

Adi Torfstein

Affiliation: The Fredy & Nadine Herrmann Institute of Earth Sciences,
The Hebrew University of Jerusalem
Phone (Office): 08-6360195
Phone (Cell): +972-54-8820674
E-mail: adi.torf@mail.huji.ac.il

EDUCATION

BSc- 2002, Hebrew University of Jerusalem;
PhD- 2008, Hebrew University of Jerusalem;
Post-doc-2008-2011, Lamont-Doherty Earth Observatory of Columbia University

APPOINTMENTS

Hebrew University: Lecturer- 2013 - present
Lamont-Doherty Earth Institute of Columbia University: Adjunct Research Professor- 2013 - present
Lamont-Doherty Earth Institute of Columbia University: Assistant Research Professor-2011-2013

AWARDS AND HONORS

- Hebrew University Bentor award for excellence in research, Autumn 2010
- Sussman postdoctoral award of the Sussman Center for Environmental Sciences at the Weizmann Institute of Science, Spring 2008
- Postdoctoral scholar fellowship at Woods Hole Oceanographic Institution, Spring 2008 (declined)
- Postdoctoral associate fellowship at the Institute of Marine and Coastal Sciences, Rutgers University, Spring 2008 (declined)
- Israel Geological Society Peretz-Grader award for excellence in research, 2007

SELECTED PROFESSIONAL ACTIVITY

Coordinator of GEOTRACES operations in Israel (2013 - present)

TEACHING- general field and/or courses names if wishes

Geology field mapping, Dead Sea, Oceanography, Paleoceanography

LIST OF PUBLICATION or Google scholar site

BOOKS/EDITED VOLUMES:

JOURNAL ARTICLES:

- Torfstein A., Goldstein S.L., Stein M., Kushnir Y., Enzel Y. and Haug G. (2015) Response to comment on "Dead Sea drawdown and monsoonal influences in the Levant during the last interglacial" [EPSL, 412, 235-244, 2015] *Earth and Planetary Science Letters* 427, p. 306-308.
- Torfstein A., Goldstein S.L., Stein M., Kushnir Y., Enzel Y. and Haug G. (2015) Dead Sea drawdown and monsoonal influences in the Levant during the last interglacial. *Earth and Planetary Science Letters* 412, p. 235-244.
- Neugebauer I., Brauer A., Schwab M.J., Waldmann N.D., Enzel Y., Kitagawa H., Torfstein A., Frank U., Dulski P., Agnon A., Ariztegui D., Ben-Avraham Z., Goldstein S.L. and Stein M. (2014) Lithology of the long sediment record recovered by the ICDP Dead Sea Deep Drilling Project (DSDDP). *Quaternary Science Review* 102, p. 149-165.
- Torfstein A., Hammerschmidt K., Friedrichsen H., Starinsky A. and Kolodny Y. (2013) Helium isotopes in the Dead Sea Transform waters. *Chemical Geology* 352, p. 188-201.
- Torfstein A., Goldstein S.L., Stein M. and Enzel Y. (2013) Impacts of Abrupt Climate Changes in the Levant from last glacial Dead Sea levels. *Quaternary Science Review* 69, p. 1-7.
- Torfstein A., Goldstein S.L., Kagan E. and Stein M. (2013) Integrated multi-site U-Th chronology of the last glacial Lake Lisan. *Geochimica et Cosmochimica Acta* 104, p. 210-231.
- Torfstein A. (2012) Size fractionation Reproducibility and Provenance of Helium Isotopes in North-Equatorial Pacific Pelagic Clays. *Earth and Planetary Science Letters* 339-340, p. 151-163.
- Torfstein A., Winckler G. and Tripathi A. (2010) Productivity feedback did not terminate the Paleocene-Eocene Thermal Maximum (PETM). *Climate of the Past* 6, p. 265-272.
- Waldmann N., Torfstein A. and Stein M. (2010) Northward migration of monsoon activity across the Saharo-Arabian desert belt during the last interglacial: evidence from the Levant. *Geology* 38, p. 567-570.
- Stein M., Torfstein A., Gavrieli I. and Yechieli Y. (2010) Abrupt aridities and salt deposition in the post-glacial Dead Sea and their North Atlantic connection. *Quaternary Science Review* 29, p. 567-575.
- Torfstein A., Hasse-Schramm A., Waldmann N., Kolodny Y. and Stein M. (2009) U-series and oxygen isotope chronology of the mid-Pleistocene Lake Amora (Dead Sea basin). *Geochimica et Cosmochimica Acta* 73, p. 2603-2630.
- Torfstein A., Gavrieli I., Katz A., Kolodny Y. and Stein M. (2008) Gypsum as a monitor of the paleolimnological-hydrological conditions in Lake Lisan and the Dead Sea. *Geochimica et Cosmochimica Acta* 72, p. 2491-2509.
- Torfstein A. (2008) Brine – freshwater interplay and effects on the evolution of saline lakes: The Dead Sea Rift terminal lakes, Geological Survey of Israel report GSI/20/2008.
- Torfstein A., Gavrieli I. and Stein M. (2005) The sources and evolution of sulfur in the hypersaline Lake Lisan (paleo-Dead Sea). *Earth and Planetary Science Letters* 236, p. 61-77.

BOOK CHAPTERS:

- Torfstein A. (in press) The Amora Formation, Dead Sea Basin, in: Enzel and Bar-Yosef eds., *Quaternary Environments, Climate Change and Humans in the Levant*, Cambridge University Press.
- Torfstein A. and Enzel Y. (in press) Dead Sea lake level changes and Levant paleoclimate, in: Enzel and Bar-Yosef eds., *Quaternary Environments, Climate Change and Humans in the Levant*, Cambridge University Press.
- Stein M., Lazar B., Torfstein A. and Goldstein S.L. (in press) Chronologies of the late Quaternary coral reefs and lake sediments from the Red Sea and Dead Sea Rift Valley, in: Enzel and Bar-Yosef eds., *Quaternary Environments, Climate Change and Humans in the Levant*, Cambridge University Press.

Erel Y., Goldstein S.L., Torfstein A., Palchan D., Ben-Israel M. and Stein M. (in press) Isotopic tracers of dust and loess in the Levant, in: Enzel and Bar-Yosef eds., *Quaternary Environments, Climate Change and Humans in the Levant*, Cambridge University Press.

POPULAR SCIENCE:

Torfstein A. (2012) The history of the ancient Dead Sea lakes, *Melakh Haaretz*, special series dedicated to Dead Sea studies (In Hebrew).

Torfstein A. (2007) Lakes of the Dead Sea Rift: The history books of nature (part II), *Teva Hadvarim*, p. 100-101 (In Hebrew).