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 antimicrobian activity"

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

- Thesis title: „Phenylcarboxylates – models for spin polarisation mecanism"

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 Appllied 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, μSR and Mossbauer techniques", University of Pavia, Italy, Sep. 2006, funded by EC NoE Network MAGMANet, Program PF6

Awards

- Romanian Governement Scholarship during PhD studies, 2005-2008
- Romanian Governement Merit Scholarship during MS studies – only best 10% of the students can get it, 2003-2005
- Romanian Governement 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 colaboration 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 heterotrispin 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:

- **80** 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). H.I. **20**
https://www.researchgate.net/profile/Catalin_Maxim
Web of Science ResearcherID: J-9380-2019