Hatzav Yoffe

Curriculum vitae

Personal details

Full Name: Hatzav Yoffe (He/Him)
Hatzav.y@technion.ac.il
ORCID 0000-0003-0262-3052

Academic degrees

2022
PhD in Landscape Architecture
Department of Landscape Architecture.
Faculty of Architecture and Town Planning
Technion - Israel Institute of Technology
Haifa, Israel
Supervisors: Assoc. Prof. Yasha J. Grobman, Assoc. Prof. Pnina Plaut

2013
MLA, Master of Landscape Architecture
Department of Landscape Architecture
Harvard University Graduate School of Design
Cambridge, Massachusetts. USA

2010
BLA, Bachelor of Landscape Architecture (Cum Laude, ranked first in class)
Faculty of Architecture and Town Planning
Technion - Israel Institute of Technology
Haifa, Israel

Academic appointments

2026 - Present
Assistant Professor
Department of Landscape Architecture
Faculty of Architecture and Town Planning.
Technion - Israel Institute of Technology

2024-2025
André Hoffmann Postdoctoral Fellow for Buildings and Climate Change
Porter School of Environmental Studies at Tel Aviv University
Tel Aviv University / World Economic Forum

2022-2023
Postdoctoral Fellow
Department of Civil and Mineral Engineering at the Faculty of Applied Science and Engineering
University of Toronto

2016-2022
Adjunct Lecturer
Department of Landscape Architecture
Faculty of Architecture and Town Planning
Technion - Israel Institute of Technology

2013-2014
Research Associate
Zofnass Program for Sustainable Infrastructure
Harvard University Graduate School of Design

Professional experience

Professional practice and significant projects

2017-2025

- Sustainable Landscapes Clinic Founder, Principal Landscape Architect
- Sustainability evaluation guidelines for stream restoration. AGMA. Principal landscape architect (2023-2025)
- Sustainable Landscapes Israel, Sustainability guidelines for landscape development. ISALA/Ministry of Housing. Co-leader with Tamar Darel-Fossfeld. Head of R&D. (2017-ongoing)
- Carmeli Brigade Memorial Renewal. Zevulun Regional Council. Principal landscape architect. 2021
- Kibbutz Ramat Yohanan Zoning Plan. Kibbutz Ramat Yohanan. Principal landscape architect. Team lead: Itzhak Freund. 2020
- Agricultural Machinery Open Museum Garden. Ramat Yohanan. Principal landscape architect. 2019

2014-2017

- Nachalat Haclal Principal Landscape Architect
- Dier El Asssad-Beinne-Madjed Al-Krum. Municipal Masterplan (Northern Planning District. Principal landscape architect. Team lead: Lerman Architects and Town Planners. 2017
- Bio-lodges Design, Batey Sefer Sade. (The Society for the Protection of Nature in Israel). Sustainable landscape design integration specialist. Team lead in office: Tali Wexler. With Arch Yossi Kori. 2017
- Chevel-Modiin Regional Council Municipal Masterplan. Chevel Modiin Regional Council. Principal landscape architect. Team lead: FSJ Architects. 2016-2017
- Issawia Municipal Masterplan. Jerusalem Muni. Principal landscape architect. Team lead: Ari Cohen Architects and Planners. 2016-2017
- Mevaseret Zion Municipal Masterplan. Jerusalem Planning District. Principal landscape architect. Team lead: Lerman Architects and Town Planners. 2014-2016
- Haifa International Airport Runway Extension Plan. Israel Airports Authority. Principle landscape architect. Team lead: Farhi-Tzfrir Architects. 2015-2017
- Achziv Neighbourhood. Detailed Design, Nahariya. Electra Construction. Sustainable landscape design integration specialist. Team lead in office: Bar Wolkowitz Amir. 2015-2017
- Agamon Hachula Visitor Center Gardens Jewish National Fund. Sustainable landscape design integration specialist. Team lead in office: Bar Wolkowitz Amir. 2015-2017
- Tel Aviv Coastal Park Competition. Phases I & II. Tel Aviv Muni. Co-leader landscape architect with Tali Wexler, In collaboration with Prof. Assaf Schwartz, Dr. Daniel Metclafe, Eng. Yoni Goren. 2016
- Heritage and Memorial Center Israeli Air Defense Command. Israeli Air Force. Co-leader landscape architect with Tali Wexler. In collaboration with Kimmel Eshkolot Architects & WAWA. 2016
- Ganey Azar Neighborhood Masterplan. National Committee for Preferred Housing Complexes (Vatmal). Lead landscape architect. Team lead: Lerman Architects and Town Planners. 2014-2016
- Bat-Yam Municipal Masterplan. Tel Aviv Planning District. Lead landscape architect. Team lead Lerman Architects and Town Planners. 2014-2016
- Rd. 6 Highway, Segments 7 and 3. Ministry of Environmental Protection. Chief Landscape Auditor for the Ministry of Environmental Protection. 2014-2015.
- Ras Ali Flour Mill Restoration Plan. Zevulun Regional Council. Principal landscape architect. 2014

