

Evgeny Katz

Department of Chemistry & Biomolecular Science
Clarkson University, 8 Clarkson Avenue, Potsdam, New York 13699-5810, USA

Education

1976 B.Sc. & M.Sc. in Chemical Engineering - D.I. Mendeleyev Chemical Engineering University, Moscow, Russia

1983 Ph.D. in Chemistry - A.N. Frumkin Institute of Electrochemistry, Russian Acad. Sci., Moscow, Russia

Professional Experience

2006-present Milton Kerker Chaired Professor, Department of Chemistry & Biomolecular Science, Clarkson University, Potsdam, NY (tenured)

1993-2006 Senior Research Associate (1993-2000) / Associate Professor (2000-2006), Institute of Chemistry, Hebrew University of Jerusalem, Jerusalem, Israel

1983-1991 Senior Research Scientist, Institute of Photosynthesis, Russian Acad. Sci., Pushchino, Russia

Visiting Positions: Alexander von Humboldt Fellow, München Technische Universität, Department of General Chemistry & Biochemistry, Freising, Germany (**1992-1993**); CSIC Fellow, Instituto de Catalisis, CSIC, Madrid, Spain (**1992**); Visiting Scientist, Hebrew University of Jerusalem, Israel (**1991-1992**).

Research Interests

Biocomputing based on enzymes and DNA, logical gates and arithmetics based on bioelectronic systems, self-organized & self-responding bioelectronic systems.

Biofuel cells controlled by biocomputing systems, switchable/tunable by biochemical signals.

Biofunctionalized nanomaterials and signal-responsive materials (metallic nanoparticles, magnetic nanoparticles, semiconductive quantum dots, nanorods, nanowires) for bioelectronic and biomedical applications.

Biosensors based on integrated systems with complex molecular architecture, self-powered biosensors, switchable & tunable biosensors.

Professional Honors, Fellowships and Affiliations

Professor Accreditation by Agència per a la Qualitat del Sistema Universitari a Catalunya (AQU Catalunya, Spain), **2006**; Kaye Awards for Scientific Innovations, Hebrew University, Israel, **1995** and **2004**; Research Award, Alexander von Humboldt-Stiftung, Germany, **1993**; Research Award, CSIC, Spain, **1992**; Institute Recognition Awards, Institute of Photosynthesis, Russian Acad. Sci., **1983**, and **1989**; State Medal of Inventor, USSR, **1989**.

Synergistic Activities (selected):

Editor-in-Chief: IEEE Sensors Journal

Vice-Chair of "Bioelectrochemistry" Division of the International Society of Electrochemistry

Teaching Accomplishments

Development and establishment of new courses on bioelectronics and bionanotechnology 2005 –now.

Publications (282 refereed papers and book chapters, 20 patents; 100 presentations at conferences); **Hirsch-index: 57**.

Current Graduate/Undergraduate Students and Postdoctoral Scholars

Ph.D. students: T.K. Tam, J. Zhou, G. Strack, M.A. Arugula, S. Chinnapareddy

Undergraduate student: Kevin MacVittie, Kara Gilboy.

Postdoctoral scholars: Dr. M. Pita, Dr. J. Halamek, Dr. V. Bocharova