
Curriculum Vitae
Sergiy Minko



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Summary of major accomplishments

Sergiy Minko is the Georgia Power Professor in Fiber and Polymer Science with joint appointments in the Department of Textiles, Merchandising and Interiors (TMI) and the Department of Chemistry at the University of Georgia. From 2003 to 2013, he occupied the Egon Matijevic Chair Professor position in the Chemistry and Biomolecular Science Department at Clarkson University, Potsdam, NY, USA. Before joining Clarkson in 2003, he held a senior research position at the Leibniz Institute of Polymer Research in Dresden, Germany. He completed his academic education in Ukraine, gaining an M.S. in Chemical Engineering and a Ph.D. in Chemistry from Lviv Polytechnic National University. He also holds a D.Sc. in Molecular Chemistry from the Institute of Physical Chemistry, National Academy of Sciences, and Ministry of Education, Ukraine. Sergiy Minko's research concentrates on sustainable textile dyeing methods, functional fibers and textiles, nanofibers and nanofiber scaffolds, biomaterials, nanostructured materials, responsive materials, colloids, nanoparticles, thin films, gels, coatings, polymers, polymer interfaces, and polymer composites.

In 1997-1998, Sergiy Minko was an Alexander von Humboldt Research Fellow at the University of Ulm, Germany. He has been a Visiting Professor at the Vienna University of Technology in Austria, at the Institut Charles Sadron, CNRS, Strasbourg, France, the Max Planck Institute for Polymer Research, Mainz, Germany, and the Department of Materials Science and Engineering, Massachusetts Institute of Technology (MIT), Cambridge, MA, USA.

Accomplishments: published 240+ articles in peer-reviewed scholarly journals, 20 chapters in books, and filed 27 patents/ patent applications; all cited 25,000+ times with H-index 77 (Google Scholar); gave 200+ lectures/seminars; conducted interdisciplinary research on 70+ research projects.

Professional membership:

American Chemical Society,
Royal Society of Chemistry, Fellow
Fiber Society

Education

Institute of Physical Chemistry, National Academy of Sciences (NAS), Ukraine	Polymer Science, D.Sc.	06/1993
Lviv Polytechnic National University, Ukraine	Chemistry, Ph.D.	11/1983
Lviv Polytechnic National University, Ukraine	Chemical Engineering, M.S./B.S. with Distinction Prize	06/1979

Professional Experience

Georgia Power Professor in Fiber and Polymer Science, Textiles, Merchandising, and Interiors and Chemistry Departments, The University of Georgia	2014-present
2020 - present co-owner, CFO, startup company CytoNest, Inc., and AE-zyme C-Corp, Athens, GA	2020-present
Egon Matijevic Chaired Professor, Department of Chemistry and Biomolecular Science, Clarkson University , Potsdam, NY	2003-2013
Senior Staff Scientist and Group Leader, Leibniz Institute of Polymer Research, Dresden , Germany	2000–2003
Head, Department of Chemistry of Oxidation Processes and Professor, Institute of Physical Chemistry , NAS, Lviv, Ukraine (<i>Leave of Absence 1998-2000</i>)	1993–1997
Senior Research Fellow and Group Leader, Institute of Physical Chemistry , NAS, Lviv, Ukraine	1983–1993

Visiting/Sabbatical Positions

Department of Materials Science and Engineering, Department of Chemical Engineering, MIT , Cambridge, MA	2009-2010
Max Planck Institute for Polymer Research , Mainz, Germany	1999-2000
Department of Colloids and Interfaces, Institute Charles Sadron, CNRS , Strasbourg, France	1998-1999
Alexander von Humboldt Fellow, Department of Experimental Physics, University of Ulm , Germany	1997–1998
Vienna University of Technology , Austria	1993

Teaching Interests:

Basic and advanced courses in polymer science, nanostructured materials, fibers, and fabrics.

Research Interests

Biomaterials, biointerfaces, enzyme catalysis, nanostructured materials, responsive materials, single-molecule research, colloids, nanoparticles, capsules, hydrogels, thin films, polymers, polymer interfaces, polymer composites, microfluidic devices, nanosensors, separation membranes, smart coatings, porous materials, fibers, textiles

Awards:

- Georgia Power Endowment professorship, University of Georgia, 2014
- Clarkson University Students Association Outstanding Teaching Award for undergraduate teaching, 2006
- Clarkson University “Million Dollar Club” Honor membership for the recognition of faculty with over \$1M in funding, 2006
- Egon Matievich Endowment professorship, Clarkson University, 2003.
- Dresdner Bank AG Innovation Award for the Invention of Switchable Hydrophobic Surfaces (Germany), 2003
- Alexander von Humboldt Fellowship awarded by the Alexander von Humboldt Foundation for research at the University of Ulm (Germany), 1996

Complete list of publications: <https://orcid.org/0000-0002-7747-9668>