

Curriculum Vitae

Family name, First name: Arion, Vladimir

Researcher unique identifier(s): ORCID: 0000-0002-1895-6460, ResearcherID: P-7932-2015

Date of birth: 08.09.1958

Nationality: Moldovian (citizenships: Moldovian, Austrian, and Romanian)

URL for web site: <https://anorg-chemie.univie.ac.at/research/bioinorganic-chemistry/group-vladimir-arion/>

Studies and academic background

- Habilitation at the University of Vienna, Austria (2003)
- PhD, Institute of Physical Chemistry, Ukrainian Academy of Sciences, Kiev, Ukraine (21.01.1986)
- Diploma work, Department of Inorganic Chemistry, Faculty of Chemistry, Kishinev State University, Moldova (1980)

Professional Experience

- 2003-present Associate Professor, Faculty of Chemistry/Institute of Inorganic Chemistry, University of Vienna, Austria
- 2000-2003 Assistant Professor, Institute of Inorganic Chemistry, University of Vienna
- 1999-2000 Academic visitor (Chercheur Associé, poste rouge du CNRS), Laboratoire de Chimie de Coordination du CNRS, Toulouse, France
- 1998-1999 Academic visitor, Laboratoire de Cristallographie et Physicochimie du Solide, E.N.S.C. de Lille, Villeneuve d'Ascq, France
- 1998-1998 Alexander von Humboldt Fellow, Max-Planck-Institut für Kohlenforschung, Mülheim an der Ruhr, Germany
- 1997-1998 Academic visitor, Inorganic Chemistry Laboratory, Oxford University, England
- 1996-1997 Research Associate, Department of Chemistry, Odense University, Denmark
- 1995-1996 Research Associate, MPI für Strahlenchemie, Mülheim an der Ruhr, Germany
- 1993-1995 Postdoc, Alexander von Humboldt Fellow, MPI für Kohlenforschung, Mülheim an der Ruhr, Germany
- 1991-1993 Vice-Director, Institute of Chemistry, Academy of Sciences of Moldova, Moldova
- 1989-1991 Senior Researcher, Institute of Chemistry, Academy of Sciences of Moldova, Moldova
- 1986-1989 Junior Researcher, Institute of Chemistry, Academy of Sciences of Moldova, Moldova
- 1980-1982 Engineer, Institute of Chemistry, Academy of Sciences of Moldova, Moldova

Publications and Scientometric indicators: - 300 scientific articles, two books, three patents, - 9130 citations, *h*-index 52 (Scopus, 255 documents)

Fellowships and Awards: **2010-2011** Professorship, Laboratoire de Physique des Lasers, Atomes et Molécules, UMR 8523 CNRS-Université Lille 1, France; **1993-1995** Alexander von Humboldt Fellowship, MPI für Kohlenforschung, Mülheim an der Ruhr; **1993** State Prize of the Republic of Moldova in the field of science and technology.

Teaching experience and supervision of graduate students and postdoctoral fellows: - general chemistry, inorganic chemistry, electronic structure of metal complexes and application of group theory in chemistry, coordination, bioinorganic and medicinal chemistry, crystallography; **2000-2022** 22 PhD, 8 Post-doctoral Fellows, 18 master students, 22 bachelor students, Institute of Inorganic Chemistry, University of Vienna; **1986-1990** 1 PhD, Institute of Chemistry, Academy of Sciences of Moldova

Research experience

- coordination, bioinorganic and medicinal chemistry, and, especially, the development of antitumour agents based on metal complexes, template synthesis of metal complexes with macrocyclic and open-chain multidentate organic ligands, and multimetal complexes, crystal chemistry (X-ray diffraction analysis), stabilization of unusual oxidation states of metal ions and/or ligands in metal complexes, the study of their reactivity; catalysis (oxidation of alkanes, alcohols, polymerization and oligomerization of olefins, etc.), ^{187}Os Mössbauer Spectroscopy.

Organizational skills and competences

2005–2015 Head of X-ray diffraction center, Faculty of Chemistry, University of Vienna; **2005-2013** Deputy Director, Institute of Inorganic Chemistry of the University of Vienna; **2007** Vice-Chairman of the International Conference of Biological Inorganic Chemistry (ICBIC), about 1000 participants, Austria; **1991-1993** Deputy Director, Institute of Chemistry, Academy of Sciences of Moldova

Reviewing activities: 2005-2023 *Peer-review activity for scientific journals and for national and international programs/projects; (> 500 articles and research proposals reviewed in the last 10 years); Editorial Board:* Associate Editor on Bioinorganic Chemistry for Inorganics; - **Member of American Chemical Society** (2012-2023); VA established partnerships with researchers or groups from more than 25 institutions for the implementation of joint research projects or for solving specific problems. The involvement in research projects was through the implementation of bilateral research projects or collaborations, where each partner was supported by national grants.