

CURRICULUM VITAE

1. PERSONAL DETAILS

Full Name: Assaf Shwartz

Identity No: 034129171

Date and place of birth: 3 July 1977, Kfar-Saba, Israel

Marital status: Married +2

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2. ACADEMIC DEGREES

- 2012 PhD in Ecology and Geography, Centre of Ecology and Conservation Science, Natural History Museum of Paris and Department of Geography, University Paris1 Pantheon-Sorbonne, Paris, France (*with honors*).
- 2007 MSc in Ecology, the Department of Ecology, Systematics and Evolution, Hebrew University of Jerusalem.
- 2004 BSc in Life Sciences and Geography, Hebrew University of Jerusalem (*with honors*).

3. ACADEMIC APPOINTMENTS

- 2022-2023 Visiting Professor at the Centre for Biodiversity and Conservation Science, School of Biological Science, University of Queensland.
- 2020-present Associate Professor in Ecology and Conservation, Faculty of Architecture and Town Planning, Technion - Israel Institute of Technology.
- 2014-2020 Senior Lecturer in Ecology and Conservation, Faculty of Architecture and Town Planning, Technion - Israel Institute of Technology.
- 2013-2014 Post-doctoral research associate, Durrell Institute of Conservation & Ecology (DICE), School of Anthropology and Conservation, University of Kent.
- 2012-2013 Post-doctoral position, Centre of Ecology and Conservation Science, Natural History Museum of Paris.
- 2004-2006 Teaching Assistant, Department of Ecology, Systematics and Evolution, Hebrew University of Jerusalem.
- 2003-2004 Research Assistant, Department of Ecology, Systematics and Evolution, Hebrew University of Jerusalem.

4. RESEARCH INTERESTS

Human actions have pushed species to the brink of extinction resulting in a global biodiversity crisis. My research explores how human activities influence biodiversity, but also how people can benefit from biodiversity conservation. My aim is to find sustainable solutions for planning and managing of both human-dominated and pristine environments for the mutual benefit of people and nature. This is a multi- and interdisciplinary research program that integrates ecology, geography, sociology, psychology, economics, landscape planning and other fields. My specific fields of interest include urban ecology, conservation planning, ecosystem services and species invasion.

5. TEACHING EXPERIENCE

Design and teaching of new courses at the Technion

- Introduction to Landscape Ecology (undergraduate), Technion, 2015-2020.
- Urban Ecology (graduate, open to advanced undergraduates), Technion, 2015-2020.
- Landscapes of Israel (undergraduate), Technion, 2017 and 2020.
- Field Excursions for Landscape Architects (undergraduate), Technion, 2018-2020.
- Design Studio in Landscape Architecture (undergraduate), Technion, 2016.
- Introduction to Ecology for Architects (undergraduate), Technion, 2017-2019.

Teaching assistant

- Ecology of Plants of Israel (graduate and undergraduate), Hebrew University, 2004.
- Conservation Ecology (graduates), Hebrew University, 2005.

6. DEPARTMENTAL ACTIVITIES

2022	Head of Landscape Architecture Program.
2019-2021	Head of Landscape Architecture Program.
2014-Present	Member of the Landscape Architecture track committee.
2014-2018	Observer in the Urban and Regional Planning track committee.
2019	Member of Building Heritage Research Center prize committee.
2018	Member of the faculty PhD prize committee.
2014-2018	Responsible for the bi-annual Faculty Newsletter.
2016-2017	Member of the faculty events committee.
2015	Member of the Azrieli Foundation prize committee.

7. PUBLIC PROFESSIONAL ACTIVITIES

Editorial board member of professional journals

- 2020-Present Editorial board, "Animal Conservation" (Wiley)
- 2019-Present Editorial board, "Biological Conservation" (Elsevier).

2018-Present Editorial board, "People and Nature" (Willy).

Services to the profession

2020-Present Chair of Nekudat Chen Committee for building professional and interdisciplinary knowledge infrastructure for multi-functional landscape agriculture in Israel, Yad Hanadiv and the Israel Society of Ecology and Environmental Sciences.

Peer review for scientific journals

2021 Frontiers in Ecology and the Environment
 2021 Journal of Environmental Psychology
 2021 Global Biology Change
 2020 Nature Ecology and Evolution
 2019 Proceedings of the Royal Society B (Biological Science).
 2018 Applied Geography, Ecological Applications, Web Ecology.
 2017 AMBIO, BioInvasions Records, Journal of Environmental Monitoring & Assessment.
 2016 Journal of Environmental Management, Global Ecology and Biogeography.
 2016-Present Biological Invasions.
 2015-Present Urban Ecosystems, Landscape and Urban Planning.
 2015-Present Urban Greening and Forestry
 2015 Animal Biodiversity and Conservation.
 2014-Present Global Environmental Change.
 2013-2015 PlosOne.
 2013-2014 Israel Journal of Zoology.
 2013-Present Biological Conservation, Conservation Letters.

