

PERSONAL INFORMATION

Dana Maria COPOLOVICI (born BAN)



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 Google Scholar ID: <https://scholar.google.com/citations?user=6m7emJ8AAAAJ&hl=ja>

Sex F | Date of birth 16/08/1976 | Nationality Romanian

OCUPATIONAL FIELD

Academic teaching and research

WORK EXPERIENCE

02/10/2017–Present

Professor

Faculty of Food Engineering, Tourism and Environmental Protection, "Aurel Vlaicu" University, Arad, Romania

- Teaching and research
- Business or sector** Academic teaching and research

01/10/2016–Present

Professor

University of Oradea, Biomedical Sciences Doctoral School, Oradea, Romania

- Ph.D. supervisor, Teaching and research
- Business or sector** Academic teaching and research

01/10/2014–01/10/2017

Associate Professor

Faculty of Food Engineering, Tourism and Environmental Protection, "Aurel Vlaicu" University, Arad, Romania

- Teaching and research
- Business or sector** Academic teaching and research

01/10/2013–01/10/2014

Lecturer

Faculty of Food Engineering, Tourism and Environmental Protection, "Aurel Vlaicu" University, Arad, Romania

- Teaching and research
- Business or sector** Academic teaching and research

05/03/2012–05/07/2013

Researcher

Institute of Technical and Natural Sciences Research Development of "Aurel Vlaicu" University, Arad, Romania

- Research
- Business or sector** Research

01/01/2012–30/03/2013

Senior Researcher

Institute of Technology, Faculty of Science and Technology, University of Tartu, Tartu, Estonia

- Teaching and research
- Business or sector** Teaching and research

- 01/03/2010–31/12/2011 **Postdoctoral Researcher**
 Institute of Technology, Faculty of Science and Technology, University of Tartu, Tartu, Estonia

 - Teaching and research

[Business or sector](#) Teaching and research

- 15/01/2008–28/02/2010 **Extraordinary Researcher**
 Institute of Technology, Faculty of Science and Technology, University of Tartu, Tartu, Estonia

 - Research

[Business or sector](#) Research

- 2001–31/07/2002 **Assistant Researcher**
 Research Institute for Analytical Instrumentation, INCDO-INOE 2000, Cluj-Napoca, Romania

 - Research

[Business or sector](#) Research

EDUCATION AND TRAINING

- 04/12/2015 **Habilitation in Biology, OMENCS 5945, 4.12.2015**

- 01/10/2002–12/12/2007 **Ph. D. in Chemistry** EQF level 8
 “Babes-Bolyai” University, Cluj-Napoca, Romania

- 01/10/2001–30/06/2002 **M.Sc. in Chemistry** EQF level 7
 Faculty of Chemistry and Chemical Engineering, “Babes-Bolyai” University, Cluj-Napoca, Romania

- 01/10/1997–30/06/2001 **B.Sc. in Chemistry** EQF level 6
 Faculty of Chemistry and Chemical Engineering, “Babes-Bolyai” University, Cluj-Napoca, Romania

- 15/09/1991–30/06/1995 **Baccalauréat** EQF level 4
 “Andrei Muresanu” National College, Bistrita, Romania

PERSONAL SKILLS

Mother tongue Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	A1/2	A1/2	A1/2	A1/2	A1/2
Italian	B1/2	B1/2	B1/2	A1/2	A1/2
German	A1/2	A1/2	A1/2	A1/2	A1/2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

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

Visiting professor at Estonian University of Life Sciences, Estonia: International Summer Course on Biosphere-Atmosphere Exchange and Measurement Techniques, Tartu and Järvselja, 21-24 August, 2018.

Visiting professor at 2nd International Summer School: "PROTEOMICS – from Introduction to Clinical Applications", Iasi, Romania, 9-13 July, 2018.

