageningen (Netherlands) and in the country (over 25 commissions in the last 5 years)  President of the Association of Specialists in the Food Industry ASIAR – Transylvania  Organizer of international symposia in the field of Biochemistry (National Society of Biochemistry and Molecular Biology - 2003, 2010; 8th International Congress "Pigments in Food", 2016)  Coordinator in Romania of the RO cluster at EPSO (European Plant Science Organization) since 2014  2023 - <i>Doctor Honoris Causa</i> at University “Dunărea de Jos” Galați, Romania</p>

15 June 2025