



Curriculum Vitae



Personal information

Surname(s) / First name(s) **CRISTEA CASTELIA EUGENIA**
Address(es) 11, Arany Janos, 400028 Cluj-Napoca
E-mail castelia.cristea@ubbcluj.ro
Nationality Romanian
Date of birth 07.06.1961

Academic training and positions

Dates/ Title of qualification awarded
1985 Faculty of Chemistry and Chemical Technology, "Babes-Bolyai" University Cluj-Napoca, Romania
Chemical engineer
1998 PH D at "Babes-Bolyai" University Cluj-Napoca
Doctor in chemistry

Work experience

Teaching/research/industry

Teaching courses:

Undergraduate level:

"Special Chapters of Organic Chemistry" (compounds of mixed functional groups, aromatic heterocyclic compounds, natural products: carbohydrates, lipids, proteins)

"Structural analysis in chemistry" (basics in IR spectroscopy, UV-Vis spectroscopy, NMR spectroscopy, Mass spectrometry)

Master level

"Retrosynthetic Analysis" (Transform-based strategies, Functional group-based strategies, Structure-goal strategies).

"Green Chemistry-theoretical and technological aspects"

Research interests:

Aromatic heterocyclic compounds containing nitrogen and sulfur (phenothiazine, quinoline, tiazole):

Synthetic organic chemistry, microwaves assisted organic synthesis, green chemistry.

Structural analysis by spectroscopic methods (IR, UV-Vis, NMR spectroscopy and mass spectrometry)

Potential applications as new functional dyes and biologically active compounds.

Personal skills and competences

Mother language Romanian

Other language(s) **English, French**

Self-assessment

Language

Language

Understanding				Speaking				Writing		
Listening		Reading		Spoken interaction		Spoken production				
English	C2	proficient	C2	proficient	C1	proficient	C1	proficient	C2	proficient
French		proficient		proficient		proficient		proficient		proficient

Awards and distinctions

"Babes-Bolyai University prize for the book entitled "Organic Chemistry of Natural Products" (in Romanian language) published in 2002

Technical skills and Competences

Computer assisted text processing, drawing, employing databases

Publications	2 books 60 scientific articles in ISI journals Researcher ID: ABD-1210-2021 Hirsch Index 13 (Web of Science)
Organisational Skills and Competences	Head of Chair of Organic Chemistry (2008-2012) Executive Editor <i>Studia UBB Chemia</i> journal (ISI) Graduate of Quality auditor for academic provider course (2010) Graduate of Academic management course (2009) Chairmen of the Commission for Evaluation and Quality Assurance at the Faculty of Chemistry and Chemical Engineering
Relevant publications	
	Books: "Identification of molecular structure by spectroscopic methods" (in Romanian language) Leontin David, <u>Castelia Cristea</u> , Onuc Cozar, Luiza Găină 420 pag. Editura Presa Universitară Clujeană, 2004 ISBN 973-610-332-3 "The Organic chemistry of natural products" (in Romanian language) <u>Castelia Cristea</u> , Ionel Hopârtean, Ioan A. Silberg, 600 pag. Editura Roprint, 2002 . ISBN 973-656-273-52.
Articles in ISI journals:	Researcher ID ABD-1210-2021

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3.12.2021

