



האוניברסיטה העברית בירושלים  
THE HEBREW UNIVERSITY OF JERUSALEM

## PhD position in climate change ecology at the Hebrew University of Jerusalem

The Dryland Tree and Ecosystem Ecology Lab at the Hebrew University of Jerusalem has an opening for an outstanding and highly motivated PhD student in climate change ecology. The successful candidate will conduct research on **dryland mechanisms of ecosystem functioning in drier and warmer climate**. The project takes up the ideas and principles outlined in a recent perspective in Nature Ecology & Evolution (doi: 10.1038/s41559-022-01779-y, online view <https://rdcu.be/cSmAD>) on the importance of dryland mechanisms for understanding climate change impacts in wetter biomes.

### Project background and description:

The project aims to assess thresholds of the activation of dryland mechanisms and their contribution to a series of ecosystem functions, such as plant growth, organic matter decomposition, carbon sequestration and nutrient cycling. These objectives will be achieved by a combination of field and lab experiments and analyses of online datasets. The candidate will join an established research group focusing on dryland and climate change ecology, and she/he will collaborate with partner labs in Europe. The successful candidate will gain experience in field measurements related to ecophysiology, ecosystem ecology, biogeochemistry, and various data processing technologies, such as online data surveys and advanced statistical analyses.

### Candidate profile:

Interested applicants for this PhD position should have (i) a Master's degree in a related science field (e.g., ecology, physical geography, environmental science, or similar); (ii) high proficiency in English and excellent communications skill; (iii) a strong aptitude for scientific writing; (iv) ability to independent scientific work and time management skills; (v) experience in programming languages (e.g., R, Python, MATLAB).

### Conditions and starting date:

The successful candidate will receive a scholarship fully covering living expenses in Israel. Starting date is targeted for 1 November 2022 and no later than 1 January 2023.

### Application:

Applicants should send a cover letter outlining experience and specific interests related to the study in climate change ecology, a curriculum vitae, degree and transcripts of their academic record, contact information for two academic references, and past research publications (if available).

Applications should be sent to Prof. José Grünzweig ([Jose.Gruenzweig@mail.huji.ac.il](mailto:Jose.Gruenzweig@mail.huji.ac.il)).

Additional information on the lab and its activities can be found on the lab website <https://gruenzweiglab.huji.ac.il/>

The Hebrew University of Jerusalem is Israel's premier university as well as its leading research institution. The Hebrew University is ranked internationally among the 100 leading universities in the world and first among universities in Israel.