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Shimrit Maman

Curriculum Vitae

Education

- 2007–Present **PhD student in the Department of Geography and Environmental Development, Ben-Gurion University of the Negev, Beer-Sheva, IL.**
Dissertation Title: Mobility and stability of the Central Asian ergs, a study by remote sensing and geographic information systems.
Advisors: Prof. Dan Blumberg and Prof. Haim Tsoar .
Research lab : Earth and Planetary Image Facility (EPIF) laboratory
- 2004–2006 **M.Sc in the Department of Solar Energy and Physical Environment, Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev, Sede-Boker campus, IL.**
Thesis title: Monitoring indigenous water harvesting systems on takyr in Turkmenistan by remote sensing.
Advisors: Prof. Dan Blumberg and Dr. Lea Orlovsky.
Research lab: Earth and Planetary Image Facility (EPIF) laboratory
- 2001–2004 **Bachelors in Geography and Environmental Development, Ben-Gurion University of the Negev, Beer-Sheva, IL.**

Honors and Awards

- 2006 **Graduated (Msc) with honors, Department of Solar Energy and Physical Environment, Ben-Gurion University of the Negev, Sede-Boker campus, IL.**
- 2004–2006 **Full scholarship for master's degree, Department of Solar Energy and Physical Environment, Ben-Gurion University of the Negev, Sede-Boker campus, IL.**
- 2004 **Graduated (third year of the B.A.) with honors, Department of Geography and Environmental Development, Ben-Gurion University of the Negev, Beer-Sheva, IL.**

Military service

- 1998–2000 **Teacher-Soldier in the education unit, IDF, Mandatory Service.**

Educational Experience

Courses taught as a research assistant:

- 2006–2011 **Aeolian Geomorphology, Ben-Gurion University of the Negev.**
- 2011–2011 **Planetary Geomorphology, Ben-Gurion University of the Negev.**
- 2007–2009 **Introduction to remote sensing, Achva College.**
- 2005–2006 **Planetary Geomorphology, Ben-Gurion University of the Negev.**

- Courses and workshops taught for children (EPIF activity program):**
- 2004–Present **Introduction to Remote sensing**, Makif Gimmel high school, Beer-Sheva.
- 2004–2008 **Physical basis of Remote sensing**, Amit high school, Beer-Sheva.

Conferences and Workshops

- 2011 **Poster**, *Aeolian Mobility and stability of the Central Asian ergs, A study by remote sensing and geographic information systems*, 8th Conference on Active Research by Environmental Science Students (CARESS).
Weizmann Institute of Science, IL
- 2010 **Paper**, *Aeolian mobility and stability of the Central Asian ergs, a study by remote sensing and geographic information systems*, ISPRS JOINT WORKSHOP, ISPRS Archive Vol. XXXVIII, Part 4-8-2-W9.
University of Haifa, IL
- 2010 **Oral presentation**, *Aeolian mobility and stability of the Central Asian ergs, a study by remote sensing and geographic information systems*, Association of American Geographers (AAG).
Washington, DC, USA
- 2009 **Oral presentation**, *Mobility and stability of the Central Asian ergs, a study by remote sensing and geographic information systems*, The Israel Geographic Association (IGA).
Haifa University, IL
- 2009 **Poster**, *Mobility and Stability of the Central Asian ergs, A study by remote sensing and geographic information systems - preliminary results*, 7th Conference on Active Research by Environmental Science Students (CARESS).
Weizmann Institute of Science, IL
- 2009 **Poster**, *Mobility and Stability of the Central Asian ergs, A study by remote sensing and geographic information systems - preliminary results*, Dunes in Israel, Policy and Management.
Ben-Gurion University of the Negev, IL
- 2006 **Poster**, *Monitoring Indigenous Water Harvesting Systems on Takyr in Turkmenistan by Remote Sensing*, The Israel Geographic Association (IGA).
Hebrew University, IL
- 2006 **Poster**, *Monitoring Indigenous Water Harvesting Systems on Takyr in Turkmenistan by Remote Sensing*, The British Geomorphological Research Group (BGRG).
Loughborough University, UK

Articles

- 2011 **A landcover change study of takyr surfaces in Turkmenistan**, Maman, S., Orlovsky, L., Blumberg, D.G., Berliner, P., and Mamedov, B.
Journal of Arid Environments, doi.10.1016/j.jaridenv.2011.04.002

Articles in Press

- Invited review **The Central Asian ergs, A review by remote sensing and geographic information systems**, Maman, S., Blumberg, D.G., Tsoar, H., Mamedov, B., Porat, N.
Aeolian Research, Elsevier

Articles in preparation

Absolute and relative age of the Central Asian ergs, Maman, S., Blumberg, D.G., Tsoar, H., and Mamedov, B.

Intended journal: Quaternary research

Spectral discrimination of takyrs and solonchaks soils of Turkmenistan, Maman, S., Blumberg, D.G., Orlovsky, L., and Mamedov, B.

Intended journal: International journal of remote sensing

Computer skills

Software MATLAB, ENVI, ERDAS Imagine, ArcGIS 9.3, Microsoft office, openoffice, latex

Languages

Hebrew **Fluent**

English **Fluent**

My native language.

Speaking, reading, and writing.