



## Lucian Octav Copolovici

**Date of birth:** 13/08/1976 | **Nationality:** Romanian | **Gender:** Male | **Phone number:**

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### WORK EXPERIENCE

01/10/2014 – CURRENT Arad, Romania

**PROFESSOR** FACULTY OF FOOD ENGINEERING, TOURISM AND ENVIRONMENTAL PROTECTION, "AUREL VLAICU" UNIVERSITY

Lectures, courses and seminars in environmental and food engineering  
Scientific research in environmental science and engineering, food engineering

17/01/2017 – CURRENT Arad, Romania

**DIRECTOR** INSTITUTE FOR INTERDISCIPLINARY RESEARCH, "AUREL VLAICU" UNIVERSITY

Coordination of all scientific research activities of IDR  
Supporting the activity of applying proposals for grants and contracts for scientific research under national and international programs as well as in collaboration with the socio-economic environment

01/10/2014 – 30/09/2019 Cluj-Napoca, Romania

**ASSOCIATE PHD SUPERVISOR AT THE DOCTORAL SCHOOL OF ENVIRONMENTAL SCIENCE** FACULTY OF ENVIRONMENTAL SCIENCE AND ENGINEERING, BABEȘ-BOLYAI UNIVERSITY

Supervision and coordination of PhD students in environmental science

01/10/2012 – 30/09/2014 Arad, Romania

**SENIOR RESEARCHER II** ICDISTN, "AUREL VLAICU" UNIVERSITY

Scientific research in the natural sciences  
Chromatography and natural sciences laboratory manager

01/10/2011 – 01/10/2013 Tartu, Estonia

**SENIOR RESEARCHER** DEPARTMENT OF PLANT PHYSIOLOGY, ESTONIAN UNIVERSITY OF LIFE SCIENCE

Coordination of natural science research laboratories

01/10/2007 – 30/09/2011 Tartu, Estonia

**RESEARCHER** DEPARTMENT OF PLANT PHYSIOLOGY, ESTONIAN UNIVERSITY OF LIFE SCIENCE

Scientific research in natural sciences (plant physiology, chromatography, secondary metabolites)

01/07/2006 – 30/09/2007 Cluj-Napoca, Romania

**POSTDOCTORAL RESEARCHER** FACULTY OF CHEMISTRY AND CHEMICAL ENGINEERING, BABEȘ-BOLYAI UNIVERSITY

Synthesis and characterization of biologically active compounds with Se and Te

01/04/2005 – 31/03/2006 Ghent, Belgium

**POSTDOCTORAL RESEARCHER** GHENT UNIVERSITY, DEPARTMENT OF ANALYTICAL CHEMISTRY, INSTITUTE OF NUCLEAR SCIENCE

Scientific research in atmospheric chemistry

01/07/2004 – 30/01/2005 Tartu, Estonia

**RESEARCHER** DEPARTMENT OF PLANT PHYSIOLOGY, TARTU UNIVERSITY

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Scientific research in natural sciences (plant physiology, chromatography, secondary metabolites)

## ● EDUCATION AND TRAINING

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18/09/2018

**HABILITATION IN ENVIRONMENTAL ENGINEERING (OMEN 5506/14.11.2018)**

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20/02/2014

**HABILITATION IN ENVIRONMENTAL SCIENCE (OM 166/07.04.2014)**

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01/11/1999 – 12/12/2003 Cluj-Napoca, Romania

**PH. D. IN CHEMISTRY** "Babes-Bolyai" University

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**Level in EQF** EQF level 8

01/10/1998 – 30/06/1999 Cluj-Napoca, Romania

**M.SC. IN APPLIED ELECTROCHEMISTRY** Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai University

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**Level in EQF** EQF level 7

01/10/1994 – 30/06/1998 Cluj-Napoca, Romania

**B.SC. IN PHYSICAL CHEMISTRY** Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai University

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**Level in EQF** EQF level 6

15/09/1990 – 30/06/1994 Turda, Romania

**BACCALAUREATE** "Mihai Viteazul" National College, Turda

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**Level in EQF** EQF level 4

## ● LANGUAGE SKILLS

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Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C2	C2	C1	C2	C1
<b>RUSSIAN</b>	A1	A1	A1	A1	A1

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Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● MANAGEMENT AND LEADERSHIP SKILLS

