

Dr. Gregory Gershinsky

Marital status - Married +2

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Professional experience

- 2018-** **Scientist at chemistry department NRC SOREQ.**
Project manager for MOD applications, in charge of ICP-QMS equipment and part of national Nuclear Forensic Laboratory.
- 2018-2018** Head of (HR-SEM and FIB) electron microscopy subunit- Nanotechnology and Advanced Materials center, Bar Ilan University.
- 2017-2018** **Scientific Project Advisor at PMO.**
- 2013-2017** Leading scientist in project related to improvised materials detection (Isorad LTD)
- 2013-2017** Project manager (electrochemistry) prof. D. Zitoun advanced materials for energy storage laboratory.

Experience (Bar Ilan University) and Industry projects

- 2013-2017** Collaboration with Elbit-Energy (TEPS project) electrochemical characterization project.
- 2016-2017** Collaboration with ICL – stability enhancement of catalysts for hydrogen bromine fuel cells.
- 2015-2018** Collaboration with Administration for the Development of Weapons and Technological Infrastructure – energetic materials.
- 2008-2012** Electron Microscope (HRSEM) operator at Institute for Nanotechnology and Advanced Materials - Bar-Ilan University.
- 2007-2011** Teacher assistant - “Crystallography through XRD” course for graduate students.
- 2007-2009** Teacher assistant - “Solid State chemistry” course.

Education

- 2012-2016** **Postdoctoral research associate**, advisor: Prof. David Zitoun , Nanotechnology and Advanced Materials, Bar-Ilan University
"Advanced materials for lithium- Ion batteries, fuel cells and electrochemical catalysis"
- 2008- 2012** **Ph. D. in Chemistry**, advisor : Prof. Aurbach ,Bar Ilan University.
Dissertation :” **Electrochemistry of Intercalation Reactions**”
- 2006-2008** M.Sc. in **Chemistry**, advisor Prof. Aurbach, Bar Ilan University
“Electrochemistry of Intercalation Reactions”
- 2003-2006** B.Sc. in **Biophysics**, Bar Ilan University, Ramat Gan

Theoretical and practical experience:

1. Specialist in Magnesium and Lithium batteries.
2. Solid knowledge in XRD ,SEM ,Raman ,XPS, EDS, DSC.
3. Vacuum systems, inert glove-boxes, development of high temperature synthesis.
4. Cooperation with: **Pellion Technologies.Inc**, Menlo Park, CA, Prof. Gerbrand Ceder.

Excellence awards:

- 2020 Prof. Aharon Katzir fellowship
- 2011 “Hanasi” scholarship for excellence Ph. D. students.
- 2008 Winning tender for neutron measurements in -Institut Laue-Langevin, Grenoble, France .
- 2005 “The Amos de-Shalit Ulpana” for young excellence students, Weizmann Institute of Science.

Military service

- 1999-2002** Team commander, anti-aircraft forces. Sergeant major in reserve duty. IDF.

Languages

Russian – native, Hebrew and English – near native