2009-2011

- Braudo-Maoz Landscape Architecture Landscape Architect. Junior Project Manager
- Ramat Beit Shemesh, Neighborhood Masterplan. Ministry of Housing. Landscape architect Junior project manager. Team Lead: Arie Rahamimof Architects. 2009-2011
- Udim Quarry Restoration and Poleg Masterplan. Sharon Watershed Stream Authority. Junior project manager. Team lead in office: Alisa Braudo. 2010-2011
- Zohar Valley Mining and Restoration Masterplan. The Dead Sea Preservation Government Company. Junior project manager. Team lead: Geoprospects. 2010-2011
- Jerusalem City Gates Masterplan. Jerusalem Muni. Junior project manager. Team lead: Farhi-Tzfrir Architects. 2011

Research interests

Landscape architecture, green infrastructure, sustainability assessment, climate adaptation, lifecycle assessment methodologies, low-carbon construction, computer-aided design

Teaching experience

2026

2050577 Urban Design Studio. Year II. (Undergraduate)
Department of Landscape Architecture. Faculty of Architecture and Town Planning. Technion

2021

204624 Tzipory Stream Re-envisioned Landscape Design Studio. (Undergraduate). Studio Leader.
Department of Landscape Architecture. Faculty of Architecture and Town Planning. Technion

2018-2020

204004 Introduction to Landscape Technology. (Undergraduate), Studio Leader in 2020, Lecturer
Department of Landscape Architecture. Faculty of Architecture and Town Planning. Technion.

2017-2018

205665 Introduction to Architecture Design Studio. (Undergraduate), Lecturer
Department of Landscape Architecture. Faculty of Architecture and Town Planning. Technion

2017

204625 LandBasics. Territorial Agriculture. Landscape Design Studio. (Undergraduate Thesis). Lecturer
Department of Landscape Architecture. Faculty of Architecture and Town Planning. Technion

2016

204624 Landscape Design Studio. (Undergraduate). Lecturer.
Department of Landscape Architecture. Faculty of Architecture and Town Planning. Technion

2014

Research project: ‘Zofnass Economic Process Tool’ (Graduate). Research Leader and Project Manager
Zofnass Program for Sustainable Infrastructure.
Harvard University Graduate School of Design

2013

Co-Leader for the ’IDB 360 Infrastructure Awards’ (Graduate)
Zofnass Program for Sustainable Infrastructure
Harvard University Graduate School of Design

2012

Teaching Assistant, STU 0140700 Spring Studio 2012 (Graduate)
Department of Landscape Architecture
Harvard University Graduate School of Design

Academic and professional service

2025 - Present
Board Member Elect.
Israeli Association of Landscape Architects (ISALA)

2026
Grant proposal reviewer – Ministry of Environmental Protection
Book Proposal Reviewer
Routledge

2025
Expert advisor.
Whole Building LCA. IS 5281 for green buildings. Review committee. Ministry of Environmental Protection.
Reviewer
Landscape Research Journal

2024
Biocity Challenge
Expert Advisory
Israel Innovation Authority

2023
Sustainability evaluation guidelines for stream restoration
Expert Advisory
AGMA. The Center for Watershed, Runoff Management and Stream Restoration

2023
Reviewer
Archnet–IJAR. International Journal of Architectural Research

2020-2021
Paper Submission Reviewer
International Conference of the Association for Computer-Aided Architectural Design Research in Asia.