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**Member in CNATDCU – Environmental Engineering Commission (2016-2020; 2024-present)**

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**Member in Senate (2016-present)**

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**Member in Interdisciplinary Doctoral School Council (2019-present)**

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**Specialist - Advisory College for Research-Development and Innovation (ACRDI) - Commission 2. Energy, Environment and Climate Change**

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### **Project director**

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Grant European Science Foundation Determination of monoterpene physico-chemical characteristics, Reference number 815

Grant European Science Foundation Sesquiterpene emission from plants induced by stress conditions, Reference number 1838

Estonian Science Foundation Physico-chemical traits of and signalling by volatile compounds Grant JD 101 (valoare 75.415 EUR).

Grant PNII-RU-TE-2011-3-0022 Emission of volatile compounds from Betulacea and Fagacea elicited during biotic and abiotic stresses (valoare 920.000 RON).

Project CNFIS-FDI -2018-0347, "Distillation pilot scale laboratory for students practice" (value 275.660 RON).

Project CNFIS-FDI -2019-0150, "Pilot scale laboratory for processing meat products", (value 246.000 RON)

Project CNFIS FDI 2020-0178, "Laboratory to assess the quality of the environment for student practice", (value 260.000 RON)

Project PN-III-P4-ID-PCE-2020-0410, Impact of abiotic and biotic stresses on plants due to climate change (value 1.198.000 RON)

Project CNFIS-FDI 2022-0274, Laboratory of kinetotherapy and complementary therapies for student practice, (value 213.000 RON)

Project CNFIS-FDI-2023-F-0313, Laboratory for the evaluation of the quality and nutritional properties of food products for student practice, (value 234.000 RON)

Project PN-IV-P8-8.3-ROMD-2023-0022, Impact of different habitats and abiotic stress factors on plant metabolites of the genera Galium and Helichrysum, (value 477.500 RON) 2024-2026

### **Mentor**

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PN-III-P1-1.1-PD-2016-0484, Postdoctoral research project „Evaluarea influenței medicamentelor antiinflamatoare nesteroidiene asupra caracteristicilor fiziologice și metaboliților secundari din legumele autohtone”, Director. CS III Dr. Ocsana Opris

PN-III-P1-1.1-PD-2019-0349, Postdoctoral research project „Influența factorilor abiotici asupra caracteristicilor fiziologice și a metaboliților secundari din plante aromatice”, Director CS III Dr. Andreea Lupitu

### **Member in management team**

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Proiect POSCCE- O.2.2.1, 621/2014 Research Center in Natural and Technical Sciences, 2014-2015, Director CS I Dr. Cecilia Sirghie (valoare 15.000.000 RON).

Proiect POC, 30/2016, New NANO-Architectures Biologically Inspired of Celular type for Integrated Circuits, 2016-2020, Director Prof. Dr. Valeriu Beiu (valoare 9.338.000 RON).

Proiect POC, Centru de cercetare in bio-eco-economie sustenabila, 2021-2023, Director: Ramona Lile, (valoare 35.000.000 RON)

### **Project team member**

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1. Kinetic methods for organic compounds and heavy metal, kinetic studies for substances with biological activities and oxidation process. Grant CNCSIS, 2000-2002, Director: Prof. Dr. Ioan Baldea
2. Polymethynicdyes. Kinetic and spectral studies, Grant CNCSIS 2002-2004. Director: Conf. Dr. Ioan Panea
3. Kinetic studies used in hydrocarbons oxidation and kinetic methods, Grant CNCSIS 2001. Director: Lect. Dr. Claudia Muresanu
4. Chemical systems for analytical application, Grant CNCSIS 2001-2003. Director: Lect. Dr. Alexandra Rustoiu-Csavdari
5. Kinetic-mathematics modelling of complex reactions, Grant CNCSIS, 2002-2004, Director: Prof. Dr. Ioan Bâldea

