

CV

Academic positions

- July 2013 – present Associate Professor, Department of Geography, The Hebrew University of Jerusalem
- January 2008 – June 2013 Senior Lecturer, Department of Geography, The Hebrew University of Jerusalem
- 2014 – present Honorary Associate Professor, School of Geography, Planning and Environmental Management at the University of Queensland, Brisbane, Australia
- 2013 – present International PI at the ARC Centre of Excellence for Environmental Decisions (CEED), University of Queensland, St. Lucia, Brisbane, Australia
- July 2013 – October 2014 Visiting academic (Sabbatical year) at the Centre for Spatial Environmental Research (CSER) in the School of Geography, Planning and Environmental Management at the University of Queensland, Brisbane, Australia.
- February 2007 – January 2008 Rothschild post-doctoral fellow at the Centre for Remote Sensing and Spatial Information Science (CRSSIS) in the School of Geography, Planning and Architecture at the University of Queensland, Brisbane, Australia. Host: Prof. Stuart Phinn.
- October 2005-January 2007 Kreitman Post-doctoral fellow at the Department of Geography and Environmental Development in Ben-Gurion University of the Negev in Beer Sheva, Israel. Research subject: *The palaeoclimate and environmental implications of the aeolian sand encroachments into the coast of Ceara State, NE Brazil.* Host: Prof. Haim Tsoar.

Education

- 2002-2006 Ph.D. at the Department of Geography and Human Environment, Tel-Aviv University, Israel. Thesis subject: *Monitoring, Explaining and Predicting the Stabilization Process of Coastal Dunes in Israel Using Remote Sensing and Geographic Information Systems (GIS) Methods: The Case of Ashdod and Nizzanim,* supervision by Prof. Eyal Ben-Dor and Dr. Giora J. Kidron.
Submitted in April 2005, approved in May 2006, degree awarded in June 27th, 2006.
- 1998-2002 M.A. studies at the Department of Geography and Human Environment, Tel-Aviv University, Israel; Thesis subject: *Quantitative Mapping of the Soil Rubification Process on the Coastal Sand Dunes of Israel Using an Airborne CASI Hyperspectral Sensor; The Sand Dunes of Ashdod as a Case Study,* under the supervision of Prof. Eyal Ben-Dor (*Summa Cum Laude*, grade: 97).

- 1994-1996 B.A. studies at the Department of Geography and Human Environment, Tel-Aviv University, Israel; (*Summa Cum Laude*, final average grade: 95.4).
- 1982-1988 Alliance High School, Tel Aviv, major in physics and mathematics.

Professional work experience

- 2005 GIS Research assistant of Prof. Ruth Kark, at the Department of Geography, The Hebrew University of Jerusalem, Israel.
- 2002-2004 GIS research with Prof. Avi Shmida, Rotem – Israel Plant Information Center, The Hebrew University of Jerusalem, Israel.
- 1995-2002 Head of the Geographic Information System (GIS) unit of the Society for the Protection of Nature in Israel (SPNI).
- 1997-1998 Research assistant at the Remote Sensing Laboratory, Department of Geography and Human Environment, Tel-Aviv University, Israel.

Prizes and honours

- 2012 – Winner of the 2012 Israel Social Sciences Data Center (ISDC) Researcher Prize for the following paper: "High spatial resolution night-time light images for demographic and socio-economic studies"
- 2010 – Faculty of Social Sciences Dean's Prize for a Young Researcher
- 2009 – Visiting fellow at the University of Siena, Italy
- 2008 – Awarded the competitive Alon Fellowship for Outstanding Young Researchers.
- 2007/8 – Awarded the competitive Porter post-doctoral fellowship of the Porter School of Environmental Studies, Tel Aviv University
- 2006/7 – Awarded the competitive American Fulbright post-doctoral fellowship.
- 2006/7 – Awarded the competitive Rothschild post-doctoral fellowship.
- 2005-2007 – Awarded the competitive Kreitman post-doctoral fellowship, Ben Gurion University of the Negev.

