

ARIEL FREUNDLICH

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## **CURRICULUM VITAE (short version)**

### **Personal Details**

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### **Education**

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**B.A.** 1985-88, Bar Ilan University, Ramat Gan, Israel  
Department of Geography (Physical Geography)

**M.A.** 1989-94, Bar Ilan University, Ramat Gan, Israel  
Department of Geography  
Research area: Climatology  
Name of advisor: Prof. Yair Goldreich and Dr. Pinhas Alpert  
Title of thesis: Orographic Rain on Mount Carmel

**Ph.D.** 1999-2003, Haifa University, Haifa, Israel  
Department of Geography  
Research area: Human Climatology  
Advisors: Dr. Haim Kutiel and Dr. Yoel Mansfeld  
Title of thesis: Evaluation of Israel's Climate According to Touristic Criteria

### **Areas of interest in research and teaching**

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Climate change and global warming; Climate and society

Scientific education; Meaningful learning; Online teaching and learning; Extracurricular learning in the education system

### **Academic Ranks and Tenure in Institutes of Higher Education**

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2008-present: Achva Academic Collage: School of Sciences, School of Education;  
**Lecturer**

2016-present: Washington Hill College: Head of the internship unit; Department of Sciences; **Senior Lecturer**

## Scientific Publications

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### Refereed articles

Goldreich, Y., **Freundlich, A.** and Alpert, P. (1997). Rainfall Anomaly Over the Lee Side of Mt. Carmel (Israel) and the Associated Wind Field. *Journal of Applied Meteorology*, 36, 748-762.

<http://journals.ametsoc.org/doi/pdf/10.1175/1520-0450-36.6.748>

**Freundlich, A.**, Mansfeld, Y, and Kutiel, H. (2002). Weather conditions and their effect on tourist comfort at the beaches of Eilat, Israel, during typical winter conditions: A case study. *Horizons in Geography*, 54, 45-67. (in Hebrew).

[https://drive.google.com/file/d/1ndKldqCi9oqHu\\_1kDyBq9nDKOEWJSij0/view?usp=sharing](https://drive.google.com/file/d/1ndKldqCi9oqHu_1kDyBq9nDKOEWJSij0/view?usp=sharing)

**Freundlich, A.** (2003). *Evaluation of Israel's Climate according to Touristic Criteria*. PhD. Thesis, Haifa University, 149 pp. (in Hebrew).

<https://drive.google.com/file/d/1uKKcfMlwlNRyYvBsiRhsmaAM-KLbZoUY/view?usp=sharing>

**Freundlich, A.**, Kutiel, H. and Mansfeld, Y. (2006). Evaluation of thermal stress and prediction of year-round visiting periods, in open touristic sites, in varying conditions of sun and shade, using PET biometeorological index. *Merhavim*, 6, 224-251. (in Hebrew).

<https://drive.google.com/file/d/1N4SHoosHAAE4BUb3d8EwXHHEgF66GpBb/view?usp=sharing>

Mansfeld, Y., **Freundlich, A.** and Kutiel, H. (2007). The relationship between weather conditions and tourists' perception of comfort: the case of the winter sun resort of eilat. In: B. Amelung; K. Blazejczyk & A. Matzarakis (eds.). *Climate Change and Tourism - Assessment and Copying Strategies*, 116-138. (e-book: ISBN: 978-00-023716-4). Maastricht – Warsaw – Freiburg.

[http://www.urbanclimate.net/matzarakis/papers/Book\\_Nato.pdf](http://www.urbanclimate.net/matzarakis/papers/Book_Nato.pdf)

**Freundlich, A.** and Shay, O. (2015). Meaningful Learning in the Information Age: An Analysis of Open-Book Exams on Geographical Topics - Initial Conclusions. *Horizons in Geography*, 87, 144-158. (in Hebrew).

<https://drive.google.com/file/d/1muSYDknXVEWtoblHIPEmc7AX-Jcir2Dh/view?usp=sharing>

**Freundlich, A.** (2016). Thermal Complexity in Outdoor Environment: Effects of Micro-Meteorological Factors on Thermal Stress in Typical Outdoor Conditions in Israel – a Theoretical Analysis. *The Geographical Network*, 9, 1-14. (in Hebrew).

<https://drive.google.com/file/d/0BxaWrGC1IoTpM3hSaE9kazVfMWM/view?usp=sharing&sourcekey=0-QbtrXitmT4zgv- K4IO1nQ>

Shay, O. and **Freundlich, A.** (2018). Educational Museum Activity in Israel: children and youth. *Mifgash*, 26(48), 227-243. (in Hebrew).

<https://drive.google.com/file/d/1rl2CisR81wI0BB7eaTE-Td1sc2DgUjQk/view?usp=sharing>

### Lectures and Presentations at scientific Conferences

**Freundlich, A.**, and Goldreich, Y. (1994, March 21<sup>st</sup>). *Rain Anomaly of Yagur*. [conference presentation] Annual Conference of Israeli Meteorological Association, Shefayim, Israel.

