

## **Diana-Beatrice VISINESCU**

“Ilie Murgulescu” Institute of Physical Chemistry, Romanian Academy, Bucharest, Romania Born on 22<sup>th</sup> April 1974, in Ploiesti-Prahova, Romania.

### **EDUCATION AND TRAINING**

- **Ph.D. in Chemistry (1998 - 2002).** Academic supervisor: Professor Marius Andruh, University of Bucharest, Faculty of Chemistry.
- **M.Sc. in Inorganic Chemistry (1997 - 1998),** University of Bucharest, Faculty of Chemistry.
- **B. Sc. (1992–1997) in Chemistry,** University of Bucharest, Faculty of Chemistry.

### **Training:**

- *crystallography: Zürich School of Crystallography, 06-22.06.2013, University of Zürich, Switzerland.*

- *magnetism: Molecular materials: synthesis and theoretical approach. Magnetic, chiral materials, 31.03 - 04.04.2014, University of Bucharest, Romania*

### **POSITIONS**

**2018 – present: Senior Researcher 1,** Coordination and Supramolecular Chemistry Laboratory, “Ilie Murgulescu” Institute of Physical Chemistry, Romanian Academy.

**2014 – 2018: Senior Researcher 2,** Coordination and Supramolecular Chemistry Laboratory, “Ilie Murgulescu” Institute of Physical Chemistry, Romanian Academy.

**2002 – 2014: Junior/Research Assistant/Senior Researcher 3,** “Ilie Murgulescu” Institute of Physical Chemistry, Romanian Academy.

**1999 – 2006: Teaching/Research Assistant,** University of Bucharest, Faculty of Chemistry, Department of Inorganic Chemistry, Bucharest, Romania.

### **RESEARCH EXPERIENCE**

#### **Research stages**

**2009, 2012-2018:** visiting scientist (1-2 months) at the Institute for Molecular Science (ICMol), University of València, Spain.

**June 2012:** visiting scientist at Laboratoire de Chimie de Coordination, CNRS, Université Paul Sabatier, Toulouse, France.

**April 2006 - May 2007, February 2008 - July 2008:** postdoctoral research fellow at the Institute for Molecular Science (ICMol), University of València, Spain.

**February 2004 – July 2004:** postdoctoral research fellow at Institut de Chimie de la Matière Condensée de Bordeaux (ICMCB), University of Bordeaux 1, Pessac, France.

**January 2002 – July 2002:** Ph.D. research stage at Laboratoire de Chimie Inorganique, ICMMO, University of Paris – Sud, Orsay, France.

**Research fields:**

- **Coordination chemistry** - Heteropolymetallic complexes; Metallo-Supramolecular Chemistry; Cyanido-bridged complexes. *Molecular magnetism* – Single-molecule and single chain magnets. *Crystal engineering*.
- **Materials Chemistry** - Eco-friendly synthesis of nanosized and hierarchically structured metal oxides. Antibacterial properties and (photo)catalytic activity of the nano-oxides processes.

The research activity was materialized in **48 articles** published in ISI ranked journals, as follows:

- **30 articles as main author (14 articles as corresponding author);**
- **36 articles placed in top 50% in AIS based hierarchy in the last ten years; 22 articles placed in top 25 % in AIS based hierarchy**
- **3 invited articles** (*CrystEngComm*. **2010**, *12*, 2454, *New talent* Themed Issue; *Dalton Trans.* **2012**, *41*, 13578, *Frontier and Perspectives in Molecule-Based Quantum Magnet* Themed Issue- **both as corresponding author** and *Dalton Trans.* **2010**, *39*, 5028, *Molecular Magnets* - **as first author**).
- **1160 / 1238 / 1259 citations** (sources ISI Web of Science-Thompson Reuters/Scopus Elsevier/Google Scholar, October 2019) with a Hirsch index, ***h* = 20**. Two articles with more than 100 citations: *Chem. Eur. J.* **2009**, *15*, 11808 – **181 citations** and *J. Am. Chem. Soc.* **2006**, *128*, 10202 – **113 citations** (source: ISI Web of Science-Thompson Reuters, October 2019)
- **two published chapter book** (Springer and Romanian Academy publishing houses), **two RO patents** (RO126757/12.11.2010 and RO132298/10.06.2016) and **one patent application**.
- **27 communications** (posters and oral presentations) at national/international conferences.

**Research projects:**

**As principal investigator/director:**

- **Young research teams PN-II-RU-TE-2011-3-0126, 2011–2014, *Molecular and Supramolecular Heterotrimetallic Systems: towards a new generation of molecular magnetic materials*.**
- **ANSTI project type L** (laboratory), No. 6154, theme B7, **2000**.
- **Two COST actions:** CM1203 *Polyoxometalate chemistry for molecular nanoscience (POCHEMON)*, **2012-2016**, and CA15128 *Molecular Spintronics (MOLSPIN)*, **2015-2020** (member in the national management committee)

**Team member in ca. 20 national projects and 1 international project.**

**AWARDS:** "*Gheorghe Spacu*" Prize for Chemistry of the Romanian Academy (2011).

**OTHER RELEVANT INFORMATION:** Member of the Romanian Chemical Society.