Reviewing for granting institutions

2021 Review of proposal for the Swiss National Science Foundation (SNSF)
 2020 Review of ISF proposals.
 2020 Review of proposal for U.S-Israel Binational Science Foundation (BSF).
 2019 Review of proposal for the Federal Ministry of Education and Research (BMBF).
 2018 Review of proposal for German-Israeli Foundation for Scientific Research and Development (GIF).
 2017 Review of proposal on agro-ecology for the chief scientist in the Ministry of Agriculture and Rural Development.
 2016 Review of Horizon 2020 BiodivERsA proposal on green infrastructures.

2016 Review of PSC-Mercator Fellowship Program (ETH Zurich) on maintaining plant biodiversity in cities.

Service to government agencies

Since 2018 Member of the scientific advising board of Israel's National Nature Assessment Program (HaMaarag).

Since 2017 Member of the scientific committee of the Botanical Garden of Hebrew University, Jerusalem.

2016-2019 Leader of the expert committee for exploring how to restore the urban nature in Haifa after the 2016 Fire, in collaboration with the municipality of Haifa, the Israeli Association of Landscape Architects and the Israel Society for Ecology and Environmental Sciences.

2014-2017 Member the Israeli Society of Ecology and Environmental Science expert committee on agro-ecology.

2014-2017 Member in the Ministry of Environmental Protection steering committee on integrating nature in cities.

2010 Member, Atelier Parisien d'urbanisme – Situation and perspectives on the place of nature in Paris (France).

2005 Advisor, Israel Nature and Parks Authority – The feasibility of reintroducing sand cat (*Felis margarita*) to the Negev.

8. MEMBERSHIP IN PROFESSIONAL SOCIETIES

2019-Present The International Association for Landscape Ecology.

2018-Present The British Ecological Society.

2018-2019 URBIO network for urban biodiversity and design.

2017-Present The Israeli Chapter of the Society for Conservation Biology.

2014-Present The Zoological Society of Israel.

2014-Present The Israeli Association of Landscape Architecture.

2014-Present The Israel Society of Ecology and Environmental Sciences.

2012-Present The International Society for Conservation Biology (ICCB).

2010-2015 The European Ecological Federation and the French Society of Ecology.

9. FELLOWSHIPS, AWARDS AND HONORS

Personal awards

2022-2026 Member of Israel Young Academy.

2021 Morton and Beverley Rechler Prize for Excellence in Research.

- 2018 Award from the student council of the Faculty of Architecture and Town Planning for significant investment in student welfare in the Faculty.
- 2013 European Green Capital award for best Thesis on Biodiversity in Urban Spaces.
- 2011 Students' European Ecology Prize, best oral presentation, 12th European Ecological Federation Congress. Avila, Spain.

Teaching awards

- 2022 (Spring) Technion award for distinction in teaching (top 12%).
- 2022 (Fall) Technion awards for excellence in teaching (top 4%).
- 2021 (Spring) Technion awards for excellence in teaching (top 4%).
- 2021 (Spring) Technion award for distinction in teaching (top 12%).
- 2020 (Fall) Technion award for distinction in teaching (top 12%).
- 2019 (Spring) Technion awards for excellence in teaching (top 4%).
- 2019 (Spring) Technion award for excellence in teaching (top 4%).
- 2017 (Fall) Technion award for excellence in teaching (top 4%).
- 2017 (Spring) Technion award for excellence in teaching (top 4%).
- 2016 (Spring) Technion award for distinction in teaching (top 12%).
- 2015 (Spring) Technion award for excellence in teaching (top 4%).

Awards for graduate student and post-docs under my supervision

- 2022 Michal Hendel (PhD Student). Awarded best student talk at the Annual Conference of the Israeli Society of Ecology and Environmental Science.
- 2021 Whitney Fleming (post-doc). Zuckerman Postdoctoral Fellowship.
- 2020 Dror Denneboom (PhD Student). Awarded best student talk at the Annual Conference of the Israeli Society of Ecology and Environmental Science.
- 2019 Hila Segre (PhD student). Awarded first prize for outstanding interdisciplinary talk at the 2nd Israel Conference for Conservation Sciences.
- 2018 Agathe Colléony. Technion Fellowship for distinguished post-doctoral fellows
- 2018 Hila Segre (PhD student). Awarded second-place best student talk at the annual meeting of the Zoological Society of Israel.
- 2016 Maya Tzunz (MSc student). Awarded best student talk at the Annual Conference of the Israeli Society of Ecology and Environmental Science.

