

Amit Meltzer

Date of Birth: 02/01/1987

Family Status: Married + 2

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Education

- **Direct Ph.D. Candidate, The Hebrew University of Jerusalem, Israel**
Institute of Earth Sciences, 2016 – *present*. (M.Sc. Grade average: 95)
Thesis: The metasomatic effect of high-density fluids on the mantle and their evolution.
Advisor: Prof. Ronit Kessel
March 2018: Research proposal and transition from M.Sc. to direct PhD track.
November 2019: Research proposal and stage B transition
- **B.Sc. *cum laude*, The Hebrew University of Jerusalem, Israel**
Institute of Earth Sciences, 2014-2016. (B.Sc. Grade average: 91.35)
Majoring in Geology

Employment

- **Teaching assistant, Hebrew University of Jerusalem, Israel**
2016 – *present*.
Courses: Introduction to geochemistry, Igneous and metamorphic petrology, Igneous and metamorphic petrography
- **Organizers assistant**
February 2017
The 6th Kaplan international Workshop: Partitioning of trace elements and stable isotopes from the core to the oceans: thermodynamics and applications, Kibbutz Eilat, Israel.

Awards and Distinctions

- **2018: Shruga-Diker Award of the Institute of Earth Sciences, The Hebrew University of Jerusalem**

- **2016 – 2017: Dean’s merit award for M.Sc. students**, The Hebrew University of Jerusalem
- **2016 – 2017: Dean’s list for M.Sc. students**, The Hebrew University of Jerusalem
- **2015 – 2016: Dean’s list**, The Hebrew University of Jerusalem
- **2014 – 2016: Graduated with honors**, The Hebrew University of Jerusalem

Scientific activities

- **2018 – Present:** Co-advising a B.Sc. student (Sahar Gerber) in an independent research project in the lab.
- **2016 – present:** Member of the audit committee of the teachers and researchers' organization, Hebrew University of Jerusalem, Israel

Voluntary Community Service

- **2003-2006: Volunteered in the Bnei Akiva organization**
Counsellor and graduate activities coordinator, Zichron Yaakov, Israel

Military Service (IDF)

- **Present:** Reserves service as a military geologist
- **2013 – 2018:** Reserves service as a Deputy company commander
- **2007 – 2012:** Deputy company commander, navigation platoon commander, team commander and combat Soldier

Scientific publication

Papers

- Meltzer, Amit, and Ronit Kessel. "Modelling garnet-fluid partitioning in H₂O-bearing systems: a preliminary statistical attempt to extend the crystal lattice-strain theory to hydrous systems." *Contributions to Mineralogy and Petrology* 175.8 (2020): 1-16.

Abstracts

- Meltzer, A., Fumagali, P., Zuberana, L., Kessel, R. (2018) **The Metasomatic Influence of Silicic HDF on the Sub Continental Lithospheric Mantle**. EGU Galileo conference "Exploring new frontiers in fluids processes in subduction zones", Leibnitz, Austria. **Oral presentation.**