

## PERSONAL INFORMATIONS



## Miclăuș Maria-Olimpia

- Cluj-Napoca, Romania
- +40 264 58 40 37 int. 164
- maria.miclaus@itim-cj.ro

## OCCUPATIONAL FIELD Scientific researcher

### WORK EXPERIENCE

01.04.2019 - present

#### Scientific researcher III

National Institute for Research and Development of Isotopic and Molecular Technologies, Department of Molecular and Biomolecular Physics, Cluj –Napoca, Romania [www.itim-cj.ro](http://www.itim-cj.ro)

Structural analysis by X-ray diffraction

[Research and Development](#)

28.03.2015 – 28.03.2019

#### Scientific researcher

National Institute for Research and Development of Isotopic and Molecular Technologies, Department of Molecular and Biomolecular Physics, Cluj –Napoca, Romania [www.itim-cj.ro](http://www.itim-cj.ro)

- X-ray diffraction

[Research and Development](#)

01.10.2011-27.03.2015

#### Research assistant

National Institute for Research and Development of Isotopic and Molecular Technologies, Department of Molecular and Biomolecular Physics, Cluj –Napoca, Romania

- X-ray diffraction, new solid forms of active ingredients

[Research and Development](#)

### EDUCATION AND TRAINING

2011-2018

#### PhD Degree in physics

“Babes–Bolyai” University, Cluj-Napoca, Romania, Faculty of Physics;1 Kogălniceanu, 400084 Cluj-Napoca, Romania [www.ubbcluj.ro](http://www.ubbcluj.ro)

- theme: use of complementary techniques for crystal structure determination
- thesis: Structural characterization of bioactive compounds by NMR crystallography, Advisor: Prof Dr. David Leontin

2016-2017

#### Innovation Manager

- GEA STRATEGY & CONSULTING

▪ theme: development and implementation of innovation strategies, evaluation of the innovation process

2009-2011

#### Master Degree in Medical Physics

“Babes–Bolyai” University, Cluj-Napoca, Romania, Faculty of Physics;1 Kogălniceanu, 400084 Cluj-Napoca, Romania [www.ubbcluj.ro](http://www.ubbcluj.ro)

- theme: structural characterization by X-ray diffraction
- thesis: Crystal structure determination of copper complexes with sulfanilamide, Advisor: Prof. Dr. David Leontin

2005-2009

#### Bachelor Degree in Physics

“Babes–Bolyai” University, Cluj-Napoca, Romania, Faculty of Physics;1 Kogălniceanu, 400084 Cluj-Napoca, Romania [www.ubbcluj.ro](http://www.ubbcluj.ro)

- theme: structural characterization by X-ray diffraction

2001-2005

▪ thesis: Crystal structure determination from powder X-ray diffraction, Advisor: Prof. Dr. David Leontin

**Baccalaureate**

"Dragos-Voda" Highschool, Sighetu-Marmatiei, Romania;

**Scholarships, workshops and courses**

13.02-03.03.2017

**Theoretical and Practical Training in In-depth Technology Transfer, Innovation Management and Entrepreneurship**

GEA Strategy & Consulting SA

Trainers: Nicolae Ionescu, Alexandru Marin, Andrei Catana

INCDTIM, Cluj-Napoca

11.06-18.06.2014

Conference participation: The 15<sup>th</sup> European Powder Diffraction Conference, IC Crystallography Institute, Bari, Italy

09.06-15.06.2014

Participation at the Workshop: International Expo/Sir Workshop, IC Crystallography Institute, Bari, Italy

**PERSONAL SKILLS**

**Mother tongue(s)**

Romanian

**Other language(s)**

English

French

Italian

**UNDERSTANDING**

**Listening**

**Reading**

**SPEAKING**

**Spoken interaction**

**Spoken production**

**WRITING**

B1

B1

B1

B1

B1

B1

B1

B1

B1

B1

A1

A1

A1

A1

A1

**Organizational skills**

Effective communication in interdisciplinary teams, interactive communication, interpersonal communication, planning of own activity

**Digital competence**

**Information processing**

**Communication**

**SELF-ASSESSMENT**

**Content creation**

**Security**

**Problem solving**

Experienced user

Independent user

Independent user

Independent user

Independent user

• a good command of the Office suite (word processor, spreadsheet, presentation software ), knowledge of applications with vector graphics (Adobe Illustrator), structural characterization on solids (Reflex Plus Modul within the software Accelrys Materials Studio (MS), CrysAlisPro, Olex2, SHELXL, SHELXS, FullProf suite, Match, X'Pert Plus, PDXL), 3D view structures (Mercury, Diamond), 3D representation tools (Origin), database: PDF-4, Reaxys, CCDC

**Driving licence**

B

**ADDITIONAL INFORMATION**

**Projects**

▪ 15 projects as a member in research / implementation team

Most relevant:

▪ POC 2014-2020 ID 40\_404 SMIS 105533 TTC-ITIM 18/01.09.2016 *Increasing technological and knowledge transfer capacity of INCDTIM Cluj in the field of bioeconomics* <http://www.itim-cj.ro/poc/ttc> (2016-2021)

▪ POS CCE 2007-2013 ID 536 SMIS 12011 HTPHARMA 234/16.08.2010 *Modern high-throughput methodologies for obtaining and characterizing new solid forms of pharmaceutical compounds* <http://www.itim-cj.ro/pos/htpharma> (2010-2014)