

Curriculum Vitae Elad David

CONTACT INFORMATION

Personal E-mail: eladdv@gmail.com
Work E-mail: elad.david@weizmann.ac.il
Personal Phone: +972-54-8351822

ACADEMIC STUDIES

Weizmann Institute of Science, Rehovot, Israel

Ph.D., Planetary Science

March 2023 - present

Supervisor: Prof. Oded Aharonson

Title of Ph.D. Thesis Proposal: *“The Bidirectional Reflectance of Martian CO₂ Ice from Remote Sensing Measurements”*

Weizmann Institute of Science, Rehovot, Israel

M.Sc., Planetary Science

September 2021 - March 2023

Supervisor: Prof. Oded Aharonson

Title of M.Sc. Thesis: *“The Effect of Ground Ice Redistribution on the Martian Paleo-CO₂ Cycle”*

Hebrew University of Jerusalem, Jerusalem, Israel

B.Sc., Chemistry and Biology, *cum laude*

September 2017 - August 2021

“Etgar-Chemistry” and “Amirim-Natural Sciences” honors programs

AWARDS, SCHOLARSHIPS AND ACHIEVEMENTS

Mars Program Office Student Travel Award

8th International Conference of Mars Polar Science and Exploration
2024

Ramon Scholarship for Space-oriented Internships

Israel Space Agency

2023

Internship subject: basic analysis of geospatial data from the Mars Climate Sounder, PI: Prof. Paul Hayne, University of Boulder, Colorado

Additionally, participated in the observational campaign of the occultation of asteroid (269) Justitia

Prize for Incoming M.Sc. Students for Excellence in Undergraduate Studies

Maurizio Dwek Research School of Chemical Sciences, Weizmann Institute of Science
2020

Prize for Excellence in Undergraduate Studies for Intelligence Corps Alumni

Jacob Brandis Memorial Foundation

2020

“Amos de-Shalit” Summer School for Outstanding Undergraduate Students

Weizmann Institute of Science

2019

“Amirim-Natural Sciences” honors scholarship

Hebrew University of Jerusalem

2018-2020

Project subject: amyloid fibers in the bacterial extra-cellular matrix, PI: Dr. Liraz Chai, title: *“Isolation of Functional Amyloid Fibers from a Bacterial Biofilm”*

Department of Genetics Grant for Summer Internships

Hebrew University of Jerusalem

2018

Internship subject: effects of mutation on meiosis in *C.elegans*, PI: Dr. Yonatan Tzur

Dean's list

Hebrew University of Jerusalem
2017-2018, 2019-2020

PUBLICATIONS LIST The Effect of Ground Ice Redistribution on the Martian Paleo-CO₂ Cycle

E. David, O. Aharonson, E. Vos, N. Schorghofer

Journal of Geophysical Research - Planets (*accepted, December 2024*)

Size and Shape of (269) Justitia from the 2023 August 31 Stellar Occultation

M.W. Buie, P. Hayne, H. Al-Mazmi, M. Landis, W. Bottke *et al.* (contributed as a co-author)

In preparation, December 2024

CONFERENCE 13th Earth and Planetary Science Student Conference

ORGANIZATION September 2022

Department of Earth and Planetary Science, Weizmann Institute of Science

Position: member of the organizing committee

CONFERENCES 8th International Conference of Mars Polar Science and Exploration

July 2024, Whitehorse, Canada

Oral presentation, "*The Bidirectional Reflectance of Seasonal CO₂ from MCS Measurements*"

54th Lunar and Planetary Science Conference

March 2023, Woodlands, Texas

Oral presentation, "*The Effect of Ground Ice Redistribution on the Martian Paleo-CO₂ Cycle*"

7th Mars Atmosphere Modeling and Observations Workshop

June 2022, Paris, France

Poster presentation, "*The Effect of Ground Ice Redistribution on the Martian Paleo-CO₂ Cycle*"

53rd Lunar and Planetary Science Conference

March 2022, Woodlands, Texas

Poster presentation, "*The Effect of Ground Ice Redistribution on the Martian Paleo-CO₂ Cycle*"

EDUCATION Davidson Institute of Science Education

EXPERIENCE 2021 - present

Chemistry, geology laboratory for high school students

Telescopic observations for general audience and students

Intelligence Corps

2015-2016

Instructor in basic intelligence course, personal mentorship and development of educational material

VOLUNTEER Davidson Institute of Science Education

EXPERIENCE 2024

Development of novel space-oriented educational programs (associated with the Ramon Scholarship for Space-related Educational Programs)

"Atid" educational program

2013-2014

Assistance in studies for underprivileged high school students (associated with military service)

MILITARY SERVICE Intelligence Corps

2013-2016

Active reserve service