



Yaron Ziv

Spatial Ecology Lab
Department of Life Sciences
Ben-Gurion University of the Negev

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CURRICULUM VITAE

• Education

- Ph.D.** 1998 University of Arizona, Ecology and Evolutionary Biology
Advisor: Prof. Michael Rosenzweig
Title: *Effects of environmental heterogeneity on species diversity: a new process-based, multi-species, landscape simulation model (SHALOM)*
- M.Sc.** 1991 Ben-Gurion University, Life Sciences (Ecology). (*Cum Laude*)
- B.Sc.** 1988 Tel-Aviv University, Biology

• Employment (Academic) History

- 2020 - present Professor, Dept. of Life Sciences, Ben-Gurion University, Israel
- 2020 - present Adjunct Faculty Member, School of Life Sciences, Arizona State University, USA
- 2013 Visiting Professor, Dept. of Ecosystem Science and Management, Texas A&M University, USA
- 2012 - 2020 Associate Professor, Dept. of Life Sciences, Ben-Gurion University, Israel
- 2004 - 2012 Senior Lecturer, Dept. of Life Sciences, Ben-Gurion University, Israel
- 1998 - 2004 Lecturer, Dept. of Life Sciences, Ben-Gurion University, Israel
- 1998 Research Assistant Professor, Dept. of Biology, University of New Mexico, USA
- 1998 Visiting Scientist, Santa-Fe Institute (Ecological Complexity), USA

• Professional Activities

(a) Positions in academic administration

- 2021 - present Head, School of Sustainability and Climate Change, BGU
- 2014 - present Co-Head, Graduate Program in Ecology
- 2014 - 2019 Chair, BGU's Green Council

(b) Professional functions outside universities/institutions

• National:

- 2014 - 2018 Member, Board of Directors, Israel Society of Ecology and Environmental Sciences
- 2013 - present Member, Board of Directors, Society for the Protection of Nature in Israel
- 2013 - 2016 Member, Steering Committee, Zoological Society of Israel
- 2000 - 2013 Adjunct member, Higher Professional Committee, Nature and Parks Authority
- 1999 - 2001 Member and conservation representative, Steering Committee, Zoological Society of Israel

• International:

- 2016 - present Delegate, European Platform for Biodiversity Research Strategy (EPBRS)
- 2010 - present Member, Man and Biosphere (MAB) Committee, Israel National Commission for UNESCO.

(c) Editor or member of editorial board of scientific or professional journal

- 2018 - present Subject (Coordinating) Editor, *Landscape Ecology*

2007 - present Subject Editor, *Israel Journal of Ecology and Evolution*

(d) Ad-hoc reviewer for journals and foundations

Journals:

American Naturalist, Behavioral Ecology, Catena, Diversity and Distributions, Ecography, Ecology, Ecology Letters, Global Ecology and Biogeography, Israel Journal of Ecology and Evolution, Journal of Arid Environments, Journal of Biogeography, Journal of Mammalogy, Landscape Ecology, Oikos, Palaeo, Science

Foundations:

BSF, GIF, ISF, ISF-China, National Geographic

Governmental offices:

Ministry of Agriculture, Ministry of Environmental Protection, Ministry of Science and Technology, Nature and Parks Authority

(e) Membership in professional / scientific societies

International Biogeography Society
 International Union for Landscape Ecology
 Society for Conservation Biology
 Society of Environmental Indicators
 Zoological Society of Israel
 American Society of Naturalists
 Ecological Society of America

• Educational / Teaching Activities

(a) Courses taught

International:

* ***Environmental Protection and Sustainability***[#] – An international Massive Open <https://vimeo.com/208005756>

On-line Course (edX platform). Developing and leading.

Fall 2017 – **1,758** Enrolled students; 41 Verified students; 134 Countries

Spring 2018 – **2,653** Enrolled students; 20 Verified students; 121 Countries

Fall 2018 – **4,258** Enrolled students, 79 Verified students; 156 Countries

Spring 2019 – **3,100** Enrolled students, 537 Verified; 155 Countries

Fall 2020 – **3,170** Enrolled students, 1,070 Verified; 146 Countries

Spring 2019 – **5,100** Enrolled students, 1,197 Verified; 153 Countries

Spring 2020 – **5,000** Enrolled students, 1,197 Verified; 153 Countries

Fall 2020 – **1,029** Enrolled students, 350 Verified; 92 Countries

Including BGU students

* Workshop - *Metapopulation dynamics: from theory to practical use:*

Graduate level (≈20 participants);