10. GRADUATE STUDENTS

Completed MSc theses

1. Eli Finrov, 2020-2022, "Identifying means to mitigate the impact of the invasive common myna", MSc at Faculty of Life Sciences, Department of Zoology Tel-Aviv University, Co-Supervised with Prof. Shay Meiri (Tel-Aviv University) and Dr. Uri Roll (Ben Gurion University).
2. Raz Simon, 2017-2021, "Traditional vs. intensive agriculture: Exploring the ecological, social and economic impacts different practices in olive orchard in Israel", MSc at the Faculty of Architecture and Town Planning, Landscape Architecture, Technion.
3. Gal Geisler, 2017-2020, "How can we plan and manage camping sites in the Negev to balance between their ecological impacts and the social benefits to users?" MSc at the Faculty of Architecture and Town Planning, Landscape Architecture, Technion.
4. Maya Tzunz, 2014-2017, "The relationship between biodiversity and the provision of cultural services in urban environments", MSc at the Faculty of Architecture and Town Planning, Technion, with Prof. Amnon Frenkel as co-supervisor.
5. Roaxane Leverrier, 2010-2011, "Comparison of life history traits between native and introduced species in Western Europe", Master 1 at the National Natural History Museum with Dr. AC Julliard-Prévot (primary supervisor) and Dr. P. Teillac-Deschamps.
6. Christiane Touati, 2009-2010, "The perception of biodiversity by Parisian city-dwellers", Master 2 at the University of Paris1-Sorbonne, with Prof. Laurent Simon as primary supervisor.
7. Iris Petitjean, 2009-2010, "How do landscape-scale variables influence the distribution of biodiversity in cities – Paris as a case study", Master2 at the National Natural History Museum, with Prof. Romain Julliard as primary supervisor.
8. Alexandre Jaillon, 2009-2010, "The relationship between biodiversity and management in Parisian gardens, Master 2 at the National Natural History Museum, with Prof. Romain Julliard as primary supervisor.

Completed PhD theses

9. Hila Segre, 2015-2020, "Modeling alternatives for planning and management of ecological corridors in agricultural environments", PhD at the Faculty of Architecture and Town Planning, Technion, with Prof. Yohay Carmel as co-supervisor.
10. Danielle Bashan, 2016-2020, "Planning nature in cities: understanding the "dose" of nature needed to achieve ecological and social objectives in urban planning," PhD at the Faculty of Architecture and Town Planning.
11. Dror Denneboom, 2017-2023, "Planning for defragmentation: The effect of location and configuration of wildlife crossings on landscape connectivity", PhD at the Faculty of Architecture and Town Planning, Technion, with Assoc. Prof. Avi Bar-Massada (Haifa University) as co-supervisor.

PhD theses in progress

12. Lior Ventura, 2019-2023, "Nature-based Solutions in cities and their effects on biodiversity", PhD at the Faculty of Architecture and Town Planning. (After qualification exam).
13. Michal Hendel, 2019-2023, "Monitoring animal movement in order to assess the efficiency of ecological corridors", PhD at the Faculty of Architecture and Town Planning, Technion, with Dr. Or Spiegel (Tel-Aviv University) as co-supervisor. (After qualification exam).
14. Nitzan Dan Rakedzon, 2019-2024, "Planning for nature experience in nature reserves: Whether and how experience of nature can be enhanced using planning and design", PhD at the Faculty of Architecture and Town Planning, Technion with Assoc. Prof. Nurit Lissovsky. (After qualification exam).
15. Lee Geftner, 2021-2025, "Designing cities to withstand climate change: The efficiency of Nature-based Solutions in arid regions", PhD at the Faculty of Architecture and Town Planning, Technion with Dr. Anat Tchetchik, Bar-Ilan University. (After qualification exam).
16. Yulia Furshik, 2022-2026, "Nature Components and the effects on human wellbeing", PhD at the Faculty of Architecture and Town Planning, Technion. (Before qualification exam).
17. Hamutal Fridman, 2022-2026, "The role of green patches in sustaining biodiversity in cities: empirical evaluations of contemporary hypotheses and their implications to urban planning", PhD at the Faculty of Architecture and Town Planning, Technion with Assoc. Prof. Avi Bar-Massada (Haifa University) as co-supervisor (Before qualification exam).

