

Nitsa Haikin - CV

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Academic Degree

- 2013 Ph.D., Department of Geophysics and Planetary sciences, Tel-Aviv University, Israel.
Thesis subject: **Analysis of Air-Pollution in a Regional Scale, Using a System of Atmospheric Models**
- 1998 M.Sc., School of Environmental Sciences, The Hebrew University of Jerusalem, Israel.
Research was conducted in the Solar Energy Center, at the Blaustein Institute for Desert studies, Sde-Boqer, Ben-Gurion University of the Negev.
Thesis subject: **Characterizing solar UVB radiation in Israel and investigating its relation to the amount of stratospheric ozone** (Hebrew)
- 1992 B. Sc., Physics Department, Ben-Gurion University of the Negev, Israel.

Employment

- 2019-2020 ISAC-CNR, Torino, Italia. Atmospheric researcher. *Sabbatical leave from NRCN*
- 2016-present NRCN, Physics department, senior researcher. Diagnostics.
- 2014-2016 NRCN, Environmental department, senior researcher, Atmospheric & Environmental sciences
- 2014-present Tel-Aviv university, Exact Sciences, Geophysics and Planetary Sciences. Appointed volunteer researcher, Atmospheric sciences.
- 2012-2013 Neot-Hovav Industrial Municipality, Head of the environmental department.
- 2008-2009 The Hebrew University of Jerusalem, Rehovot. Atmospheric modeling. *Sabbatical leave from NRCN*
- 2000-2012 Nuclear Research Center (NRCN), Environmental department. Researcher, atmospheric sciences.
- 1998-2000 Ministry of the Environment, southern district, Head of the Air-Quality department.
- 1996-1997 Ben-Gurion university, Sede-Boqer, research assistant, Solar Energy Center.

Professional and Administrative Activities

- 2014 Ben-Gurion University, Bengy's Center: A committee member in CleanTech contest
- 2012 - 2013 A member of the Israeli forum of Directors, Municipal Environmental units
- 1998 - 2000 A member in various environmental committees as a representative of the MOE

Academic Activities

Grants

2019-2023 - Pazi foundation, with Prof. Katoshevsky and Prof. Tadmor, Ben Gurion University of the Negev, Israel: Novel Methodology of increasing capture and filtration efficiency of inhalable particles.

Review of scientific publications

2019-present - Environmental Research Letters (ERL)

Educational Activities

Courses taught

Lectures within Air Pollution course (of Prof. Katoshevsky), Safety and Env. Eng., Ben Gurion University of the Negev, Israel

Research students

2020 – 2022: Amiram Bar-Or, M.Sc. student, Ben Gurion University of the Negev: Mechanisms of dioxins production in thermal oxidizer for treating API effluents.

Co-instructor with Prof. David Katoshevsky

2021 – 2022: Five project students (4th year of Mechanical Engineering (4), and Biothechnology(1))

Co-instructor with Prof. David Katoshevsky and Dr. Shimshon Lerman

2017 – 2018: Sharon Kushnir, high-school final project in physics, via excellency center named after Ilan Ramon, Ben Gurion University of the Negev: Physical aspects of dust storms.