

Part I: CURRICULUM VITAE

1. Personal

Department of Soil Chemistry, Plant Nutrition and Microbiology

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Dates	Description
1978	Born in Israel.

2. University Education and Additional Training

Dates	Description
2002 – 2005	B.Sc. in Geology at Ben-Gurion University of the Negev.
2005 – 2007	M.Sc. in Desert Studies (major in Hydrology) at Albert Katz International School for Desert Studies, The Jacob Blaustein Institute for Desert Research, Ben-Gurion University of the Negev, Sede-Boqer Campus, Israel. Title of thesis: Air flow patterns and quantification in rock fractures. Supervision by: Prof. Noam Weisbrod.
2007 – 2011	Ph.D. in Hydrology at Albert Katz International School for Desert Studies, The Jacob Blaustein Institute for Desert Research, Ben-Gurion University of the Negev, Sede-Boqer Campus, Israel. Title of thesis: Combined effect of heterogeneity and salt precipitation on evaporation rates from porous media. Supervision by: Prof. Noam Weisbrod.
2011 – 2013	Postdoctoral position at Global Institute for Water Security, University of Saskatchewan, Canada. with Dr. Andrew Ireson and Prof. Howard Wheater. Research subject: Hydro-geo-chemical processes in the Canadian Prairies.
6/2014 – 8/2014	Postdoctoral position at The Jacob Blaustein Institute for Desert Research, Ben-Gurion University of the Negev, Sede-Boqer Campus, Israel. With Prof. Noam Weisbrod. Research subject: Quantifying salt transport processes in heterogeneous porous media.

3. Positions Held and Academic Status

Dates	Description
2004-2005	Research Assistant at the department of Hydrology and Microbiology, The Jacob Blaustein Institute for Desert Research, Ben-Gurion University of the Negev, Sede-Boqer Campus, Israel.
2014-present	Research Scientist at the ARO, The Volcani Center, Institute of Soil, Water and Environmental Sciences

4. Active Participation in Meetings

A. International:

Date	Title of the Meeting	Place	Role
2007	A.G.U. fall meeting	S.F., California	Poster
2008	G.S.A. annual meeting	Houston, Texas	Poster
2009	International conference on preferential and unstable flow in porous media	Ascona, Switzerland	Presentation
2010	A.G.U. fall meeting	S.F., California	Poster
2012	C.G.U. annual meeting	Banff, Canada	Presentation
2012	I.A.H. annual meeting	Niagara Falls, Canada	Presentation
2013	G.S.A. annual meeting	Denver, Colorado	Poster
2013	C.G.U. annual meeting	Saskatoon, Canada	Presentation
2013	GeoMontreal	Montreal, Canada	Presentation
Since previous promotion			
2014	G.S.A. annual meeting	Vancouver, Canada	Poster

B. National:

Date	Title of the Meeting	Role
2007	The Annual Meeting of the Israeli Geological Society	Presentation
2008	The Annual Meeting of the Israeli Geological Society	Presentation
2009	The Annual Meeting of the Israeli Soil Science Society	Presentation
2010	Kaplan Workshop	Poster
2010	The Annual Meeting of the Israeli Soil Science Society	Poster
2010	The Annual Meeting of the Israeli Geological Society	Presentation
2011	The Annual Meeting of the Israeli Hydrological Society	Presentation
2011	The Annual Meeting of the Israeli Geological Society	Presentation
2014	The Annual Meeting of the Israeli Soil Science Society	Presentation

5. Awards

Dates	Description
2012	Ph.D. Summa Cum Laude.

