



Europass Curriculum Vitae

Personal information

NAME **Tótos Róbert**

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Nationality Romanian citizen

Date of birth 1975. dec. 04

Gender M

Occupational field Chemical education / Chemical research

Work experience

Dates feb.2020 - present

Occupation or position held Lecturer

Main activities and responsibilities Didactic and research activity in chemistry

Name and address of employer Faculty of Chemistry and Chemical Engineering, "Babeş-Bolyai" University Cluj-Napoca, Arany János str. No. 11

Type of business or sector Higher Education, research in the field of chemistry and chemical engineering

Dates nov.2016 – feb. 2020

Occupation or position held Research Assistant

Main activities and responsibilities Research activity in the field of chemistry and chemical engineering
Structural analysis of substrates for enzymatic reactions, development of microreactors for immobilized enzymes and magnetic nanoparticles, development of magnetically addressable microchip cells, for analysis and biotransformations mediated by enzymes, within the project " Nanoscale Enzyme Immobilization and Microfluidics for Systems Biocatalysis-(NEMSyB) "
(Code My SMIS: 103413)

Name and address of employer Faculty of Chemistry and Chemical Engineering, "Babeş-Bolyai" University Cluj-Napoca, Arany János str. No. 11

Type of business or sector Higher Education, research in the field of chemistry and chemical engineering

Dates apr. 2007 – may 2016

Occupation or position held Chemist, Head of Bioanalytical Laboratory

Main activities and responsibilities Development of bioanalytical methods, biological sample analysis, involved in more than 60 bioequivalence trials

Name and address of employer S.C. KYNETYX HT S.R.L Cluj-Napoca, Str. Frunzisului No. 34

Type of business or sector Chemical Research, clinical laboratory

Dates feb. 2005 – apr. 2007

Occupation or position held Chemist, research laboratory

Main activities and responsibilities Development of new cosmetic products and household chemicals
 Name and address of employer S.C. FARMEC S.A - Research Laboratory, Cluj-Napoca, Str. Henry Barbusse No. 16
 Type of business or sector Manufacturing of cosmetic products

Dates Feb. 2004 – Feb. 2005

Occupation or position held Network engineer

Main activities and responsibilities IT network management, maintenance
 Name and address of employer "Raluca Ripan" Institute for Research in Chemistry Cluj-Napoca, Str. Fintinele No. 30
 Type of business or sector Chemical Research

Education

Dates 1998-2003

Title of qualification awarded Ph. D.

Principal subjects/occupational skills covered Ph.D. student, research in the field of Chemistry of Four- and Five-Membered Diphospha Heterocycles

Name and type of organisation providing education and training Faculty of Chemistry and Chemical Engineering, "Babeş-Bolyai" University Cluj-Napoca - Inorganic Chemistry department under the guidance of Prof. Dr. Ion Silaghi-Dumitrescu

Research activity at the Institute for Inorganic and Analytical Chemistry at Technical University of Braunschweig Germany (Feb. 1999 - Dec 2002) under the guidance of Prof. Dr. Manfred Fild

Dates 1994-1998

Title of qualification awarded Licensed in Chemistry

Principal subjects/occupational skills covered Student, chemical education (inorganic chemistry - polyoxometallates)

Name and type of organisation providing education and training Faculty of Chemistry and Chemical Engineering, "Babeş-Bolyai" University Cluj-Napoca

Training

Date 02-09.07.2007.

Principal subjects/occupational skills covered Training course in liquid chromatography coupled with triple quadrupole mass spectrometry (LC/MS/MS) and using the Agilent series 1200/6410 system

Name and type of organisation providing education and training SC Agilrom Scientific SRL

Date 01.10-30.11.2005

Principal subjects/occupational skills covered Training course "Uleiuri Volatile cu Actiune Antimicrobiana"

Name and type of organisation providing education and training University of Medicine and Pharmacy "Iuliu Hatieganu" Cluj-Napoca

Personal skills and competences

Mother tongue(s) Hungarian

Other language(s) Romanian, English, German

Self-assessment

European level

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	

Romanian	C2	C2	C2	C2	C2
English	C2	C2	C2	C2	C2
German	C2	C2	C2	C2	C2

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

Technical skills and competences	<ul style="list-style-type: none"> - Liquid chromatography (HPLC) coupled with Mass spectrometry (MS) - Nuclear magnetic resonance spectroscopy (NMR), Gas-chromatography (GC/ GC-MS) - IR, UV-VIS spectroscopy - Rheology – viscosity measurements of thixotropic systems - Chemistry of natural compounds (alkaloids, carbohydrates, enzymes) – synthesis and structure determination - Chemistry of organometallic compounds - synthesis and structure determination
Computer skills and competences	<ul style="list-style-type: none"> - Computational chemistry / molecular modelling (Spartan, Gaussian, Gamess) - PC operation (Office, ChemOffice, Photoshop, Digital Audio/Video), scientific documentation from the Internet; medium level knowledge of Linux OS.
Artistic skills and competences	Not applicable
Other skills and competences	Hobby electronics, Photography
Driving licence	Not applicable
Additional information	Not applicable
Papers	Web of Scienc: https://www.webofscience.com/wos/author/record/2093037
Annexes	Not applicable

May 29th 2024