- Freundlich, A.** and Alpert, P. (1995, March 22-23<sup>rd</sup>). *Hints of urban influences on precipitation in Haifa and Krayot regions – analysis using an orographic model.* [conference presentation] Annual Conference of Israeli Meteorological Association, Shoresh, Israel.
- Freundlich, A.** (1999, March 21<sup>st</sup>). *Distribution of ground wind during rain in northern Israel: Is it really westerly?* [conference presentation] Annual Conference of Israeli Meteorological Association, Bat Yam, Israel.
- Freundlich, A.,** Mansfeld, Y. and Kutiel, H. (2000, December 24-25<sup>th</sup>). *Microclimate of a winter beach resort (Eilat) and its effect on comfort sensations of tourists and vacationers.* [conference presentation] Annual Conference of Israeli Geographical Association, Jerusalem, Israel.
- Freundlich, A.,** Kutiel, H. and Mansfeld, Y. (2003, March 25<sup>th</sup>). *Estimation of thermal stress and convenient visiting periods, under conditions of sun and shade, in open touristic sites in Israel – using PET biometeorological index.* [conference presentation] Annual Conference of Israeli Meteorological Association, Bat Yam, Israel.
- Freundlich, A.** (2014, December 21-23<sup>rd</sup>). *Climatological variables and thermal loads, and their application in annual planning of educational tours in the education system.* [conference presentation] Annual Conference of Israeli Geographical Association, University of Haifa, Haifa, Israel.
- Freundlich, A.** (2017, July 10-11<sup>th</sup>). *Human thermal complexity in outdoor environment: effects of micro-meteorological factors on thermal stress in outdoor conditions – a theoretical Analysis using a Biometeorological model.* [conference presentation] 45<sup>th</sup> Annual Conference of Science and Environment, Interdisciplinary Center, Herzliya, Israel.  
[http://conference-archive.isees.org.il/wp-content/uploads/2017/07/Abstracts-book\\_ISEES2017conference.pdf](http://conference-archive.isees.org.il/wp-content/uploads/2017/07/Abstracts-book_ISEES2017conference.pdf)
- Freundlich, A.** (2017, July 30<sup>th</sup> – Aug. 3<sup>rd</sup>). *Analysis of open-book exams: A case study and possible relevance for meaningful learning* [conference presentation]. International Conference on Education, Clute Institute, New York, USA.  
<https://www.cluteinstitute.com/conference-programs/ny17program.pdf>
- Freundlich, A.,** Hitman-Farkash, A., and Chen, L. (2019, June 18-20<sup>th</sup>) *Assessment of expected future thermal load in Tel Aviv region in the 100th year of Israel due to expected climatic, demographic and environmental changes* [conference presentation]. 47th Annual Conference of Science and Environment, Tel Aviv University, Tel Aviv, Israel.
- Freundlich, A.** (2021). Quantitative assessment of future thermal load (2050) in the urban area of Tel Aviv, Israel, due to climatic and environmental changes. 22<sup>nd</sup> International RAIS Conference on Social Sciences and Humanities, New Jersey, USA, June, 21<sup>th</sup>, 2021 (online conference).  
<http://e-sciences.rais.education/program/>

**Freundlich, A.** (2021). Teaching, Learning and assessment with technological tools during the Corona period in the education system in Israel, in different reference and cultural groups. *Intercultural Education in an Age of Information and Disinformation, Tel Aviv, June 27-30<sup>th</sup>*, 2021 (online conference).  
<https://drive.google.com/file/d/1Hhmr8wCKhnEe3kgmQgbMXH5ONpCakpz9/view>

Freundlich, A., Zidan, W., Shevah, E., Bouhnik, O., & Dallasheh, W. (2022). Staj-tech: Online, inter-college, multicultural, internship workshop - in Israel. *Intercultural Education on the Move: Facing Old and New Challenges. IAIE Intercultural Conference, October 1-2, 2022* (online conference).  
[https://sae.eap.gr/wp-content/uploads/2022/09/%CE%99%CE%91%CE%99%CE%95\\_2022-ConferenceProgramme\\_THEFINALversion.pdf](https://sae.eap.gr/wp-content/uploads/2022/09/%CE%99%CE%91%CE%99%CE%95_2022-ConferenceProgramme_THEFINALversion.pdf)

### **Lectures and Presentations at Meetings and Invited Seminars not Followed by Published Proceedings**

**Freundlich, A.** (2011, January 25<sup>th</sup>). *Climate change and global warming*. [seminar presentation]. Achva Academic College, Beer Tuvia, Israel.

**Freundlich, A.** (2018, May 23<sup>rd</sup>). *Principles of weather, climate and synoptics*. [seminar presentation]. Achva Academic College, Beer Tuvia, Israel.

**Freundlich, A.** and Midser, M. (2019, June, 4<sup>th</sup>). *Quantitative evaluation of future thermal load in Tel Aviv Metropolitan area, due to predicted Climatological and Environmental changes, using RayMan model and PET index* [conference presentation]. Washington Hill Research Conference, Washington Hill College, Beit Raban, Israel.

**Freundlich, A.** (2019, October 28<sup>th</sup>). *Significant learning in the information age Analysis of open material exams - preliminary conclusions* [conference presentation]. Washington Hill Academic colloquium, Washington Hill College, Beit Raban, Israel.