MSc theses in progress

18. Mookie Breuer, 2019-2022, "The effects of human activities on animal behavior in the agricultural landscape: how can we plan and manage better agro-ecological systems", MSc at Porter School of Environmental Studies, Tel Aviv University, Co-Supervised with Dr. Orr Spiegel as primary supervisor.
19. Yoel Hassin, 2020-2023, "Mapping a region's Sound Scape quality using a combination of acoustic simulations and multiple recordings", MSc at Porter School of Environmental Studies, Tel Aviv University, Co-Supervised with Prof. Yossi Yovel as primary supervisor.
20. Orni Bloch 2021-2023, "Enhancing the experience of nature in urban park through the design of interactive nest boxes for birds", MSc at the Faculty of Architecture and Town Planning, Landscape Architecture, Technion. Co-Supervised with Dr. Daniel Metcalf.

11. SPONSORED LONG-TERM VISITORS AND POST-DOCTORAL ASSOCIATES

Post-doctoral research associate

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| 2021 – present` | Dr. Whitney Fleming, "The Health and well-being outcomes of Nature-based Solution in urban areas". (Won the Zuckerman Postdoctoral Fellowship). |
| 2017 – 2020 | Dr. Agathe Colleony, "Nature interactions and their influence on people's health, wellbeing and affinity to nature". (Won Technion Fellowship grant for distinguished post-doctoral fellows) |

2014 – 2015 Dr. Hagit Zimroni, “Attitudes of farmers regarding the implementation of agro-ecological practices”.

12. RESEARCH GRANTS

Competitive

Sponsored

- 2021-2025 Future and Emerging Technologies (FET) H2020 - European commission, 3,000,000 EUR, “Ecological building envelopes: a game-changing design approach for regenerative urban ecosystems”. PI: Wolfgang Weisser (Technical University of Munich), co-PI: Assaf Shwartz
- 2019-2024 European Research Council (ERC) starting grant, 1,500,000 EUR, “Beyond assuming co-benefits in Nature-based Solutions: Applying the niche concept for optimizing social and ecological outcomes”. PI: Assaf Shwartz.
- 2017-2018 German Israel Foundation (GIF) for Young Scientists Program, 18,000 EUR, “Unpacking the cause and consequences of the extinction of experience”. PI: Assaf Shwartz.
- 2016-2017 Ministry of Agriculture, 165,000 NIS, “Agricultural areas as ecological corridors: exploring the ecological and economic implications of different planning and management scenarios in Harod Valley as a case study”. PI: Assaf Shwartz, Co-PIs: Yohay Carmel (Civil Engineering, Technion), Itai Rennan (Tel-Aviv University), Michal Segoli (Ben-Gurion University), Anat Tchechik (Bar-Ilan University) and Hila Segre (PhD student).
- 2016-2020 Israel Science Foundation (ISF), 720,000 NIS, “Planning for nature in cities: how should we grow cities to enhance people’s well-being and mitigate biodiversity impacts”. PI: Assaf Shwartz.
- 2013-2017 Cost-Action, ~400,000 EUR, “European network on invasive parakeets: Understanding invasion dynamics and risks to agriculture and society (ParrotNet)”. PI: Jim Groombridge. I co-author this proposal with an additional 28 experts.

Industrial, governmental and other sources

- 2021 Israel Land Authority (The Open Space Foundation), 320,000 NIS, “Monitoring animal movement in open spaces as a mean to develop interventions for planning and managing effective ecological corridors”. PI: Assaf Shwartz, co-PI Orr Spiegel (Tel Aviv University).
- 2022 Israel Nature and Park Authority, 30,000 NIS, “Exploring measures to reduce population sizes and activity of common myna in protected areas: Mekorot Hayarkon and Tel-Affek as case studies. PIs Assaf Shwartz, Uri Roll (Ben-Gurion University) and Shay Meiri (Tel-Aviv University).
- 2020-2021 Ramat Hanadiv, 60,000 NIS, “Exploring methods to reduce the activity of common myna in protected areas”. PIs: Shay Meiri (Tel-Aviv University), Uri Roll (Ben-Gurion University) and Assaf Shwartz.

