

- **PERSONAL INFORMATION**

Family name, First name: Etgar, Lioz
Researcher identifier: ORCID: 0000-0001-6158-8520
Nationality: Israel
URL for web site: <https://lioiz.etgar.huji.ac.il>

- **EDUCATION**

2009 **PhD**, Chemistry, Technion–Israel Institute of Technology, Israel [direct track Nanoscience and Nanotechnology program]. Thesis title: "The Development and the Investigation of PbSe Quantum Dots- γ -Fe₂O₃ Nanoparticles Conjugate Structures for Biological Applications". Advisors: Professor Efrat Lifshitz and Professor Rina Tannenbaum.
2005 **B.Sc.** (cum laude), Chemical Engineering, Technion, Israel - The Israel Institute of Technology

- **CURRENT POSITION**

2017- present Assoc. Prof., Faculty of Science, Institute of Chemistry, Hebrew University of Jerusalem (HUJI), Israel
2020 - present Head of Undergraduate and Graduate Studies, Institute of Chemistry, HUJI

- **PREVIOUS POSITIONS**

2012 - 2017 Senior lecturer, Faculty of Science, Institute of Chemistry, HUJI, Israel
2009 - 2012 Postdoctoral position, Chemical Engineering and Chemistry, Ecole polytechnique fédérale de Lausanne (EPFL), Laboratory of photonic and interfaces, Prof. Michael Grätzel, Switzerland.
Research: *Dye sensitized solar cells and excitonic solar cells*

- **FELLOWSHIPS & AWARDS**

2016 Krill Prize for Excellence in Scientific Research; The Wolf Foundation, Israel
2011 Graduate Student Cooperation Prize, Department of Electrical Engineering, Technion, Israel
2010 Intra-European Marie Curie Fellowship (FP7-PEOPLE-2009-IEF).
2009 Russell Berrie Scholarship Program, Technion, Israel
2009 Selected to attend the **59th Lindau Meeting of Nobel Laureates**, Germany
2009 **Wolf Prize for Young Scientists**, The Wolf Foundation, Israel [awarded annually to a few students from Israeli universities].
2008 Russell Berrie Scholarship Program, Technion, Israel
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2007 Jacobs Scholarship, Technion, Israel
2006 Dr. Simha Avrahami Foundation Prize for Achievements in Studies and Research, Technion.
2005 Dean's List of Excellence (cum laude), B. Sc., Chemical Engineering, Technion, Israel

- **TEACHING ACTIVITIES**

2019- present Introduction to Chemistry of Materials for undergraduate and master's students, HUJI.
2016 - 2019 General Chemistry for medical undergraduate students, HUJI.
2013 - 2018 Advanced course for master's and doctoral students: "Photovoltaic solar cells based on nanomaterials", HUJI.
2012 - 2017 Inorganic laboratory, HUJI, bachelor's students.
2015 - 2016 Seminar course for master's students in Chemistry, HUJI.
2014 - 2015 Seminar course for bachelor's students in Chemistry, HUJI.

2006 - 2009 Teaching assistant in courses taught in the Faculty of Chemical Engineering, Technion, Israel: Fluid Transport and Mechanics, Chemical Engineering lab, Semiconductor Processes for Chemical Engineering.

• **ORGANISATION OF SCIENTIFIC MEETINGS**

- 2019 Chair of the organizer of the International Conference, Perovskite Solar Cells Photonics and Optoelectronics (100 participants), Israel.
- 2019 Chair of the organizer of the Israel Chemical Society conference (1000 participants).
- 2017 Organizer Annual Meeting, Israel Sustainable Energy Society (90 participants).
- 2012 Organization Committee, Israel Chemical Society conference (1000 participants).

• **INSTITUTIONAL RESPONSIBILITIES**

- 2020 - present Head, Graduate and Undergraduate Chemistry Studies, Hebrew University of Jerusalem.
- 2016 - 2020 Graduate Student Advisor for the Nanotechnology and Nanoscience MSc. Program for Outstanding Students, Hebrew University of Jerusalem.
- 2013 - 2016 Organizer, Internal Seminar of the Institute of Chemistry, Hebrew University of Jerusalem.
- 2014 - present Member of Teaching Assistants Committee (selecting students for teaching assistance positions), Hebrew University of Jerusalem.

• **COMMISSIONS OF TRUST**

- 2009 **Journal referees, e.g.**, Science, Nature, Nature communication, Nature Photonics, Journal of the American Chemical Society, ACS publishing, Journal of Materials Chemistry, RSC publishing, Wiley, Springer, Advanced Materials, Elsevier.
- 2020 Proposal Reviewer - Swiss National Science foundation (SNSF)
- 2017 Proposal Reviewer - ERC Advanced and Starting Grants.
- 2016 Proposal Reviewer - Poland National Science Foundation.
- 2015 Proposal Reviewer - Israel Science Foundation.
- 2014 Proposal Reviewer - The Israel Ministry of Science.
- 2013 Proposal Reviewer - The French National Research Agency (ANR).

Membership on editorial boards of academic journals

- 2018 Editorial Board of ACS energy letters.
- 2016 Editorial Board of "Nature Scientific Reports".
- 2015 Guest Editor of "Photonics" special issue on: "Perovskite Photovoltaic and Optoelectronics".
- 2013 Editorial Board of "Materials" journal.
- 2013 Guest Editor of "Materials" – peer-reviewed journal.
- 2013 Guest Editor of "International Journal of Photoenergy",
Special Issue on Perovskite photovoltaics: From Materials to Devices.

• **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

- Materials Research Society (MRS), Israel Chemical Society (ICS).
- Europe Materials Research Society (eMRS), Swiss Chemical Society (SCS).

Publications in peer-reviewed international journals: 101.

I have **8 patents** (4 of them are granted, the 4 others are pending).

Brief books and chapters in collections: 2 brief books and 6 chapters in collections.

Conferences & Symposium contributions: over 100 contributions as oral and poster presentations.

Articles in prestigious journals: 1 PNAS, 2 Journal of American Chemical Society, 2 Angewandte Chemie International Edition, 3 Advanced Materials, 3 Advanced functional Materials, 3 Energy & Environment

Prof. Lioz Etgar

Science, 4 ACS Energy Letters, 3 Chemistry of Materials, 8 Journal of Materials Chemistry A, 3 Nano Letters, 2 ACS Nano, 2 ChemSusChem.