Ph.D. supervisor and member of various academic and scientific committees

Organisational / managerial skills

- Head of the Department for Education and Continuing Education of "Aurel Vlaicu" University of Arad (since 2019)

Director for the research projects:

- New chiral organo-antimony derivatives containing intramolecular coordination. Grant CNCSIS 1/93, 2004-2006, director of the project: Dana Maria Ban.
- Design, Synthesis and Applications of New Chimeric CPPs for Intracellular Delivery of Nucleic Acids and Drugs, Mobilitas MJD64, 2010-2013, director of the project: Dana Maria Copolovici.
- New Methods for Cell-Specific Delivery of Therapeutic Molecules, Project ETF 9438, 2012-2013, director of the project: Dana Maria Copolovici.
- Cell-penetrating peptides-containing systems as a potential platform for the use in breast and prostate cancer treatment, Project UEFISCDI PCE 98, 2022-2024, director of the project: Dana Maria Copolovici.

▪ Member in the Management Team for:

"Research Center in Natural and Technical Sciences", Project POSCCE- O.2.2.1, 2014-2015 co-funded by European Union and Romanian Government.

"Centru de cercetare în bio-eco-economie sustenabilă" Proiect co-finanțat din Fondul European de Dezvoltare Regională, prin Programul Operațional Competitivitate 2014–2020. POC/448/1/1/Mari infrastructuri de CD/1/Mari infrastructuri de CD, Cod 128019.

- Organization and leader of the research Microscopy laboratory from "Aurel Vlaicu" University of Arad
- Member in 22 national or international research projects.

▪ Ph.D. supervision for the Ph.D. Students:

- 1. Angela Corina Popitanu (born Pascu), Influența stresului abiotic și biotic asupra ecosistemelor, The influence of abiotic and biotic stresses on ecosystems (held in 28 Sept 2021)
- 2. Adriana Csakvari (born Asztalos): Determinarea compoziției chimice și a proprietăților biochimice și terapeutice a extractelor obținute din plante medicinale, Determination of the chemical composition and biochemical and therapeutic properties of herbal extracts (held in 28 Sept. 2021).

Joint-supervision:

- 1. Ph.D. thesis of Julia Suhorutsenko (2009-2012), supervisors: Prof. Dr. Ülo Langel and Dr. Dana Copolovici, held in 4 October 2012, with the title: "Cell-penetrating peptides: cytotoxicity, immunogenicity and application for tumor targeting" at Institute of Technology, Faculty of Science and Technology, University of Tartu, Estonia.
- 2. Ph.D. thesis of Mihaela-Alexandra Bogdan (2021), supervisors: Prof. Dr. Habil. Simona Bungău and Dana Copolovici : "Proprietăți fizico-chimice și beneficii terapeutice ale uleiului esențial de Lavandula angustifolia L.", Universitatea din Oradea);
- 3. Rîșteiu (Moț) Maria Daniela (2022), supervision Prof. Dr. Habil. Camelia Buhaș and Dana Copolovici: "Uleiurile esențiale – potențiale aplicații în mediul spitalicesc".

▪ Mentor of post-doctoral research project: PN-III-P1-1.1-PD-2019-0607 - Nanoparticule din deșeuri naturale cu potențiale aplicații medicale (NATWAMED), Nanoparticles from natural waste with potential medical applications, director Ph.D. Moisa Cristian.

▪ Organization of „STUDENT SCIENTIFIC SESSION”, organized by the Faculty of Food Engineering, Tourism and Environmental Protection, "Aurel Vlaicu" University of Arad, Romania, since 2016.

▪ Organization of „PhD Students' Days”, organized by the Faculty of Food Engineering, Tourism and Environmental Protection, "Aurel Vlaicu" University of Arad, Romania, since 2021.

▪ Member in the evaluation commission of 2 PhD theses and 1 Habilitation theses held at University of Oradea, Romania.

Digital skills	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem solving
	Proficient user	Proficient user	Independent user	Independent user	Independent user

Levels: Basic user - Independent user - Proficient user

[Digital competences - Self-assessment grid](#)

- Windows, GraphPad Prism, BDFACSDIVA, MAGELAN, MESTREC, NOVA, WIRE, LYRA, etc.