Leading of conferences

- 56th Annual Conference of the Israeli Geographical Association, December 13th-14th, 2015. Conference website: <http://ccg.huji.ac.il/conference/>
- Historical Geographic Information Systems (HGIS) for reconstructing the past, 16-17 January, 2013, The National Library of Israel and Hebrew University of Jerusalem. 80 people in the first day, 35 people in the second day. Guest lectures: Prof. David Bodenhamer (Indiana University-Purdue University Indianapolis, USA), Prof. Ian Gregory (Lancaster University, UK), Dr. Owen Powell (University of Queensland, Australia), Prof. Anne Kelly Knowles (Middlebury College, USA).

- The 2nd International Workshop: Advancing Conservation Planning in the Mediterranean Sea with Emphasis on Large-Scale EEZ Planning 8-11 April, 2013: Nahsholim, Israel. About 15 invited participants from the Mediterranean, Europe and Australia.
- 51st Annual Conference of the Israeli Geographical Association, December 5th-7th, 2010. Conference website: <http://geography.huji.ac.il/?cmd=conferences.204>

Research Grants

- 2017 – Center of Regional Councils, for the following study: "The impact of the VATMAL legislation on Israel's landscape: open spaces, agriculture, villages, regional councils and cities". 400,000 NIS (one year) (with Prof Eran Feitelson)
- 2016 - Ring Foundation for Environmental Studies, for the following study: "_Spectral-phenological signals for early warning of forest die off". 25,000\$. (one year) (with Dr Efrat Sheffer)
- 2015 – EU COST Action, for the following study: CA15121 – MarCons, "Advancing marine conservation in the European and contiguous seas" (four years).
- 2013-2018 - ARC Centre of Excellence for Environmental Decisions , International PI from the Hebrew University of Jerusalem.
- 2013-2014 – Yad Hanadiv (The Rothschild Foundation), for the following study: "Marine conservation planning in the Mediterranean". 700,000 NIS (two years).
- 2012 - The National Library of Israel, for hosting a workshop in January 2013: "Historical Geographic Information Systems (HGIS) for reconstructing the past". 6,930\$.
- 2011 – Ramat ha Nativ: "Overcoming conflicting conservation objectives in a protected area using a systematic planning zoning process: a case study from the eastern Mediterranean". 8,000\$.
- 2011 - 2013 - Ministry of Science and Technology, for the following study: "Development of National Remote Sensing Infrastructure to Study the Environment using Hyperspectral

- Technology in the Thermal Region". 600,000\$ (over three years, with Prof Eyal Ben-Dor, Prof Arnon Karnieli and Prof Ilan Koren).
- 2010 – Ministry of National Infrastructures, for the following study: "Metal contamination in wetland deposits at the coast of Israel" 27,000\$.
- 2010 - 2013 – Environment and Health Fund, for the following study: “Childhood and adolescent environmental exposures and the incidence of cancer in adulthood—a national resource”. 300,000\$ (over three years, led by Prof Jeremy Kark).
- 2010 – “Identifying the Most Important and Policy Relevant Research Questions: Horizon Scanning for Biodiversity Conservation in Israel”. 95,000\$.
- 2010 – Israel Nature and Parks Authority, for the following study: "Remote sensing of Israel's natural habitats". 40,000\$.
- 2009 – Ring Foundation for Environmental Studies, for the following study: "Wild flower patches as possible indicators for climate fluctuations in Israel – a remote sensing approach" .30,000\$. (with Prof Avi Shmida)
- 2008 - The Louis Frieberg Center for East Asian Studies (<http://www.eacenter.huji.ac.il>), for the following research: "Incorporating topography into landscape continuity analysis: Hong Kong Island as a Case study" 8,000 \$
- 2003 – The Fund for Promoting Landscape and Environment Values in the Agricultural Areas of Israel (<http://www.lsea.org.il/site/homepage.asp>), for the following research: “Using remote sensing as a tool for monitoring and analyzing temporal and spatial trends in plasticulture (covered agriculture) in Israel”, (PIs: Levin N., Lugassi R., Ramon U. and Ben-Dor E.) 15,000 \$
- 2003 - Volkswagen Foundation (Volkswagen-Stiftung) (<http://www.volkswagen-stiftung.de/>), for the following research: “The palaeoclimate and environmental implications of the aeolian sand encroachments into the coast of Ceará State, NE Brazil”, (with Herrmann H.J., Maia L.P., Claudino-Sales V., Tsoar H. and Levin N.) 100,000 Euro