

Erez Feuer

Curriculum Vitae | Updated: September 9, 2026

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Education

The New School for Jazz and Contemporary Music, New York, NY, USA, **BFA** in Jazz Performance. May 2017

- GPA: 3.96/4.0 (*cum laude [with honors]*).

The Hebrew University of Jerusalem, Israel, **B.Sc.Agr.** in Plant Sciences, Amirim Honors Program. August 2020

- Final grade: 97.05/100 (*summa cum laude [behitztaynut yetera]*).

The Hebrew University of Jerusalem, Israel, **M.Sc.Agr.** in Plant Sciences. September 2022

- Final grade: 97.7/100 (*summa cum laude [behitztaynut yetera]*).
- Supervisor: Prof. Assaf Mosquna.

The Hebrew University of Jerusalem, Israel, **Ph.D.**, Institute of Environmental Science. October 2022–Present

- Supervisor: Dr. Yair Mau.
- Thesis: Tree growth, resilience, and survival under a changing climate.

Publications

Preprints and Manuscripts

1. **Feuer, E.**, Klesse, S., Amir, G., Peleg, N., and Mau, Y. (2026). "Losses outlast gains in Northern Hemisphere tree growth under climate change." *Manuscript submitted for publication; preprint submitted to bioRxiv*.

First-Author Peer-Reviewed Publications

1. **Feuer, E.**, Preisler, Y., Rotenberg, E., Yakir, D., and Mau, Y. (2025). "Tree Growth, Contraction and Recovery: Disentangling Soil and Atmospheric Drought Effects." *Plant, Cell & Environment*. doi: [10.1111/pce.15604](https://doi.org/10.1111/pce.15604).
2. **Feuer, E.**, Zimran, G., Shpilman, M., and Mosquna, A. (2022). "A Modified Yeast Two-Hybrid Platform Enables Dynamic Control of Expression Intensities to Unmask Properties of Protein–Protein Interactions." *ACS Synthetic Biology* 11(8): 2589–2598. doi: [10.1021/acssynbio.2c00192](https://doi.org/10.1021/acssynbio.2c00192).

Other Peer-Reviewed Publications

1. Zimran, G., Shpilman, M., Hobson, E., Kamisugi, Y., Baichman-Kass, A., Zhang, H., Ruiz-Partida, R., González-Bermúdez, M.R., Azar, M., **Feuer, E.**, et al. (2025). "Absciscic acid receptors functionally converge across 500 million years of land plant evolution." *Current Biology* 35(4): 818–830.e4. doi: [10.1016/j.cub.2024.12.043](https://doi.org/10.1016/j.cub.2024.12.043).
2. Mantova, M., Johnson, D.M., Antebi, J., Beery, S., Blumstein, M., Cohen, R., Defavari, F., Feng, X., **Feuer, E.**, et al. (2024). "Monitoring urban trees across the world. Report from the Urban Trees Ecophysiology Network (UTEN) inaugural workshop." *New Phytologist*. doi: [10.1111/nph.19621](https://doi.org/10.1111/nph.19621).
3. Zimran, G., **Feuer, E.**, Pri-Tal, O., Shpilman, M., and Mosquna, A. (2022). "Directed Evolution of Herbicide Biosensors in a Fluorescence-Activated Cell-Sorting-Compatible Yeast Two-Hybrid Platform." *ACS Synthetic Biology* 11(8): 2880–2888. doi: [10.1021/acssynbio.2c00297](https://doi.org/10.1021/acssynbio.2c00297).

Fellowships and Awards

- 2024–Present: **Council for Higher Education (VATAT) Fellowship for Outstanding PhD Students in Agriculture, Food and Biodiversity** — competitive national fellowship; NIS 120,000 per year for three years (NIS 360,000 total).
- 2023–2024: **Ministry of Environmental Protection Fellowship for Outstanding PhD Students** — competitive national fellowship; four-year award of NIS 32,500 per year (NIS 130,000 total value). Relinquished upon receipt of the VATAT fellowship due to restrictions on concurrent government funding.
- 2020–2022: **Excelling Master's Student Scholarship** — The Hebrew University of Jerusalem; NIS 6,000 per month for two years (NIS 144,000 total).
- 2018–2020: **Amirim Merit Scholarship** — The Hebrew University of Jerusalem; full tuition for two years.
- 2015: **Full-Tuition Merit Scholarship** — The New School for Jazz and Contemporary Music; approximately \$85,000 over two years.
- 2025: Miriam Waldman Memorial Award for Outstanding Doctoral Students — NIS 9,500.
- 2020: Dean's List — The Hebrew University of Jerusalem.
- 2018: Dean's Prize — The Hebrew University of Jerusalem.

Research and Travel Grants

- 2025: \$3,000 Research Grant — Center for Environmental Sciences and Natural Resources in Agriculture; awarded for an independent, interdisciplinary student-led research project.
- 2024, 2025: Travel Grants — Institute of Environmental Science; \$2,000 each.

Teaching Experience

- 2020–Present: **Lecturer**, Faculty of Agriculture, The Hebrew University of Jerusalem; **Agrotech Lab** (third-year undergraduate).
- 2023–Present: **Teaching Assistant**, Faculty of Agriculture, The Hebrew University of Jerusalem; **Time Series Analysis for Environmental Sciences** (graduate).
- 2022–Present: **Teaching Assistant**, Faculty of Agriculture, The Hebrew University of Jerusalem; **Introduction to Data Science** (third-year undergraduate).
- 2022–2023: **Teaching Assistant**, Faculty of Agriculture, The Hebrew University of Jerusalem; **Soil Fertility and Fertilizer Use** (third-year undergraduate).
- 2020–2022: **Teaching Assistant**, Faculty of Agriculture, The Hebrew University of Jerusalem; **Molecular Genetics** (third-year undergraduate and graduate).
- 2020–2022: **Teaching Assistant**, Faculty of Agriculture, The Hebrew University of Jerusalem; **Cell Biology** (first-year undergraduate).

Conference Presentations and Invited Talks

- 2026: **Talk**, 5th Students' Conference, Faculty of Agriculture, The Hebrew University of Jerusalem.
- 2025: **Poster**, AGU Fall Meeting, New Orleans, LA, USA.
- 2025: **Talk**, Annual Conference for Science and the Environment, Tel Aviv University.
- 2025: **Talk**, EGU General Assembly, Vienna, Austria.
- 2025: **Talk**, 14th Students' Conference for Earth and Planetary Sciences, Weizmann Institute of Science.
- 2025: **Talk**, 4th Students' Conference, Faculty of Agriculture, The Hebrew University of Jerusalem.
- 2024: **Talk**, AGU Fall Meeting, Washington, DC, USA.
- 2024: **Poster**, Gordon Research Conference, Multiscale Plant Vascular Biology, ME, USA.
- 2024: **Talk**, Gordon Research Seminar, Plant Stress from Cells to Ecosystems, ME, USA.
- 2023: **Invited speaker**, inaugural Urban Trees Ecophysiology Network (UTEN) workshop, University of Georgia, Athens, GA, USA.

Professional and Research Activities

- 2023–Present: Director of Technology and IoT Systems Development, Urban Trees Ecophysiology Network ([UTEN](#)).

Selected Media

- 2022: Press coverage in *Ynet*, a major Israeli news outlet — [ynet.co.il/environment-science/article/bkhlgjk49](https://www.ynet.co.il/environment-science/article/bkhlgjk49).