Part II: LIST OF PUBLICATIONS

Marks:

S Student or post-doc under my supervision

* Equal contribution

1. Articles in Reviewed Journals

1. **Nachshon, U.**, Weisbrod, N., Dragila M. (2008).
Quantification of convection through fractures - Laboratory study.
Vadose Zone Journal 7 (4): 948-956. IF – 2.412; Category: Soil Science; Rank 7/34.
2. Weisbrod, N., Dragila, M., **Nachshon, U.** and Pillersdorf, M. (2009).
Falling through the cracks: the role of fractures in earth-atmosphere gas exchange.
Geophysical Research Letters 36 (2). IF – 3.982; Category: Geosciences; Rank 11/172.
3. **Nachshon, U.**, Weisbrod, N., Dragila, M.I., and Grader, A., C. (2011).
Combined evaporation and salt precipitation in homogeneous and heterogeneous porous media.
Water Resour. Res., 47, W03513. IF – 3.149; Category: Water Resources; Rank 3/80.
<http://onlinelibrary.wiley.com/doi/10.1029/2010WR009677/abstract>
4. **Nachshon, U.**, Shahraeeni, E., Or, D., Dragila, M. and Weisbrod, N. (2011).
Infrared thermography of evaporative fluxes and dynamics of salt deposition on heterogeneous porous surfaces.
Water Resour. Res., 47, W12519. IF – 3.149; Category: Water Resources; Rank 3/80.
5. **Nachshon, U.**, Dragila, M. I. and Weisbrod, N. (2012).
From atmospheric winds to fracture ventilation: Cause and effect.
J. Geophys. Res., 117, G02016. IF – 3.021; Category: Geosciences; Rank 21/170.
<http://onlinelibrary.wiley.com/doi/10.1029/2011JG001898/abstract>
6. Ireson, A. M., van der Kamp, G., Ferguson, G., **Nachshon, U.** and Wheeler, H. (2012).
Hydrogeological processes in seasonally frozen northern latitudes: understanding, gaps and challenges.
Hydrogeology Journal, 21 (1): 53-66. IF – 1.675; Category: Water Science; Rank 12/118.
7. **Nachshon, U.**, Ireson, A., van der Kamp, G. and Wheeler, H. (2013).
Subsurface salt dynamics in the Glacial Till portions of the North American Prairies.
Journal of Hydrology, 499, 188–199. IF – 3.654; Category: Water Resources; Rank 4/80.
8. **Nachshon, U.**, Ireson, A., van der Kamp, G., Davies, S. R. and Wheeler H. (2014).
Impacts of climate variability on wetland salinization in the North American prairies.
Hydrol. Earth Syst. Sci., 18, 1251-1263. IF – 3.587; Category: Water Resources; Rank 5/80.
<http://www.hydrol-earth-syst-sci.net/18/1251/2014/hess-18-1251-2014.pdf>

Since previous promotion

9. **Nachshon, U.** and Weisbrod N. (2015).
Beyond the salt crust: on combined evaporation and subflorescent salt precipitation in porous media.
Transport Porous Med., under review.

2. Book Chapters

1. Weisbrod, N., Dragila, M., **Nachshon, U.** and Pillersdorf, M. (2009).
The role of cavities in earth-atmosphere interactions.
In: From Head Water to the Ocean: Hydrological Changes and Watershed Management. (Taniguchi, M., Burnett W.C., Fukushima, Y., Haigh, M. and Y. Umezawa, Eds), Tayler & Francis Group, London, UK.
2. **Nachshon, U.**, N., Weisbrod, Dragila, N. and Ganot, Y. (2011).
The importance of advective fluxes to gas transport across the Earth-atmosphere interface: The role of thermal convection.
In: Global Warming / Book 1. (Elias Carayannis Ed.).

3. Articles in Symposia Proceedings (including Acta Horticulturae)

1. Ireson, A. M., van der Kamp, G., **Nachshon, U.** and Butler, A. P. (2013).
Modeling groundwater-soil-plant-atmosphere exchanges in fractured porous media.
Procedia Environmental Sciences, 19, 321-330.
2. Weisbrod, N., **Nachshon, U.**, Dragila, M., and Grader, A. (2014).
Micro-CT Analysis to Explore Salt Precipitation Impact on Porous Media Permeability.
Transport and Reactivity of Solutions in Confined Hydrosystems. Springer Netherlands.

*ארבל עומד להיות הסטודנט הראשון שלי, לכן אין לי רשימת סטודנטים נוספים בעבר או בהווה.