

PERSONAL INFORMATION

Castelia Eugenia CRISTEA



📍 Cluj-Napoca, Romania
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Date of birth 07.06.1961 | Nationality Romanian

POSITION

Associated professor
 Chemistry Department
 Faculty of Chemistry and Chemical Engineering
 Babes-Bolyai University

WORK EXPERIENCE

- 2003- in present Associated professor
- 1994-2003 Lecturer
- 1990-1994 Assistant
 Faculty of Chemistry and Chemical Engineering
 Babes-Bolyai University, Cluj-Napoca, Romania
- 1988-1990 Researcher
 Raluca Ripan Chemistry Institute, Cluj Napoca
- 1995-1998 Chemical Engineer
 Soda factory Ocna Mures, Alba county, Romania

EDUCATION AND TRAINING

- 1998 PhD in Chemistry
 Babes-Bolyai University
- 1980-1985 Chemical Engineer
 Specialization Technology of Organic Substances
 Faculty of Chemistry and Chemical Engineering
 Babes-Bolyai University, Cluj-Napoca, Romania

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
	TOEFL				
French	C2	C2	C2	C2	C2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

Communication skills Contacts with teaching staff, researchers and students during international mobilities at various Universities such as University of Veszprem Hungary, Universitee de la Mediteranee Marseille France, Universite Cote d-Azur, Nisa, France, "St. Cyril and Methodius" University Trnava, Slovakia , Comenius University Bratislava, Slovakia, Lviv University Ucrain, Universities in Kielce Poland, Porto and Braganca Portugal, Nis Serbia, Kuala Lumpur Malaezia, Almaty Kazahstan,

Organisational / managerial skills

2008-2011 Head of Organic Chemistry Chair
Faculty of Chemistry and Chemical Engineering
Babes-Bolyai University, Cluj-Napoca, Romania

2009 University Management course graduate

2010 Quality Auditor course graduate

Job-related skills

President of the Evaluation and Quality Assurance Commission
Faculty of Chemistry and Chemical Engineering
Responsible for the chemical engineering specialization: "Chemistry and Engineering of Organic Substances, Petrochemistry and Carbochemistry

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 topics

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

ADDITIONAL INFORMATION

- Publications**
- Articles** 64 original articles in ISI journals
Web of science Researcher ID ABD-1210-2021
ORCHID ID: 0000-0003-1138-2596
- Books** “*Identification of molecular structure by spectroscopic methods*” (in Romanian language)
Leontin David, Castelia Cristea, Onuc Cozar, Luiza Găină
420 pag. Ed. Presa Universitară Clujeană, **2004** ISBN 973-610-332-3
“*The Organic chemistry of natural products*” (in Romanian language)
Castelia Cristea, Ionel Hopârtean, Ioan A. Silberg,
600 pag. Editura Roprint, **2002**. ISBN 973-656-273-52.
- Projects** PN-III-P4-ID-PCCF-2016-0142 “New Targeted Optical Imaging NanoProbes for Near-Infrared (NIR)Real-Time (RT)Image-Guided Surgery of Ovarian Cancer”
- Conferences** Participations to more than 30 international scientific conferences
- Memberships** Member of the Romanian Chemical Society