

Maya Bartov

CV
Nov 2022

Personal information

Date of birth: January 8, 1983

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Education

2016-2018 The Hebrew University of Jerusalem

PhD, program in hydrology and water resources, Earth Science institute, faculty of mathematics and natural sciences.

Research focus: Global rain patterns of extreme rainfall events, supervised by Prof. Efrat Morin

- Discontinued due to a health problem

2010-2013 The Hebrew University of Jerusalem

M.Sc., program in hydrology and water resources, Earth Science institute, faculty of mathematics and natural sciences.

Thesis titled: "Synoptic characterization and indices evaluation for flash flood prediction in Israel's southern and eastern regions", supervised by Prof. Uri Dayan and Prof. Efrat Morin

2007-2010 The Hebrew University of Jerusalem

B.Sc., program in climate, atmospheric science and oceanography, Earth Science Institute, faculty of mathematics and natural sciences

Teaching experience

The Open University of Israel

Teaching Associate	"Climate Theory"	Mar 2022 – July 2022 Mar 2021 – July 2021
	"The Climate Change problem"	July 2022 – Sep 2022
	"Modern Problems in Atmospheric Science"	July 2021 – Sep 2021 July 2020 – Sep 2020 July 2019 – Sep 2019 July 2017 – Sep 2017
	"Meteorology Lab: Measurements, Observations, and Synoptic Analysis"	Mar 2022 – July 2022 Mar 2021 – July 2021 Mar 2020 – July 2020 Mar 2019 – July 2019 Mar 2018 – April 2018 Mar 2017 – July 2017

"Introduction to Meteorology"	Oct 2022 – Feb 2023 Oct 2021 – Feb 2022 Oct 2020 – Feb 2021 Nov 2019 – Mar 2020 Oct 2017 – Feb 2018 Oct 2016- Feb 2017 Sep 2015 - Feb 2016
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The Hebrew University of Jerusalem

Teaching Assistant	"Introduction to Tropical Meteorology"	Mar 2017 –July 2017
	"Climate Change"	Mar 2017 –July 2017
	"Remote Sensing of the Atmosphere"	Oct 2017 – Feb 2018
	"Introduction to Climate"	Oct 2017 – Feb 2018 Oct 2016 –Feb 2017
	"Atmospheric Thermodynamics"	Oct 2016 –Feb 2017

Ben-Gurion University of the Negev

Teaching Associate	"Introduction to Aviation Meteorology"	Jan 2021 – June 2021 July 2020 – Dec 2020 Jan 2020 – June 2020 July 2019 – Dec 2019 Jan 2019 – June 2019 Jan 2018 – June 2018 July 2017 – Dec 2017 Jan 2017 – June 2017 July 2016 – Dec 2016
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Course development

The Open University of Israel

Teaching Associate	"Meteorology Lab: Measurements, Observations, and Synoptic Analysis"	2021-2022
	"The Climate Change problem"	2022

Professional experience

Nov 2019 – Mar 2020	Abiotix Weather forecaster
Nov 2019	Israir Guest Lecturer
Oct 2016 – Apr 2018	The Hebrew University of Jerusalem Teaching Assistant and Research Assitant
July 2016 – June 2021	Ben-Gurion University of the Negev Teaching Associate
Oct 2015 – current	The Open University From 2017: Course Coordinator and Lecturer - Teaching Associate Before: Lecturer - Teacher Part-Time
Oct 2010 - June 2016	Israeli Meteorological Service Weather forecaster; Certified aviation forecaster;

Oct 2009 - Apr 2010 **Shaham rainfall enhancement project**
Weather Radar observer

Dec 2007 - June 2009 **Israeli News Company**
Weather forecast producer

Army service

Israeli Air Force: Major (reserve duty)

June 2002 - Aug 2005 Weather forecaster and training officer

Dec 2001 - June 2002 Meteorological observer

Publications

Peleg, N., Bartov, M., Morin, E., (2015), CMIP5-predicted climate shifts over the East Mediterranean: implications for the transition region between Mediterranean and semi-arid climates. *International Journal of Climatology*, 35, p. 2144-2153

Garfinkel C. I., Adam O., Morin E., Enzel Y., Dayan U., Elbaum E., Bartov M., Rostkier-Edelstein D. (2020) The role of zonally averaged climate change features in contributing to inter-model spread in CMIP5 predicted local precipitation changes. *Journal of Climate*, 33, p. 1141-1154

Conference Presentations

- 2016** Bartov, M., Morin, E., Dayan, U., Synoptic characterization and indices evaluation for flash flood prediction in Israel's southern and eastern regions. *The Israeli Meteorology Society (IMS) annual meeting*, Ra'anana, Israel
- 2013** Bartov, M., Morin, E., Dayan, U., Synoptic characterization and indices evaluation for flash flood prediction in Israel's southern and eastern regions. *Water Resources 2013 Students Conference*, Jerusalem, Israel
- Bartov, M., Morin, E., Dayan, U., Synoptic characterization and indices evaluation for flash flood prediction in Israel's southern and eastern regions. *The Israel Association of Water Resources (EYAL) annual meeting*, Caesarea, Israel

Conference Activity

- 2017** Convener of the Water Resources 2017 Conference (WaterConf2017)
- 2018** Consulting for the May 2018 DMBI@SISE-BGU Data Hackathon for Social Good

Academic Awards and Scholarships

- 2016-2017** Excellence Scholarship, The Advanced School for Environmental Studies, Hebrew University of Jerusalem, Israel
- 2022** Award for Teaching initiative, Dean of academic teaching, Open University of Israel, Ra'anana, Israel

Professional development

- 2020-2022** Different workshops for learning technologies and teaching strategies (Open University of Israel, Ra'anana, via ZOOM)
- 2017** Swiss Climate Summer School, High-resolution climate: observations, models and projections (Monte Verità, Ascona, Switzerland)
- 2016** ISU SSP16 – International Space University, Space Studies Program 2016 (Technion, Haifa, Israel)
- 2015** Oceanography and wave forecasting course (IMS, Bet-Dagan, Israel)
- 2014** Statistical methods in Climatology course (IMS, Bet-Dagan, Israel)

2012 4th CNR-ISAC Summer School, Severe Convective Weather: Theory and Applications (Leece, Italy)
International workshop, Competence Assessment of Aviation Forecasters and Observers (Shefayim, Israel)
Aviation forecasting course (IMS, Bet-Dagan, Israel)

Languages

Hebrew – mother tongue; English – excellent