

Gili Koniak

CURRICULUM VITAE

Institute of Plant Sciences
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Personal

Date of birth: 22.10.1975

Education

- 2002-2009 Ph.D. student, Plant Sciences, Institute of Plant Sciences and Genetics in Agriculture, The Hebrew University of Jerusalem, Israel (HUJI)
Thesis: Development and application of multiple-benefits management dynamic model of Mediterranean landscape. Thesis advisors: Prof. Imanuel Noy-Meir, Prof. Jaime Kigel, and Prof. Avi Pervolotzky.
- 2006, Fall Student visitor fellow hosted by Prof. William Clark, Science, Environment and Development Group (SED), Kennedy School of Government, Harvard University, MA, USA.
- 1997-2000 B.Sc.Agr. Agricultural Economics and Management, Hebrew University, Jerusalem, Israel (HUJI)

Teaching :

2007-2009 : INTEGRATED OPEN SPACE MANAGEMENT, Institute of Plant Sciences and Genetics in Agriculture, HUJI

Teaching assistant:

Institute of Plant Sciences and Genetics in Agriculture, HUJI

2005 fall: INTRODUCTION TO PLANT SCIENCE B, Prof. Eliezer Zamski

2005 spring: INTRODUCTION TO GIS, Dr. Yafit Cohen.

2005 spring: GROWING OF MEDICINAL, AROMATIC & SPICE PLANTS,
Dr. Nativ Dudai

2004 spring: INTRODUCTION TO PLANT SCIENCE A, Prof. Amnon Schwartz

2003, 2004 fall: INTRODUCTION TO PLANT SCIENCE B, Prof. Jaime Kigel

Recent research:

- Management of Mediterranean vegetation for multiple benefits: modelling and application
- Integrated Management: bees and cattle forage.

Publications

- Koniak, G., Noy-Meir, I., and Perevolotsky, A. (under review) Estimating multiple benefits from vegetation in Mediterranean ecosystems. Submitted to Biodiversity and Conservation.
- Koniak, G., and Noy-Meir, I. (in press) A management responsive model of vegetation dynamics in Mediterranean ecosystems. Ecological Modelling.
- Bar Massada, A., Koniak, G., Noy-Meir, I., and Carmel, Y. (in review) The effects of disturbance based management on the spatio-temporal dynamics of Mediterranean vegetation: A spatially hierarchical modeling approach.
- Koniak, G., Noy-Meir, I., and Perevolotsky, A., (in press), Modelling vegetation dynamics and management processes in Mediterranean ecosystems: implications for the provision of ecological economic and social services. In: Perevolotsky, A. (Ed.), Conserving Mediterranean Ecosystems: The case study of Ramat Hanadiv and beyond. Oxford University Press.
- Bar Massada, A., Koniak, G., Carmel, Y., and Noy-Meir, I. Modeling the dynamics of Mediterranean landscapes under various disturbance regimes (Abstract). The International Association of Landscape Ecology World Congress, Wageningen, the Netherlands, July 2007. p. 1116.
- Koniak, G. and Noy-Meir, I. 2005. An approach to modelling vegetation dynamics and multiple benefits, in response to land management. In: Modelling, Simulation and Optimization (Ed. Tonella, G.). Proceedings 5th IASTED International Conference, Oranjestad, Aruba. On CD, 471-478.pdf.

Presentations in Scientific Conferences

- Koniak, G., Noy-Meir, I., and Perevolotsky, A., 2007, A model of Mediterranean vegetation dynamics and multiple benefits as a management tool. Ecology, Conservation and Management of Mediterranean Climate Ecosystems. Perth WA Australia, 11th MEDECOS Congress.
- Bar Massada, A., Koniak, G., Carmel, Y., and Noy-Meir, I., 2006. Dynamics of the Mediterranean vegetation mosaic: modeling across spatial scales from simple to complex. The Ecological Society of America (ESA) annual meeting, COS 57- Ecological modeling II. Memphis, Tennessee, USA
- Koniak, G., Noy-Meir, I., and Perevolotsky, A., 2006, An approach to modeling dynamics of biodiversity in response to disturbances. Modelling Diversity, Sde-Boker, Israel.
- Koniak, G., Noy-Meir, I., and Perevolotsky, A., 2006, Modelling dynamics of environmental benefits in response to land management as an outcome of dominant vegetation state. The 43th annual ISEEQS conference
- Koniak, G., and Noy-Meir, I., 2005, A dynamic model for multiple-benefit management, development and testing for estimating benefits as a function of vegetation formation. Rothschild Foundation - Nekudat Hen Annual Conference: Promoting Landscape and Environment Values in Agriculture, Tzuba, Israel.

Other presentations:

- June 2007, to the Board of Governors of The Hebrew University of Jerusalem, Israel.
- October 2006, in SED group seminar, Kennedy school of Government, Harvard University, MA USA.
- November 2006, in Harvard Forest, Harvard University, MA USA.
- May 2005, to the scientific division of the Israel Nature & National Parks Protection Authority, Jerusalem, Israel.

Grants and honors

- 2007, Board of Governors of The Hebrew University of Jerusalem, Israel: representative of the Ph.D. students to the annual academic session.
- 2007, Association of Trustees & Friends of agricultural research at the Volcani Center, Israel, scholarship reward in forestry research.
- 2006, Fulbright United States-Israel Educational Foundation Fellowship, support for short term research and studies in the USA.
- 2006, Baron de Hirsch Foundation, support for short term research and studies for in the USA.

Israel Defense Forces

1994-1996 Commander and officer (Lieutenant) in boys Basic Training. Responsible for basic military skills, general education and social well-being for squad of 30 soldiers with special needs and difficulties.

Activities

2007- Ecolibris, environmental and natural resource advisor (a private company which balance out books (paper) by planting trees in developing countries, towards sustainability).

2007-2008 Weizmann Institute of Science, teaching assistant volunteer in science labs for special and difficult teenagers.

2003-2007 Society for the Protection of Nature in Israel (SPNI), member.

1998-2000 Society for the Protection of Nature in Israel (SPNI), instructor for Ethiopian Jews youth about nature, ecosystems and Israeli culture, to build their social abilities and support groups to improve integration into Israeli society.

Hobbies

- **Travel** – Visited North America, South America, Central America, South East Asia, Europe, and Australia (18 months in total, 23 different countries)
- **Fitness Activity** – swimming and biking (weekly)
- **Hiking** – 1-3 days trip (once a month)