BioMove Research Training Group; University of Potsdam, Germany

April, 2017

Israel:

(1) Introductory Ecology:

Undergraduate level (departmental mandatory course; ≈140 students);

Ben-Gurion University, Department of Life Sciences;

Fall 2000, Spring 2001, Fall 2002, Fall 2003, Fall 2004, Fall 2005, Fall 2006,

Fall 2008, Fall 2009, Fall 2010, Fall 2011, Fall 2012, Fall 2014, Fall 2015

(2) Spatial Ecology:

Graduate level (≈15 students);

Ben-Gurion University, Department of Life Sciences;

Spring 1999, Spring 2000, Fall 2000, Spring 2002, Spring 2003, Spring 2004, Spring 2007, Spring 2009, Spring 2011, Spring 2014, Spring 2016, Spring 2018, Spring 2020

(3) Ecology Camp B:

Advanced undergraduate level;

Ben-Gurion University, Department of Life Sciences;

Spring 2000, Spring 2002, Spring 2003, Spring 2004, Spring 2005, Spring 2006, Spring 2007, Spring 2008, Spring 2011, Spring 2012, Spring 2014, Spring 2015, Spring 2016, Spring 2017, Spring 2018, Spring 2019, Spring 2020, Spring 2021

(4) Graduate-Student Seminar:

Graduate level;

Ben-Gurion University, Department of Life Sciences;

Fall 1998, Spring 1999, all semesters – 2015-2020

(5) Ecosystems and Conservation in Israel:

Advanced undergraduate level

Ben-Gurion University, Department of Life Sciences;

Spring 2012, Spring 2015

(6) Topics in Environmental Issues, Sustainability and Conservation (coordinator and lecturer):

A 'Green-Campus' leading course on diverse topics by different lecturers.

Ben-Gurion University, Department of Life sciences;

Spring 2016, Spring 2017

From Fall 2017 – in conjunction of the MOOC-**Environmental Protection and Sustainability** (above): Fall 2017 (351 BGU students); Spring 2018 (1,481 BGU students); Fall 2018 (1,092 BGU students); Spring 2019 (502 BGU students); Fall 2020 (1,030 BGU students); Spring 2020 (750 BGU students), Fall 2021 (310 BGU students)

(7) Selected Topics in Contemporary Ecology:

Rothschild-Wiezmänn program: Masters degree in Science Teaching for leading high-school biology teachers of the Israeli education system.

Weizmann Institute, Department of Science Teaching / Feinberg Campus;

Spring 2010, Spring 2012, Fall 2013

(8) Conservation Ecology:

Rothschild-Wiezmänn program: Masters degree in Science Teaching for leading high-school biology teachers of the Israeli education system.

Weizmann Institute, Department of Science Teaching / Feinberg Campus;

Spring 2016, Spring 2018

(b) Research students and Post-doctoral Fellows

Post-doctoral Fellows:

(1) 1998 - 1999 Dr. Selcuk Yurtsever

(2) 2008 - 2011 Dr. Itamar Giladi

(3) 2014 - 2016 Dr. Guy Rotem

(4) 2017 - 2020 Dr. Giorgi Kozhoridze

Doctorate Students:

(1) 2000 - 2008 Ido Filin, Ph.D. student (Combined track; Kreitman Fellowship).

(2) 2002 - 2008 Yoni Belmaker, Ph.D. student (Combined track; with Prof. Nadav Shashar; Kreitman Fellowship; Rothschild Fellow for year 2008-2009)

(3) 2005 - 2011 Gal Yaacobi, Ph.D. student (with Prof. Ofer Ovadia, BGU).

- (4) 2006 - 2014 Yoni Gavish, Ph.D. student (Combined track).
- (5) 2007 - 2014 Guy Rotem, Ph.D. student (with Prof. Amos Bouskila, BGU).
- (6) 2008 - 2014 Udi Columus, Ph.D. student (with Prof. Haim Tsoar, BGU).
- (7) 2008 - 2019 Yoav Avneon, Ph.D. student.
- (8) 2010 – present Itai Renan, Ph.D. Student (Tel-Aviv University; with Dr. Amnon Firedberg).
- (9) 2012 - 2019 Irith Aloni, Ph.D. student.
- (10) 2014 - 2021 Yonathan Guttel, Ph.D. student. (Incomplete)
- (11) 2016 - present Talia Gabay, Ph.D. student (Combined track; with Dr. Osnat Gillor).
- (12) 2017 - present Yaniv Shmuel, Ph.D. student (with Dr. Buki Rinkevich).
- (13) 2019 - present Lital Ozeri, Ph.D. student (with Prof. Ofer Ovadia).
- (14) 2020 - present Nathan Levi, Ph.D. student (with Prof. Arnon Karnieli and Dr. Tarin Paz-Kagan)
- (15) 2021 - present Klil Noy, Ph.D. student (with Prof. Arnon Karnieli)

