Ziv Klausner January 2019

Curriculum Vitae

Department of Applied Mathematics,
Israel Institute for Biological Research (**IIBR**),
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Personal Details

Date of Birth	5 March 1973, Israel
Marital Status	Married, two children
Citizenship	Israeli citizen

Education

2010 – 2016 **Ph.D.**, **Epidemiology and Atmospheric sciences**, The Hebrew University of Jerusalem (HUJI), Israel.
Advisors: Prof. Eyal Klement (HUJI), & Dr,.Eyal Fattal (IIBR).
Thesis Title: "*Modelling atmospheric long distance dispersal of pathogens with application to viruses emergence to Israel.*"

1997 – 2002 **M.Sc., Decisions and Operations Research,** Tel-Aviv University**,** Israel.
Advisor: Dr. Arnon Boneh.
Thesis Title: "*A sub-optimal group testing policy, which is based on the optimal policy for identification of small populations.*"

1991 – 1993 **B.A.**, **Logistics and Economics**, Bar Ilan University, Israel.
Graduated Cum Laude.

Professional experience

2001 – Present **Research Scientist**,
The department of applied mathematics,
Israel Institute for Biological Research, Ness-Ziona, Israel.
Research in the field of atmospheric sciences and statistics for studying atmospheric flow and dispersion phenomena in complex domains such as urban canopies and complex terrain

1993 – 2001 **Military officer,**
Israel Defense Forces (IDF) in the academic Atuuda track,
- *Different positions in the Logistic array*

Awards and Honors

2016 The IIBR Environmental Sciences Division Award for Excellence in research. (Israel Institute for Biological Research).

2000 Dean's list (Tel-Aviv University).

1992 Dean's list (Bar-Ilan University).

Current Research Interests

- *Research and development of statistical models for studying micro-meteorological atmospheric flow in urban canopies and complex terrain:*
  - *Development of models for predicting the wind field in urban areas, both in time and in space.*
  - *Characterization of the structure of the boundary layer based on detailed meteorological measurements.*
- *Modeling, design and analysis of experiments:*
  - *Design of respiratory protection experiments and analysis of the results.*
  - *Development of a new theoretical framework for modeling respiratory protection. This framework is based on the beta distribution. This distribution is the unique solution for the formulation of the problem from first principles.*

Conferences and Seminars

- 19 conference presentations in Israel and USA.