

Manda Ćurić, Curriculum vitae

• PERSONAL INFORMATION

Ćurić, Manda:

Identification number of the scientist: 124246

URL for web site: <http://www.irb.hr/Ljudi/Manda-Curic>

• EDUCATION

Ph.D. 1995. Ruđer Bošković Institute, Zagreb *Field: Chemistry*

M.Sc. 1987. Faculty of Science, University of Zagreb, Zagreb *Field: Chemistry*

B. Sc. 1985. Faculty of Science, University of Zagreb, Zagreb *Field: Chemistry*

• CURRENT POSITION(S)

2011-current Senior Research Associate, Division of Physical Chemistry, Ruđer Bošković Institute

• PREVIOUS POSITIONS

2002-2011 Research Associate, Division of Physical Chemistry, Ruđer Bošković Institute

1995-2002 Senior Research Assistant, Division of Physical Chemistry, Ruđer Bošković Institute

1987-1995 Research Assistant, Division of Physical Chemistry, Ruđer Bošković Institute

1985-1987 Junior Research Assistant, Division of Physical Chemistry, Ruđer Bošković Institute

• FELLOWSHIPS AND AWARDS

2011 RBI director's annual award for high impact factor publication in chemistry

• SUPERVISION OF DOCTORAL AND POSTDOCTORAL STUDENTS

2010 – 2013 Dr Marina Juribašić, postdoctoral student

Ruđer Bošković Institute

2008 Željka Topolovac, graduate student

"A New Class of Cyclopalladated Azobenzene Complexes"

B. Sc. Thesis, Faculty of Science, University of Zagreb, Supervisor

• TEACHING ACTIVITIES

2004-2012 General Chemistry (Laboratory)

Faculty of Science, University of Zagreb.

2011-2013 Supervisor of 3 undergraduate student works

• MEMBERSHIPS

2002-current Member of the Scientific Council for Chemistry, Ruđer Bošković Institute, Zagreb

2012-current Member of the professional committees of Ruđer Bošković Institute and Faculty of Science, University of Zagreb, in awarding Research Associate and Senior Research Associate degrees and positions

1990-current Croatian Chemical Society

• MAJOR SCIENTIFIC COLLABORATIONS

Prof. Janez Plavec National Institute of Chemistry, Ljubljana, Slovenia (4 common publications)

2012-2013 EU FP7 Project "East-NMR" for NMR Access to SLOMR-NIC *"NMR Study of Pd(II) and Pt(II) Cyclometallated Complexes of Azobenzenes"*

2005-2007 Slovenia-Croatia collaboration project *"Cyclopalladated Complexes of Azobenzenes"*

Prof. Ariella Furlani Department of Biomedical Sciences, University of Trieste, Italy (2 common publications)

1990-2002 Collaborative project with University in Trieste *"Metal Complexes of the Biological and Pharmacological Interest"*

Prof. Erik De Clercq Rega Institute for Medical Research, Catholic University of Leuven, Belgium (2 common publications)

Study of the cytotoxic and antiviral activity of Pd complexes

Prof. Marina Cindrić Faculty of Science, University of Zagreb, Croatia (3 common publications)

Study of the Ni(II) and Mo(V) complexes

• PROJECTS

2014-2015 **Researcher** under Slovenia-Croatia collaboration project, *"Three synthetic approaches to dipalladated azobenzene complexes with phosphine ancillary ligands"*, National Institute of Chemistry, Slovenian NMR Center, Ljubljana (results reported in *Organometallics*, **2014**, *33*, 1227).

2010-2013 **Principal Investigator** under Ministry of Science, Education and Sports of the Republic of Croatia project (Grant No.098-0982915-2950) *"Design, Synthesis and Properties of Organic Ligands and Their Metal Complexes"*

2006-2010 **Researcher** under Ministry of Science, Education and Sports of the Republic of Croatia project *"Design, Synthesis and Properties of Organic Ligands and Their Metal Complexes"*

