

CURRICULUM VITAE

Personal information

Surname(s) / First name(s) **TOȘA MONICA IOANA**
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Date of birth 01.05.1967
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Academic training and positions

Dates 2015
Title of qualification awarded Abilitation in Chemistry: *BIOCATALYTIC APPROACHES FOR THE STEREOSELECTIVE SYNTHESIS OF CHIRAL BUILDING BLOCKS*
Dates 1991-2001
Title of qualification awarded PhD in Chemistry: *STEREOSELECTIVE SYNTHESIS IN THE PHENOTHIAZINE SERIE*
Name and type of organisation Babes-Bolyai University, Cluj-Napoca
Dates 1985-1990
Title of qualification awarded Chemical Engineer, Diploma *Magna cum Laude*
Name and type of organisation Babes-Bolyai University of Cluj-Napoca, Faculty of Chemistry and Chemical Engineering

Work experience

Name and address of employer Babes-Bolyai University of Cluj Napoca, Faculty of Chemistry and Chemical Engineering , Department of Biochemistry and Biochemical Engineering, M. Kogălniceanu nr.1
Date **2017-present**
Occupation or position held Professor
Main activities and responsibilities *Teaching:* Applied Biotransformation in Food, Pharmaceutical and Organic Industries, Biotechnology of drugs, Biotechnology of Foods, Bicatalsis; Applied bioprocesses; responsible for Biochemical Engineering (BSc), Organic and Biochemical Process Engineering (MS) programs
Research: sustainable process development by biocatalysis and biotransformation; immobilized biocatalysts; bioreactors and bioprocesses; green and sustainable process development; nanomaterials preparation and application; chiral drug and building blocks by biotransformation and chemoenzymatic synthesis; drug delivery systems.
Dates **2008-2017**

Occupation or position held	Associated professor
Dates	1998-2008
Occupation or position held	Lecturer
Dates	1994-1998
Occupation or position held	Teaching assistant
Dates	1990-1994
Occupation or position held	Research assistant
Dates	July 2004-september 2004
Occupation or position held	Researcher – DAAD fellowship
Name and address of employer	Technical University Karlsruhe, Institute for Organic Chemistry and Biochemistry, Germany
Dates	1993-1998
Occupation or position held	Teaching assistant
Dates	May 1997-september 1998
Occupation or position held	Researcher – DAAD fellowship
Name and address of employer	Technical University Karlsruhe, Institute for Food Technology, Germany
Dates	1990-1993
Occupation or position held	Laboratory assistant

Personal skills and competences

Mother tongue(s) **Romanian**

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

Social skills and competences Team spirit, good communication skills

Organizational skills and competences Good experience in team and projects management
Reviewer for relevant journals in the field of biocatalysis, bioorganic synthesis, bioprocess and bioengineering

Technical skills and competences Useful skills in purification and immobilization of enzymes, nanomaterials preparation, biocatalysis, designing and control of drug synthesis, pilot plant for organic synthesis, biotransformations, organic compounds spectral analysis

Computer skills and competences Good experience with Microsoft Office tools (word, excel, power-point, chem-office)

Research interests **Biocatalysis, Bioorganic synthesis, Drug development, Bioprocesses and bioreactors, Nanomaterials**

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H-index 19 (Scopus, Web of science)