

CURRICULUM VITAE

• Personal Details

Name: Ofra Klein-BenDavid

Date and place of birth: *Jerusalem, 16.07.1973*

Address and telephone number at work: Department of applied chemistry, NRCN,
P.O. Box 9001, Beer-Sheva 84190, Israel, 08-6568734

Address and telephone number at home: Simtat Hashual 1320, Yeruham, Israel,
8050731, 050-6238912

• Education

2000-2006: Ph.D. in Geology at the Hebrew University, Jerusalem.

Advisor: Prof. O. Navon.

Thesis: "Diamonds microinclusions – their composition and implications for the mantle environment".

1997-1999: M.Sc. in Geology, the Hebrew University, Jerusalem, Israel.

Advisors: Prof. A. Katz. and Prof. H. Gvirzman.

Thesis: "Geochemistry and geohydrology of saline springs along Lake Kinneret west shore".

1993-1996: B.Sc. in Geology, the Hebrew University, Jerusalem, Israel.

• Employment History

2018 - present: Head of waste R&D unit, Applied chemistry department, NRCN, Israel.

2016-2017: Visiting scholar, Civil and Environmental Engineering, Vanderbilt school of engineering, Vanderbilt university, Nashville, TN, USA.

2015 - present: Adjunct Senior lecturer at the Geological & Environmental Science department, BGU.

2009 - present: Researcher in the applied chemistry department, NRCN, Israel.

2008 - 2009: Post-doctoral research fellow in the Hebrew university of Jerusalem.

2008 - 2009: Lecturer at Lifshiz College, Jerusalem.

2006 - 2008: "Marie Curie" post-doctoral research fellow in the Durham University, Durham, UK.

2004 - 2005: Lecturer at Lifshiz College, Jerusalem.

2000 - 2004: Teaching Assistant, Institute of Earth Sciences, The Hebrew University of Jerusalem, Israel.

2001-2002: Teaching Assistant, Dept. of Geography, Bar-Ilan University, Ramat-Gan, Israel.

1999-2000: Geologist in "Amir Edelman - Geologist" firm, Jerusalem, Israel.

1998-1999: Research assistant, Dept. of Geography, The Hebrew University of Jerusalem, Israel.

1998-1999: Science teacher in "Geu'lim" and "Bet-Hakerm" elementary schools in Jerusalem.

1997-1999: Teaching assistant, Institute of Earth Sciences, The Hebrew University of Jerusalem, Israel.

1996: Science teacher in "Messada" elementary schools in Jerusalem.

1994-1997: Research assistant, Institute of Earth Sciences, The Hebrew University, Jerusalem, Israel.

1993-1996: Youth Seminar guide in "GESHER" educational affiliates.

• Professional Activities

a. 2009: Member of the geological society of Israel managing committee

b. Ad – Hoc reviewer in the following Journals:

American Mineralogist

Earth and Planetary Science Letters

Geochimica et Cosmochimica Acta

Lithos

Chemical Geology

Crystals

Nuclear Engineering and Radiation Science

Contribution to mineralogy and petrology

Minerals

c. Membership in professional societies

2000- present: Israel geological society (most years)

2007, 2008, 2011, 2016, 2018, 2019 - Geochemical Society

• Educational activities

(a) Courses taught

Lecturer

Introduction to geochemistry, Geological & Environmental Science department, BGU, Israel.

Magmatic and metamorphic petrology, Geological & Environmental Science department, BGU, Israel.

Introduction to geology, B.ed, Lifshiz College, Jerusalem, Israel.

Ore deposits energy and the environment, B.ed, Lifshiz College, Jerusalem, Israel.

Frontal tutor:

Minerals rocks maps and cross sections, The Hebrew University, Jerusalem, Israel.

Geological excursion in the Negev, The Hebrew University, Jerusalem, Israel.

Introduction to geology for geography students, The Hebrew University, Jerusalem, Israel.

Introduction to Earth Sciences, Bar Ilan University, Ramat-Gan, Israel.

Earth materials, The Hebrew University, Jerusalem, Israel.

Introduction to geology for environmental studies students, The Hebrew University, Jerusalem, Israel.

Ground water geochemistry, The Hebrew University, Jerusalem, Israel.

Ramon field workshop and Kinneret field workshop, The Hebrew University, Jerusalem, Israel.

(b) Research studentsM.Sc

2018-present: Co-supervision of an M.Sc thesis by Yonatan Harnik at the department of Chemistry, at BGU, With Prof Ira Weinstock and Dr. Gavriela Bar Nes. Project title: Immobilization of Cs in Nitrate bearing Alumino-Silicates.

2016-2018: Co-supervision of an M.Sc thesis by Matan Shiner at the department of Geological & Environmental Science, at BGU, With Prof Alva Pleded and Dr. Gavriela Bar Nes. Project title: Radionuclide retention in ordinary Portland cement and model compounds in the context of nuclear waste disposal.

2014-2016: Co-supervision of an M.Sc thesis by Emily Tran at the department of hydrology at the Jacob Blaustein Institutes for Desert Research, at BGU, With Prof Noam Weisbrod and Dr. Nadya Teutsch. Project title: Lanthanide bearing colloid migration in fractured chalk media.

PhD

2019-present: Co-supervision of an M.Sc thesis **by Rebecca Willson Levy** at the department of Geological & Environmental Science, at BGU, With Prof Alva Pleded and Dr. Gavriela Bar Nes. Project title: Waste to Resource – Development of Environmentally-friendly, Sustainable Building Materials from Industrial Waste.

2018-present: Co-supervision of an PhD thesis **by Matan Shiner** at the department of Geological & Environmental Science, at BGU, With Prof Alva Pleded and Dr. Gavriela Bar Nes. Project title: Radionuclide retention in carbonated ordinary Portland cement and model compounds in the context of nuclear waste disposal.

2016-present: Co-supervision of an PhD thesis **by Emily Tran** at the department of hydrology at the Jacob Blaustein Institutes foDr Desert Research, at BGU, With Prof Noam Weisbrod and Dr. Nadya Teutsch. Project title: contaminant bearing colloid migration in fractured chalk media, lab and field scale study.

Engineering research project

2011: Co-supervision of chemical engineering research project of Mrs. **Yael Peled**, The Department of Chemical Engineering, Sami Shamoon College of engineering, with Dr. Gabi Bar Nes and Dr. Dorit Tavor. Project title: pyrolysis and gasification of polyethylene.

• **Awards, Citations, Honors, Fellowships**

(a) Honors, Citation Awards

2008: Most cited paper 2003-2007 award, Lithos, Elsevier

2002-2005: The Hebrew university excellent student scholarship.

2004: The Dicker-Sheraga Award, Institute of Earth Sciences, The Hebrew University of Jerusalem.

1997: The Ben Harry and Margaret award, Institute of Earth Sciences, The Hebrew University of Jerusalem.

(b) Fellowships

2016: Excellence sabbatical Pazi scholarship – 35,000\$

2010: Katzir fellowship for excellence in scientific research in governmental institutes – 200,000 Shekel, Excellence in the national security R&D.

2006: Marie Curie Intra-European Post-doctoral Fellowships – 102,000 €

2006: Minerva Post-doctoral Fellowships (granted and not used)

2004: AGU student travel grant

2004: The Hebrew university student travel grant

2004: Minerva short term travel grant

2003: The 8th international kimberlite conference travel grant