

CV - Prof. Dr. Nataša Zabukovec Logar

Education

- 1992 B.Sc. Chemistry, University of Ljubljana, Faculty for Chemistry and Chemical Technology
1998 Ph.D. Chemistry, University of Ljubljana, Faculty for Chemistry and Chemical Technology

Employment and professional titles

- 1993-1998 National Institute of Chemistry, SI, PhD student, work on synthesis and characterisation of porous materials
1995-1996 University of Manchester, GB, School of Chemistry, visiting researcher, development of crystallographic methods
1998-2001 National Institute of Chemistry, Research Assistant
2001-2007 National Institute of Chemistry, Research Associate
2007-2019 National Institute of Chemistry, Senior Research Associate
2004-2009 University of Nova Gorica, part-time employment, Assistant Professor for "Chemistry"
2009-2016 University of Nova Gorica, part-time employment, Associate Professor for "Chemistry"
2016- University of Nova Gorica, part-time employment, Full Professor for "Chemistry"
2010- 2014 Centre of Excellence Low-Carbon Technologies, part-time employment, Head of research and development group "Materials for hydrogen storage"
2013- Head of the Department for Inorganic Chemistry and Technology, National Institute of Chemistry, Senior Scientific Advisor
2014 ZAE Bayern Centre for Applied Energy Research, Garching, D, visiting scientist, work in the field of materials for heat storage

Teaching activities

- 2004- University of Nova Gorica, responsible for courses in Chemistry, Crystallography, Metal-organic framework materials, Diffraction Characterisation Methods
2017- Director of Master study program Materials Science at the University of Nova Gorica

Research activities

- Development of new metal - organic and other porous materials with optimised / selective sorption properties for heat storage/transformation (eg. videoabstract: <https://www.youtube.com/watch?v=S2GVaWzFGkE>) and selective CO₂ capture for energy and environmental applications
- Studies of sorption mechanisms of metals on natural and synthetic zeolites for their efficient removal from waste-water and drinking water for environmental applications
- Structural studies of porous materials with X-ray diffraction and complementary spectroscopic techniques
- 100 papers in journals with IF, h=25 (WoS)
- PI of Research Program "Nanoporous materials" (6 FTE)
- 2022 Pregl Award winner

Selected Functions in Associations and Committees

- 2013- Member of Scientific Council at National Institute of Chemistry, Slovenia, since 2022 Vice-president
2013- President of Slovenian Zeolite Association (SiZA), which is a full member of the Federation of European Zeolite Associations (FEZA)
2013-2021 Member of Board of the Slovenian Chemical Society
2014- Member of Board Council of the Centre of Excellence CONOT
2014-2019 Member of Scientific Committee of EuroMOF Conference Series
2014- Member of Scientific Committee of FEZA Conference Series
2014- Member of FEZA Board
2014-2021 Treasurer of FEZA
2016- Member of Synthesis Commission of International Zeolite Association (IZA)
2017-2021 Member of Board of Governors at National Institute of Chemistry, Slovenia
2017- Member of Board of Governors of Strategic development and innovation partnership "Circular Economy", Slovenia
2019- Member of Senate at the School of Science at the University of Nova Gorica
2019-2023 Member of Senate of the University of Nova Gorica
2022- Elected member of Executive Council of IZA
2022- Treasurer of IZA
2022- Vice-president of Development Council of The Republic of Slovenia
2023- Member of Editorial Council of Microporous and Mesoporous Materials, official journal of IZA