

## **Prof. Noam Levin**

Short CV, June 2021

### **Academic appointments**

Sep 2018 – present – Full Professor, Department of Geography, The Hebrew University of Jerusalem

Oct 2013 – Sep 2018 - Associate Professor, Department of Geography, The Hebrew University of Jerusalem (procedure for promotion commenced 5/2013).

January 2008 – Sep 2013 - Senior Lecturer, Department of Geography, The Faculty of Social Sciences, The Hebrew University of Jerusalem (procedure for tenure commenced 10/2011, tenure granted 5/2012).

2014 – present Honorary Associate Professor, School of Geography, Planning and Environmental Management at the University of Queensland, Brisbane, Australia

2013 – 2018 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.

### **Higher education**

2002-2005 – Ph.D., Department of Geography and Human Environment, Tel-Aviv University, Israel.

Thesis title: *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*. Ph.D. supervisors: Professor Eyal Ben-Dor and Dr. Giora J. Kidron.

1998-2001 – M.A., 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*, Advisor: Prof. Eyal Ben-Dor (graduated *Summa Cum Laude*).

1994-1996 – B.A, Department of Geography and Human Environment, Tel-Aviv University, Israel (*Summa Cum Laude*).

### **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.

### **Organization of conferences, workshops and seminars**

1. Chair and Lead organizer of international workshop titled: "Advancing global conservation planning for sea turtles that incorporates night lights and other threats", Hebrew University of Jerusalem, December 15-18<sup>th</sup>, 2019. Supported by the Hebrew University of Jerusalem Committee for International Conferences.
2. Chair and Lead Organizer of international conference titled: "Incorporating spatial analysis and big data in International Relations studies and Conflict Research", supported by the Davis Institute of International Relations, December 10<sup>th</sup>-11<sup>th</sup> 2018.  
Conference presentations available on YouTube:  
[https://www.youtube.com/watch?v=tYUIA\\_uHfOk&list=PLT-roSWIpp1GZaQIZhGR3pUyerPz1GMRv](https://www.youtube.com/watch?v=tYUIA_uHfOk&list=PLT-roSWIpp1GZaQIZhGR3pUyerPz1GMRv)
3. Chair and Lead Organizer of the 56<sup>th</sup> Annual Conference of the Israeli Geographical Association, December 13<sup>th</sup>-14<sup>th</sup>, Jerusalem, 2015. Conference website:  
<http://ccg.huji.ac.il/conference/>. The two-day conference was attended by over 400 participants, with guests that we invited from overseas and included also several excursions and workshops.

4. Organizer of a four-day workshop: *The 2<sup>nd</sup> International Workshop on Advancing Conservation Planning in the Mediterranean Sea with Emphasis on Large-Scale EEZ Planning*, with 15 invited overseas participants (scientists, governmental and other organizations representatives) and 35 invited participants from Israel, 8-11 April 2013. Nahsholim, Israel.
5. [Lead organizer and Chair of a two-day workshop entitled \*Historical Geographic Information Systems \(HGIS\) for reconstructing the past\*](http://multimedia.huji.ac.il/hgis.html), 80 participants, 16-17 January 2013, four invited guests from abroad, funded by the National Library of Israel. <http://multimedia.huji.ac.il/hgis.html>
6. Lead organizer of the project final two-day workshop: *Identifying Israel's Most Important Research Questions for Biodiversity and Conservation Planning*, 35 participants, Tsoba, Israel, May 2011. <http://50q.sciencebasedconservation.org/default.aspx?PageId=67>
7. Organizing committee of the *Annual Conference of the Israel Geographic Association*, Jerusalem, December 2010. I led and was in charge of reviewing more than 200 abstracts, writing and editing the conference program book and program. The two-day conference was attended by over 300 participants, with guests that we invited from overseas and included also several excursions. <http://geography.huji.ac.il/?cmd=conferences.204>
8. Organizer and co-leader of the national-scale project workshop: *Identifying Israel's Most Important Research Questions for Biodiversity and Conservation Planning*, with invited overseas guests, including Prof William Sutherland, Cambridge University and Dr Xavier Leroux, Fondation pour la Recherche sur la Biodiversité), 25 participants, Israel, October 2010. <http://50q.sciencebasedconservation.org/default.aspx?PageId=55>

## Research Grants

- 2020-2021 – Dead Sea and Arava Science Center, for the following study: “Using social media to study tourism and recreation in the Ramon Crater area”, 19,000 NIS (one year)
- 2019-2021 – Israel Nature and Parks Authority, for the following study: “Historical analysis of land cover changes to habitats in the Negev”, 300,000 NIS (three years).
- 2017-2021 –Israel Ministry of Science and Technology, משרד המדע והטכנולוגיה, for the following study: “Classifying Woody Mediterranean Species using Spectral and Phenological Observations”, 526,000 NIS (three years) (Leading PI, with A/Prof Itamar Lensky and Dr Efrat Sheffer).
- 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 Nadiv: "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.

**Editorial roles**

- Associate Editor Issue in the Journal *Remote Sensing* (IF = 4.509)
- Invited Guest Editor of a Special Issue in the Journal *Remote Sensing* (IF = 4.509) "Remote Sensing of Night Lights – Beyond DMSP".  
[http://www.mdpi.com/journal/remotesensing/special\\_issues/night\\_light\\_RS](http://www.mdpi.com/journal/remotesensing/special_issues/night_light_RS)
- Invited Guest Editor of a Special Issue in the Journal *Remote Sensing* (IF = 4.509) "Remote Sensing of Geopolitics".  
[https://www.mdpi.com/journal/remotesensing/special\\_issues/geopolitics](https://www.mdpi.com/journal/remotesensing/special_issues/geopolitics)