- 2012-2013 **Group Leader** under EU FP7 Project "East-NMR" (Grant No. 228461P) for NMR Access to SLONMR-NIC "NMR Study of Pd(II) and Pt(II) Cyclometallated Complexes of Azobenzenes"
- 2002-2006 **Researcher** under Ministry of Science, Education and Sports of the Republic of Croatia project (Grant No. 0098035) "Structural and Biological Investigation of New Complexes"
- 2005-2006 **Principal Investigator** under Slovenia-Croatia collaboration project "Cyclopalladated Complexes of Azobenzenes", National Institute of Chemistry, Slovenian NMR Center, Ljubljana
- 1997-2002 **Researcher** under Ministry of Science, Technology and Informatics of the Republic of Croatia project (Grant No. 00980607), "Structural and Biological Investigation of the Organic and Organometallic Compounds"
- 1990-2002 **Researcher** under Collaborative project with University in Trieste "Metal Complexes of the Biological and Pharmacological Interest"
- 1991-1996 **Researcher** under Ministry of Science, Technology and Informatics of the Republic of Croatia (Grant No. 1-07-165) "Structure, Properties and Reactivity of Chemical Species"
- 1989-1991 **Researcher** under Italy-Croatia collaboration project "In Vitro Cytostatic Activity of New Metallo-Organic Complexes"
- 1988-1990 **Researcher** under Ministry of Science and Technology of the SFRJ project (Contract No.Pr-30)", "Electronic and Optoelectronic in the Future"
- 1988-1990 **Researcher** under Ministry of Science and Technology of the SFRJ project (Contract No.Pr-114) ", New Materials and Superconducting Technologies"

• **MANUSCRIPTS REVIEWER for:**

Inorganic Chemistry, Journal of Organometallic Chemistry, *Croatica Chemica Acta*

• **PUBLICATIONS** 30, 28 Scientific publications in peer-reviewed journal, 1 Technical publication and 1 Conference paper, over 350 citations (WoS and Scopus), average citations=12.55

<https://bib.irb.hr/lista-radova?autor=124246>

• **SELECTED PUBLICATIONS**

- 1.1. Juribašić, M.; Užarević, K.; Gracin, D.; Ćurić, M.*
Chem. Commun. **2014**, 50, 10287. (IF 6.718, Q1)
- 1.2. Juribašić, M.; Halasz, I.; Babić, D.; Cinčić, D.; Plavec, J.; Ćurić, M.* *Organometallics*, **2014**, 33, 1227. (IF 4.253, Q1)
- 1.3. Juribašić, M.*; Budimir, A.; Kazazić, S.; Ćurić, M.*
Inorganic Chemistry, **2013**, 52, 12749. (IF 4.794, Q1)
- 1.4. Cinčić, D.; Juribašić, M.; Babić, D.; Molčanov, K. Šket, P.; Plavec, J.; Ćurić, M.* *Chem. Commun.* **2011**, 47, 11543. (IF 6.718, Q1)
- 1.5. Juribašić, M.; Ćurić, M.*; Molčanov, K.; Matković-Čalogović, Babić, D.* *Dalton Transactions*, **2010**, 39, 8769. (IF 4.098, Q1)
- 1.6. Babić, D.*; **Ćurić, M.**; A.; Molčanov, K.; Ilc, G.; Plavec, J.
Inorganic Chemistry, **2008**, 47, 10446. (IF 4.794, Q1)
- 1.7. Molčanov, K.; **Ćurić, M.***; Babić, D.; Kojić-Prodić, B.
Journal of Organometallic Chemistry, **2007**, 692, 3847. (IF 2.302, Q2)
- 1.8. **Ćurić, M.***; Babić, D.; Višnjevac, A.; Molčanov, K.
Inorganic Chemistry, **2005**, 44, 5975. (IF 4.794, Q1)
- 1.9. **Ćurić, M.***; Babić, D.; Marinić, Ž, Paša-Tolić, Lj.; Butković, V.; Plavec, J.; Tušek-Božić, Lj. *Journal of Organometallic Chemistry*. **2003**, 687, 85. (IF 2.302, Q2)
- 1.10. **Ćurić, M.**; Tušek-Božić, Lj.; Vikić-Topić, D.; Furlani, A.; Scarcia, V.; Balzarini, J.; De Clercq, E.
Journal of Inorganic Biochemistry, **1996**, 63, 125. (IF 3.274, Q1)

• **RESEARCH INTERESTS**

Organopalladium chemistry: Development of procedure for the synthesis of cyclopalladated azo aromatic compounds and their unsymmetrical substituted derivatives with different ancillary ligands in solid state and solution; Kinetics and mechanism of their formation; Study of on the structural, dynamical and photophysical properties of complexes by various experimental methods (X-ray diffraction analysis, NMR, IR, Raman, UV-vis and fluorimetric spectroscopies and ESI mass spectrometry) as well as the rationalization of their structural and photophysical properties by quantum-chemical calculations; Development of chromogenic and fluorescent bioprobes based on the organopalladium complexes of aromatic azo ligands.