2016 - 2020
Council Member Elect. Co-Delegate to the ILGBC
Israeli Association of Landscape Architects (ISALA)

Membership in professional societies

2023 - Present
International Society for Industrial Ecology (ISIE)

2009 – Present
Israeli Association of Landscape Architects (ISALA)

2016 - 2020
Council Member Elect. Co-Delegate to the ILGBC (ISALA)

Fellowships, awards and honors

Academic and research excellence

2024
André Hoffmann Fellowship for the Fourth Industrial Revolution
World Economic Forum

2023
Lyon Sachs Postdoctoral Fellowship
Faculty of Applied Science and Engineering
University of Toronto

2022
Rothschild Fellow 2022-2023
Yad Hanadiv

2020
Jacobs Scholarship for Academic Excellence.
Award for academic achievements in PhD studies
Technion Graduate School

2018
Guidelines of Sustainability Rating for Landscape Development in Israel
Research Grant
ISALA

Architecture awards and excellence

2016
Finalist. Tel-Aviv International Coastal Park Competition (Professional)
First Place. Heritage and Memorial Center Israeli Air Defense Command
In Collaboration with Kimmel Eshkolot Architects & WAWA - green building, construction and design. (Professional)

2013
Honor Award for Student Design: "Concord Landfill, A Parallel Walden."
ISALA Israeli Association of Landscape Architects

2010
The Hilit Levi Studio Award for Undergraduate Design Thesis: "Zevulun valley, a Working Landscape."
Technion – Israel Institute of Technology
Finalist. Student Award for project of the year
Israeli Domus Magazine

2009
The Moshe Karraso Studio Award for: "Time in the landscape, Back to the City of Sages."
Technion – Israel Institute of Technology
The Ilana Leibman Award for Outstanding Academic Achievements
Technion – Israel Institute of Technology

Publications

Refereed journal articles

Yoffe, H., Plaut, P., & Grobman, Y. J. Towards sustainability evaluation of urban landscapes using big data: a case study of Israel's architecture, engineering and construction industry. Landscape Research, 47(1), 49–67. (2022).

Yoffe, H., Raanan, N., Fried, S., Plaut, P., & Grobman, Y. J., Sustainable urban landscapes: a computation framework for enhancing sustainability in early-stage design. Archnet-IJAR: International Journal of Architectural Research, 18(4), 870-894 (2024).

Yoffe, H., Rankin, K., Bachmann, C., Posen, I D,. Saxe, S., "Mapping Construction Sector Greenhouse Gas Emissions: A Crucial Step in Sustainably Meeting Increasing Housing Demands," Environmental Research: Infrastructure and Sustainability 4(2). (2024).

Hebrew publications

יפה, ח). 2015. (איזון נופי ותפקודי בין תשתיות מלאכותיות לתשתיות טבעיות.
אקולוגיה וסביבה, 2, 127–137.

Chinese publications

Yoffe, H., "改良景观-基顺河流修复与土方填埋场改造项目, 以色列,Refining Landscapes - The Kishon Meander Stream Restoration and Landfill Project in Israel," Chinese Landscape Architecture (中国园林), 31(4), pp. 29–33. 中图分类号 TU 986. (2015)

Books

Darel-Fossfeld, T., Segal, L., & Yoffe, H., Sustainable Landscapes Israel (SLIL™): Rating Criteria for Landscape Development (First edition). The Israeli Association of Landscape Architects (2019).

Darel-Fossfeld, T., Friendlander, L. Fundaminski, S. & Yoffe, H., Sustainable Landscapes Israel (SLIL™): A rating system for landscape development. The Israeli Association of Landscape Architects & Ministry of Housing (2026).

Chapters in books

Wexler, T., Yoffe, H., Wolkowitz-Amir, B., Wiesel-Dominitz, D., Yaari, C., Shavit, U., & Katz, O. (2016). Live It. In Y. Eylat Van-Essen, B. Bauer, A. Blonder, & L. Noy (Eds.), LifeObject: Merging Biology & Architecture (pp. 71–75). Montreal, Quebec: Sternthal Books, Inc.

Other noteworthy activities and skills

2026 - Ongoing
SLIL.org.il. Online sustainability assessment platform

2017-ongoing
Sustainable Landscapes Israel (SLIL™).
Co-founder and co-leader of SLIL™ initiative. Israel's standard for sustainable design in landscape architecture. Significant contributions include Community workshops, lectures, case studies, scientific editing, and Publication of the Sustainable Guidelines for Landscape Development (ISALA).

2014
The Zofnass Economic Process Tool
Development of a web application for measuring external economic benefits of sustainable infrastructure design applied to the Envision™ rating system. Zofnass Program for Sustainable Infrastructure (online presence discontinued) Harvard University Graduate School of Design