Other skills Spectroscopy (UV/VIS, IR, Raman, diode array spectrophotometer), gas chromatography, liquid chromatography, NMR spectroscopy, solid phase synthesis (manual and automated), synthesis of inorganic and organometallic compounds, Schlenk techniques, mass spectrometry (MALDI-TOF-MS, APCI-MS, ESI-MS), bioluminescence, cultured cells manipulations, flow cytometry, manipulation of laboratory animal models, microscopy (fluorescence, epifluorescence, confocal), atomic force microscopy, electron microscopy (SEM, TEM), immunohistology and histochemistry, X-ray diffraction studies.

Driving licence B

ADDITIONAL INFORMATION

Publications	<ul style="list-style-type: none"> ▪ 59 ISI Web of Science articles, 5 ISI Proceedings articles ▪ 14 articles in IDB journals ▪ 1 international patent ▪ 2 scientific books ▪ 2 book chapters
Citations	<p>Sum of Times Cited: 1818 (WoS), without self-citations: 1742 Hirsch index: 17 (WoS Clarivate), h-index: 23 (Google Scholar), i10-index: 37 (Google Scholar).</p>
Presentations/ Conferences	150 presentations at national and international conferences
Projects	<p>Director of 4 national or international research projects Member in 22 national or international research projects</p>
Honours and awards	<ul style="list-style-type: none"> ▪ Special Mention No 1 to "Aurel Vlaicu" University from Arad, Dr. Dana Copolovici, at InnoMatch Regional innovation Fair 3-4 April 2013, Arad International, for development of methodology of bleaching of kraft pulp using polyoxometalates. ▪ Best poster award for: Chemical Analysis and Antimicrobial Activity of <i>Lavandula Officinalis</i> L. Essential Oils, Dana M. Copolovici, Dana Radu, Georgeta Pop, Lucian Copolovici presented at The International Conference Agriculture for Life, Life for Agriculture, 09-11 June 2016, Bucharest, Romania ▪ Best poster award for: Variation in phenolic content and antioxidant activity of different plant parts of <i>Primula veris</i>, Andreea Lupitu, Daniel Tomescu, Claudia Anca Mot, Cristian Moisa, Dana Maria Copolovici, Lucian Copolovici, Agriculture for Life, Life for Agriculture, 9-11 Iunie, 2018, Bucharest, Romania. ▪ Best poster award for: "Essential oil composition, total phenolic content, and antioxidant activity - determined from leaves, flowers and stems of <i>Origanum vulgare</i> L. var. aureum", Cristian Moisa, Lucian Copolovici, Andreea Lupitu, Georgeta Pop, Virgiliu Ciutina, Dana Maria Copolovici,, Agriculture for Life, Life for Agriculture, 9-11 Iunie, 2018, Bucharest, Romania. ▪ Diploma de onoare (Honorary Diploma) from Romanian Chemical Society, 2018.
Memberships	<ul style="list-style-type: none"> ▪ Romanian Chemical Society (since 2001), ▪ The European Peptide Society (since 2008), ▪ Romanian Society of Biochemistry and Molecular Biology (since 2014), ▪ Romanian National Society of Environmental Sciences and Engineering (since 2017) ▪ Member in Consiliul Național de Atestare a Titlurilor, Diplomelor și Certificatelor Universitare (CNATDCU) – Biology and Biochemistry Commission (since 2017)
Expert	<p>UEFISCDI, Romania; The National Science Centre, Poland (Narodowe Centrum Nauki – NCN); The National Research Agency (ANR, France).</p>
Reviewer for	<p>Chemical Reviews, FEBS Letters, Scientific Reports, ACS Macro Letters, Chemical Communications, Marine Drugs, Synlett, Langmuir, Molecules, Pharmaceuticals, European Journal of Medicinal Chemistry, Therapeutic Delivery, Cellulose Chemistry and Technology, Computer Methods and Programs in Biomedicine, Current Drug Safety, Analyst, Food & Function, International Journal of Molecular Sciences, etc.</p>
Editor-in-chief	<p>Scientific and Technical Bulletin Series: Chemistry, Food Science & Engineering, "Aurel Vlaicu" University Publishing House, Arad, ISSN 1582-1021 (http://www.uav.ro/jour/index.php/stb-cfse)</p>

ANNEXES

List of publications.

Date: 25.04.2023

Prof. Dr. Habil. Dana Maria Copolovici