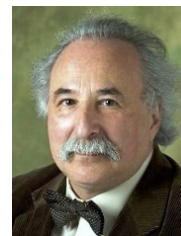


**Curriculum Vitae**

**Evgeny Katz**

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Web-sites: [http://www.clarkson.edu/biosci\\_chemistry/faculty\\_pages/katz.html](http://www.clarkson.edu/biosci_chemistry/faculty_pages/katz.html);  
<http://people.clarkson.edu/~ekatz>



**Education:**

- 1976** B.Sc. & M.Sc. in Chemical Engineering - D.I. Mendeleev Chemical Engineering University, Moscow, Russia  
**1983** Ph.D. in Chemistry - A.N. Frumkin Institute of Electrochemistry, Russian Acad. Sci., Moscow, Russia

**Appointments:**

- 2006-present** Milton Kerker Chaired Professor, Department of Chemistry & Biomolecular Science, Clarkson University, Potsdam, NY (tenured)  
**1993-2006** Senior Research Associate (1993-2000) / Research 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, logic gates and arithmetics based on bioelectronic systems, self-organized & self-responding bioelectronic systems.  
**Biosensors** based on integrated systems with complex molecular architecture, self-powered biosensors, switchable & tunable biosensors, multi-signal digital biosensors with built-in logic.  
**Biofunctionalized nanomaterials** (metallic nanoparticles, magnetic nanoparticles, semiconductive quantum dots, nanorods, nanowires) for bioelectronic and biomedical applications.  
**Bionanoengineering**, functional interfaces composed of biomaterials & nano-objects, supra-molecular hybrid systems with complex molecular/biomolecular architecture.  
**Bioelectronics & optobioelectronics**, switchable & tunable electrobiocatalytic and photobiocatalytic systems.  
**Bionanotechnology for bioelectronic applications**, electrical wiring of enzymes by nano-objects, amplification paths for bioanalytical systems, nanocircuitry generation based on biotemplates & biocatalysis.

**Professional Honors, Fellowships and Affiliations:**

Lifetime Research Achievement Award (Clarkson University), **2014**; 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):

Vice Chair of "Bioelectrochemistry" Division of the International Society of Electrochemistry;  
Member of Editorial Boards: *IEEE Sensors Journal*, *Sensors and Actuators B*, *Biosensors and Bioelectronics*, *Electroanalysis*, *Sensors*, *International Journal of Electrochemical Science*, *Sensors & Transducers Journal*; *International Journal of Unconventional Computing*  
Membership: *American Chemical Society*, *Electrochemical Society*, *International Electrochemical Society*

**Teaching Accomplishments:**

Development and establishment of new courses on bioelectronics and bionanotechnology.

**Publications:** 382 refereed papers and book chapters, 23 patents; 141 presentations at conferences);

**Hirsch-index: 75.** Dr. Katz was included in the list of **top cited chemists with the worldwide rank 384**: <http://www.rsc.org/chemistryworld/news/2007/april/23040701.asp> (see the downloadable pdf file at the web page bottom).

Dr. Katz is included as # 63 in the list of **world's top 100 chemists** over the past 10 years as ranked by the impact of the published research from approximately a million chemists indexed by **Thomson Reuters**: <http://sciencewatch.com/dr/sci/misc/Top100Chemists2000-10/>

**Research Funding:**

Evgeny Katz has been inducted into the Clarkson's Million Dollar Club for the significant amount (over 1 million) of external funding that his research activities have garnered in the last 5 years from: NSF, ONR, USAR, SRC and industry.