Masters Students:

- (1) 1999 - 2003 Naomi Hill, M.Sc. student.
- (2) 2000 - 2003 Arnon Tsairi, M.Sc. student. (Incomplete.)
- (3) 2000 - 2004 Udi Sogavker, M.Sc. student.
- (4) 2002 - 2004 Gillie Pragai, M.Sc. student.
- (5) 2001 - 2004 Gal Yaacobi, M.Sc. student.
- (6) 2002 - 2005 Elad Topel, M.Sc. student (with Prof. Uri Shanas, Univ. of Haifa).
- (7) 2004 - 2007 Dafna Kaufman, M.Sc. student (with Dr. Gila Kachila Bar-Gal, The Hebrew University).
- (8) 2004 - 2008 Zeev Bin (Shachar), M.Sc. student (with Prof. Nadav Shashar).
- (9) 2006 - 2009 Yoav Bartan, M.Sc. student (with Prof. Ofer Ovadia).
- (10) 2009 - 2012 Anat Tzafrir, M.Sc. student.
- (11) 2014 - 2016 Amir Glick, M.Sc. student (with Dr. Eli Zaady, Agricultural Research Organization, Ministry of Agriculture).
- (12) 2014 - 2017 Kesem Kazes, M.Sc. student.
- (13) 2014 - 2019 Merav AShemsh, M.Sc. student.
- (14) 2016 - present Tomer Karni, M.Sc. student.
- (15) 2017 - 2020 Tom Zylberberg, M.Sc. student.
- (16) 2018 - present Naama Rahamim, M.Sc. student.
- (17) 2018 - present Matan Markfeld, M.Sc. student.
- (18) 2018 - present Etai Oshinski, M.Sc. student.
- (19) 2020 - present Segev Tamir, M.Sc. student.
- (20) 2020 - present Tamar Shabi, M.Sc. student (with Prof. Nadav Shashar).

• Research Grants (last 5 years)

- 2015-2019 Israel Chemicals Ltd (ICL).
Ziv, Y. “*Ecological restoration of the phosphorous mines*”; 4 years; ≈1,025,000 NIS (≈\$65,000 annually).
- 2016-2017 Nekudat Chen.
Ziv, Y. “*Wildlife-friendly agriculture at Southern Judea Lowlands: Combining current knowledge and forming a new multi-sectorial team for sustainable application*”; 1 year; 85,000 NIS.
- 2017-2020 NSF-IOS-BSF.
Ziv, Y. and Davidowitz; “*When physiology meets landscape ecology: Effects of landscape fragmentation on physiological tradeoffs*”; 3 years; \$861,228 (American: \$657,228 / Israeli: \$204,000; \$68,000 annually).
- 2018-2020 Ministry of Agriculture.

Ziv, Y. “*Conserving species diversity in the mosaics of agricultural fields and natural habitats at southern Judea lowlands*”; 3 years; ≈ 495,000 NIS (≈\$44,000 annually).

*2019-2023 Israel Chemicals Ltd (ICL).

Ziv, Y. “*Ecological restoration of the phosphorous mines*”; 4 years; ≈1,350,000 NIS (≈\$96,000 annually; including educational activity).

*2020-2021 BGU Multi-Disciplinary Grant.

Ziv, Y. (PI) and Svoray, T. (PI); “*Embedding geomorphometry and soil hydrology in landscape ecological models to explore species diversity patterns under habitat fragmentation*”; 1 year; 52,000 NIS.

*2020-2021 Nekuati Chen.

Ziv, Y. (PI) and Rotem, G. (PI); “*The effect of natural habitats and their arthropods on wheat yield in an agroecological system*”; 1 year; 45,000 NIS.

*2020-2021 Brom / Israel Chemicals Ltd (ICL).

Ziv, Y. (PI); “*Educational Ecological Workshops*”; 1 year; 100,000 NIS.

*2020-2021 BGU Data Science Perimeter Grant.

Keasar, C. (PI) and Ziv, Y. (PI); “*High throughput data acquisition for arthropod ecoinformatics*”; 1 year; 88,000 NIS

* = Active grants