6. Characterisation and sources of carbonaceous atmospheric aerosols, SPO contract no. EV/02/11A, Director: Prof. Dr. Willy Maenhaut
7. Organomercury, organoselenium and organotellurium hypervalent compounds - synthesis, structural characterisation in solution and solid state, reactivity, Project CEEEX 19, mod 2, - postdoctoral researcher, 2006-2008, Director: Prof. Dr. Cristian Silvestru
8. Functional relations between plant structure and physiological activity, Science Foundation Grant, 2005 – 2007, Director: Dr. Katja Huve
9. Constitutive and induced emission of volatile isoprenoids in forest trees, Estonian Science Foundation Grant 7645, 2008 – 2011, Director: Prof. Dr. Ulo Niinemets
10. Plant stress ecophysiology, Estonian Science Foundation Grant, 2007 – 2012, Director: Prof. Dr. Ulo Niinemets
11. Induction of plant VOC emission by biotic and abiotic stresses and consequences for community ecology: a multidisciplinary approach (A-BIO-VOC), EUROCORES / EUROVOL, 2011- 2014, Director: Prof. Dr. Ulo Niinemets
12. Bast Plants – strategic renewable resources for european economy Proiect POS CCE contract no 210/2010, 2012-2013, Director: Prof. Dr. Ryszard M. Kozlowski
13. Inchiderea lanțurilor de valoare din bioeconomie prin obținerea de bioproduse inovative cerute de piață PROSPER, Proiect PN-III-P1-1.2-PCCDI-2017-0569, Director: CS I Dr. Florin Oancea
14. Cell-penetrating peptides-containing systems as a potential platform for the use in breast and prostate cancer treatment, Proiect PN-III-P4-PCE-2021-0639, 2022-2024, Director: Prof. Dr. Habil. Dana Copolovici

## **DIGITAL SKILLS**

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Origin | NIST Privacy Framework | Microsoft Office | Internet user | GraphPad Prism (basic knowledge)

## **DRIVING LICENCE**

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**Driving Licence:** B

## **COMMUNICATION AND INTERPERSONAL SKILLS**

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### **Communication skills**

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Good communication skills gained through my experience as speaker at different international conferences

### **Other skills**

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Spectrometry (UV/VIS, IR, diode array spectrophotometer), potentiometry, sensors, gas chromatography (FID, MS), ionic chromatography, liquid chromatography, PTR-MS, NMR, Schlenk techniques, gas-exchange techniques.

## **HONOURS AND AWARDS**

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2023

**Best poster presentation – Conference Agriculture for Life, Life for Agriculture, Bucharest, Romania**

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2006

**Best presentation award – Conference Agriculture for Life, Life for Agriculture, Bucharest, Romania**

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2019

**Best presentation award – ICABBBE, Atena, Grecia**

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2018

**Award and Medal of "Gh. Spacu" of the Romanian Chemical Society**

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2018

**USAMVB Award for scientific article**

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2018

**Best poster award Section Biotechnology – Conference Agriculture for Life, Life for Agriculture, Bucharest, Romania.**

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2018

**Best poster award Section Food Safety – Conference Agriculture for Life, Life for Agriculture, Bucharest, Romania.**

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2014

**Best poster award Section Biotechnology – Conference Agriculture for Life, Life for Agriculture, Bucharest, Romania.**

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## ● **ADDITIONAL INFORMATION**

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### **Member**

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Romanian Chemical Society (from 2000), National Society for Environmental Science and Engineering (from 2012) – founding member, Romanian Society of Biochemistry and Molecular Biology (from 2015)

### **Conferences**

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More than 280 poster or oral presentations at national and international conferences

### **Publications**

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105 articles WOS  
7 books  
2 book chapters  
31 IDB articles

### **Citations**

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Over 3000, h index 30 (WOS), 39 (Google Scholar);

### **Reviewer for**

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“Annals of Forest Science”, “Environmental Pollution”, “Tree Physiology”, “Atmospheric Environment”, “Biogeosciences”, “PNAS”, “Mini-Reviews in Medicinal Chemistry”, “Science of the Total Environment”, “Journal of Planar Chromatography”, “Anthropod-Plant Interactions”, “Journal of Chemical Engineering”, “Australian Journal Crop Science”, “Textile Research Journal”, “Global Change Biology”, “Food Chemistry”, “Analytical Letters”, PLOS One, Trees, Ecological Letter, etc.

### **Expert**

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UEFISCDI, NSF, European Commission (ERC projects), Bulgarian Science Foundation

### **Member**

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Member of the editorial Journal of Natural Fibers, Scientific and Technical Bulletin Series Chemistry, Food Science & Engineering, Journal of chemistry, Frontiers in Plant Science

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