

## Catalin Maxim

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Languages: English, French

### Education

Post-doc (February 2010-January 2011): University of Strasbourg, LCCO (Prof. Sylvie Ferlay and Prof. Mir Wais Hosseini)

Post-doc (February 2011-January 2012): Grenoble High Magnetic Field Laboratory (LNCMI)  
(Professor Cyrille Train)

**2009 PhD** – “Summa cum laude” from University of Bucharest, Faculty of Chemistry, Inorganic Chemistry Department and University of Angers, France

- Thesis title: “Structures étendues et discrets dans la chimie de coordination en utilisant des ligands type base de Schiff tridentates et cyano bis-phosphonates”

- Advisor: prof. Marius Andruh, and DR2 Narcis Avarvari

**2008 BSc** – University Dimitrie Cantemir of Bucharest, Faculty of International Economic Relations

**2006 BSc** – University of Bucharest, Faculty of Biochemistry

- Thesis title: „Copper complexes with antimicrobial activity”

**2005 MSc** – University of Bucharest, Faculty of Chemistry, Inorganic Chemistry Department

- Thesis title: „Phenylcarboxylates – models for spin polarisation mechanism”

**2003 BSc** – University of Bucharest, Faculty of Chemistry

- Thesis title: „Systèmes Cu(II) - urée et dérivés, *L*- cystine et *L* - cystéine”

2016 University of Bucharest, Faculty of Chemistry

### Employment

2018- University of Bucharest, Faculty of Chemistry Position *Lecturer*

2016- University of Bucharest, Faculty of Chemistry Position *Assistant Professor*

2012--“Pure and Applied Inorganic Chemistry” Research Center (University of Bucharest, Romania) Position: *Research Scientist III*

Feb. 2010 – Jan. 2012: Grenoble High Magnetic Field Laboratory Position: *Post-doctoral* („Synthesis and processing of molecule-based multiferroics” ANR-08-JCJC-0113-01 project)

Oct. 2007 – Jan. 2010: “Pure and Applied Inorganic Chemistry” Research Center (Bucharest, Romania) Position *Research Assistant*

### Fellowships

- University of Angers, School of Chemistry, U.K., March 2008, research stay funded by EC NoE Network MAGMANet, Program PF6

- “Training School on NMR, MRI,  $\mu$ SR and Mossbauer techniques”, University of Pavia, Italy, Sep. 2006, funded by EC NoE Network MAGMANet, Program PF6

### Awards

- Romanian Government Scholarship during PhD studies, 2005-2008

- Romanian Government Merit Scholarship during MS studies – only best 10% of the students can get it, 2003-2005

- Romanian Government Merit Scholarship during undergraduate studies – only best 5 % of the students can get it, 2000 – 2003

### Open science

-mentor at MSciTeh - Science Summer School organized by UB in collaboration with Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering (IFIN-HH) since 2020

-Inorganic Chemistry Department representant at European Researchers' Night (where I have permanently activated since 2018).

-*hand-on experiments*, for high-school students, in collaboration with UniCo (children university)

-open doors at Faculty of Chemistry -activated since 2019

-Coordinating B.Sc/M.Sc thesis since 2016 (>25), member of the advisory committees of 5 PhD students according to the Romanian rules for doctoral studies

-Member of the Department Council ( 2019-ongoing)

### **Research project memberships - 11 projects**

#### **Research project director 3 projects**

1. “Chiral building-blocks in designing molecular magnetic materials”
2. „Paramagnetic polyoxometalates (POMs) as metalloligands for constructing heterotriscipin complexes”
3. „Design of new antenna ligands for obtaining lanthanide based luminescent materials”

**Reviewer for journals:** *Cryst. Growth Des.*, *RSC Adv.*, *Crystals.*, *New J. Chem.*, *J. Mol. Struct.*, *Rev. Rou. Chim.*, *MATCHEMPHYS*, *IJMS.*

#### **Achievements:**

- **79** papers published in international ISI journals, participations to conferences and congresses **20** oral conferences; **30** posters; over **15** coordinated students presentations at national students congresses

**Number of citations** (Citing Articles without self-citations): **1236** (-2023).

[https://www.researchgate.net/profile/Catalin\\_Maxim](https://www.researchgate.net/profile/Catalin_Maxim)

Web of Science ResearcherID: J-9380-2019