

Curriculum Vitae



Personal Information

Name	Karaghiosoff
First Name	Konstantin
Date of Birth	27. August 1956
Place of Birth	Sofia (Bulgaria)
Citizenship	Italian
Marital Status	married
Languages	German (fluent), English (fluent), Italian (fluent), Bulgarian (fluent), Russian (basics)

Education

1963 - 1971	Elementary School (1.-8. year) in Sofia (Bulgaria)
1971 - 1975	German School in Genova (Italy), completed with the Abitur

Scientific Career

1975 - 1981	Study of Chemistry at the Ludwig Maximilian University of Munich, completed with a Diploma
1980 - 1981	Diploma thesis under the supervision of Prof. Dr. A. Schmidpeter; Topic: 1,3,2-Diazaphospholes
1981 - 1986	PhD thesis under the supervision of Prof. Dr. A. Schmidpeter; Topic: Heterophospholes
1987 – 2022	Head of the division NMR Spectroscopy and scientific advisor for questions regarding NMR spectroscopy
1994 – 2022	Vice chair of the IT commission of the faculty
1995	Organizer of the III. Workshop "NMR Spectroscopy of phosphorus compounds" in Fischbachau near Munich
1997	Co-organizer of the IV. Workshop "NMR Spectroscopy of phosphorus compounds" in Chorin near Berlin
1997	Habilitation in inorganic chemistry with a thesis on $(RP)_nSe_m$ rings
2000	Appointment as "Privatdozent" in inorganic chemistry
1999 – 2001	Substitute for a C3-Professor in inorganic chemistry at the Department of Chemistry of the LMU
2001 – present	Member of the examiners' board of the faculty
2002	Co-organizer of the 6. International Conference on Inorganic Chemistry AGICHEM 2002 in Munich
2006	Appointment as Professor for Inorganic Chemistry at the University of Munich
2000 – present	Courses for students of chemistry (MSc) on molecular chemistry, current aspects of main group chemistry, 1D and 2D NMR spectroscopy, flow chemistry, catalysis in the chemical industry, and experimental inorganic chemistry.
2006-2013	President of the Munich Chemical Society

2016 – present Co-organizer of the annual symposium: *Interdisciplinary modern analytics – innovative application of analytical techniques*.

Scientific Interests

Chemistry of Main Group Elements

Phosphorus Chalcogen Heterocycles
Selenophosphinates and Selenophosphonates
Thio-, Seleno-, and Tellurophosphates
Heterophospholes
Phosphorus Chalcogen Cations
Functionalized Electron-Rich Phosphines
Fluorescent Phosphine Complexes
Inorganic Frameworks with Phosphonates and Phosphinates
Phosphonate-Based Porous Materials
Biologically Active Phosphonates and Phosphinates

One- and two-dimensional multinuclear NMR Spectroscopy

Structure elucidation of molecules with modern NMR spectroscopic methods
Analysis of the NMR spectra of complex spin systems and isotopomeric systems
NMR spectroscopy of colloid solutions
Dynamic NMR-Spectroscopy in solution

Flow Chemistry

Development of flow systems for diverse synthetic applications
Synthesis of energetic compounds in flow
Flow-synthesis of polymers

Publications

therefrom A total of 219 publications
 205 full papers
 4 reviews
 10 book contributions

Memberships

GDCh, MChG, Section Magnetic Resonance of the GDCh, Wöhler section of the GDCh, German University Association

Editor Activities

2002 Guest Editor for *Heteroatom Chemistry* **2002**, 13, issue 6.
2005 – present European Editor of *Phosphorus, Sulfur, Silicon and the Related Elements*

Awards

2002 Award for excellent teaching 2001 of the Bavarian Ministry of Science, Research and Art