

Maya Bartov

CV
Aug 2024

Personal information

Date of birth: January 8, 1983

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Education

2024-current The Open University of Israel

PhD, program in Education Technologies in Learning Systems, Department of Education and Psychology

Research focus: Assessing science and activism knowledge about climate change in university students, supervised by Prof. Anat Ben-David

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 2024 – July 2024
		Mar 2023 – July 2023
		Mar 2022 – July 2022
		Mar 2021 – July 2021
	"The Climate Change problem"	July 2024 – Sep 2024
		July 2023 – Sep 2023
		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 2024 – July 2024
	Mar 2023 – July 2023
	Mar 2022 – July 2022
	Mar 2021 – July 2021
	Mar 2020 – July 2020
	Mar 2019 – July 2019
	Mar 2018 – April 2018
	Mar 2017 – July 2017
	Oct 2023 – Feb 2024
	Oct 2022 – Feb 2023
"Introduction to Meteorology"	Oct 2021 – Feb 2022
	Oct 2020 – Feb 2021
	Nov 2019 – Mar 2020
	Oct 2017 – Feb 2018
	Oct 2016- Feb 2017
	Sep 2015 - Feb 2016

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

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

Dec 2023 – Jan 2024	Israeli Dryland farming (falcha) workers organization Guest Lecturer - Agrometeorology basics course
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

- 2020-2024** 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