

Guy Ben-Dor

Postdoctoral Research Associate

University of Arizona

guybendor@arizona.edu

A. PROFESSIONAL PREPARATION

Ben-Gurion University of the Negev, Earth and Environmental Sciences, Ph.D., (2026 (Expected))

Tel-Aviv University, Geophysics, M.Sc., (2018, Magna Cum Laude)

Ben-Gurion University of the Negev, Earth and Environmental Sciences, B.Sc., (2015)

B. APPOINTMENTS

2025 – 2026	Postdoctoral Research Fellow, The Geological Survey of Israel, Israel
2020 – 2025	Ph.D. candidate, Ben-Gurion University of the Negev, Israel
2020 – 2025	Teaching Assistant, Ben-Gurion University of the Negev, Israel
2018 – 2019	Research Assistant & Field Technician, Seismological Division, GII, Israel
2015 – 2018	M.Sc. student, Tel-Aviv University, Israel
2015 – 2018	Teaching Assistant, Tel-Aviv University, Israel

C. PUBLICATIONS

Peer-reviewed journal articles

- Ben-Dor, G., Kurzon, I., Aizenshtat-Soffer, E., Wetzler, N., Weinberger, R., Tape, C., & Tsesarsky, M. (2025). Structure and seismicity of the Dead Sea Fault and the Galilee revealed by 3D earthquake tomography, *Journal of Geophysical Research: Solid Earth*.
doi.org/10.1029/2024JB030816.
- Ben-Dor, G., Kurzon, I., Weinberger, R., & Tsesarsky, M. (2024). Seismic anisotropy and stress-field variations along the Dead Sea Fault zone in northern Israel, *Tectonophysics*, 872, 230199.
<https://doi.org/10.1016/j.tecto.2024.230199>.

Accepted manuscripts

- Ben-Dor, G., Kurzon, I., Tape, C., & Tsesarsky, M. (accepted). Evaluation of a 3D crustal velocity model for northern Israel using numeric wavefield simulations, *Bull. Seismol. Soc. Am.*

Manuscripts under review

- Aizenshtat-Soffer, E., Ben-Dor, G., Kurzon, I., Agnon, A., Koulakov, I., Polozov, A., & Wetzler, N. (under review). 3D basin architecture along a continental transform – An example from the Dead Sea Fault, Target: *JGR: Solid Earth*

D. PRESENTATIONS, POSTERS

Presentations

- GSI seminar talk (Israel, 2025) – The structural and mechanical properties of northern Israel's crust – New insights from seismic tomography, seismic anisotropy, and numerical simulations

- IGS Annual Meeting (Israel, 2025) – The structure and seismicity of the Dead Sea Fault and the Galilee revealed by 3D earthquake tomography
- ESC General Assembly (Corfu, 2024) - Seismic anisotropy and stress-field variations along the Dead Sea Fault zone in northern Israel
- SSA Annual Meeting (Anchorage, 2024) - Seismic anisotropy and stress-field variations along the Dead Sea Fault zone in northern Israel
- Earthquake and Seismology Annual symposium in memory of Dr. Hillel Wust-Bloch (Israel, 2023) – Seismic anisotropy and stress-field variations along the Dead Sea Fault zone in northern Israel
- IGS Annual Meeting (Israel, 2022) – Systematic variations in shear wave splitting measurements near the Lebanese Restraining Bend

Posters

- IGS Annual Meeting (Israel, 2025) – Validation of a 3D crustal velocity model for northern Israel using numeric wavefield simulations
- IGS Annual Meeting (Israel, 2021) – Local shear-wave splitting due to crustal seismic anisotropy in northern Israel

E. EXAMPLES OF SERVICE

2022 – 2023	Member of the IGS committee
2021	Led a “Python for Science” workshop during the IGS Annual Meeting, 2021