- 2021-2022 Israel Nature and Park Authority, 104,000 NIS, "Planning and prioritizing the location of ecological wildlife crossing". PI: Assaf Shwartz, co-PI Avi Bar-Massada (Haifa University).
- 2020-2022 Ministry of Construction and Housing, 125,000 NIS, "Connectivity, heterogeneity, patch size, or vegetation? A design-oriented exploration of the factors that govern species diversity in urban areas". PI Assaf Shwartz, Co-PIs: Avi Bar-Massada (Haifa University) and Oren Kolodny (Hebrew University).
- 2018-2021 Israel Land Authority (The Open Space Foundation), 200,000 NIS, "Monitoring animal movement in ecological corridors as a tool to advance planning and management of corridors in intensive agricultural". PI: Assaf Shwartz, co-PI Orr Spiegel (Tel Aviv University).
- 2018-2019 Israel Nature and Park Authority, 93,600 NIS, "Camping sites in the Negev: How to plan campsites that reduce ecological impacts and maximize benefits to visitors". PI: Assaf Shwartz.
- 2017-2019 Ramat Hanadiv, 70,000 NIS, "Understanding and enhancing the experience of nature of visitors in Ramat Hanadiv". PI: Assaf Shwartz, co-PIs Liat Levontin (Faculty of Industrial Engineering, Technion) and Agathe Colleony (post-doc).
- 2016-2017 Nekudat-Chen, 115,000 NIS (30,000 NIS from NPA), "Cost benefit analysis of field margin practices in Emek Harod". PI: Assaf Shwartz, Co-PIs: Yohay Carmel (Civil Engineering, Technion), Michal Segoli (Ben-Gurion University), Anat Tchechik (Bar-Ilan University) and Hila Segra (PhD student).
- 2015-2016 Nekudat Chen, 85,000 NIS (20,000 NIS from NPA), "Perceptions of farmers of interventions to create ecological corridors in Emek Harod". PI: Assaf Shwartz.
- 2015-2016 Municipality of Netanya, 30,000 NIS, "Understanding the relationship between biodiversity and well-being". PI: Assaf Shwartz.
- 2010-2011 NatureParif (Ile-de-France), 30,000 EUR, "Virtual Garden – a tools for assessing which biodiversity people want". PI: Romain Julliard and Assaf Shwartz (PhD student).
- 2010-2012 Conseil général de Seine-Saint-Denis, 50,000 EUR, "Wastelands as a refuge for nature and people in cities". PIs: Audery Muratet and Assaf Shwartz.

13. PUBLICATIONS

Theses

- 2007 Shwartz A.: "Patterns and processes shaping the success of urban and invasive birds". Faculty of Life Sciences, Department of Ecology, Evolution and Behavior at the Hebrew University of Jerusalem, Israel. Supervisor: Salit Kark.
- 2012 Shwartz A.: "The interaction between people and biodiversity in the heart of a large metropolis". LADYSS, CRBPO. Université de Paris1 Panthéon-Sorbonne, Museum National d'Histoire Naturelle, Paris, France. Supervisor: Romain Julliard and Laurent Simon.

Refereed papers in professional journals (graduate student and post-docs marked in *italics*)

1. **Shwartz A.**, Shirley S. and Kark S. "How do habitat variability and management regime shape the spatial heterogeneity of birds within a large Mediterranean urban park?". Landscape and Urban Planning 84, pp 219-229, 2008.
2. **Shwartz A.**, Strubbe D., Butler C. J., Matthysen E. and Kark S. "The effect of enemy-release and climate conditions on invasive birds: A regional test using the rose-ringed parakeet (*Psittacula krameri*) as a case study". Diversity and Distribution 15, pp 310-318, 2009.
3. Zion M., Spektor-Levy O., Orchan Y., **Shwartz A.**, Sadeh I. and Kark S. "Tracking Invasive Birds - a Challenge of Open Inquiry Learning and Conservation Education". Journal of Biological Education 45(1), pp 3-12, 2011.
4. Strubbe D., **Shwartz A.** and Chiron F. "Concerns regarding the scientific evidence informing impact risk assessment and management recommendations for invasive birds". Biological Conservation 144 (8), pp 2112-2118, 2011.
5. Strubbe D., Chiron F. and **Shwartz A.** "Reply to Kumschick and Nentwig (2010, 2011): Promoting a robust cost-benefit approach for conducting impact risk assessments of invasive species". Biological Conservation 144 (12), pp 2748, 2011.
6. **Shwartz A.**, Cosquer A., Jaillon A., Piron A., Julliard R., Raymond R., Simon L. and Prévot-Julliard A. C. "Urban biodiversity, city-dwellers and conservation: how does an outdoor activity day affect the human-nature relationship?". PloS One 7(6), pp e328642, 2012.
7. Orchan Y., Chiron F., **Shwartz A.** and Kark S. "The complex interaction network among multiple invasive bird species in a cavity-nesting community". Biological Invasions 15(2), pp 429-445, 2013.
8. **Shwartz A.**, Muratet A., Simon L. and Julliard R. "Local and management variables outweigh landscape effects in enhancing the diversity of different taxa in a big metropolis". Biological Conservation 157 (2013), pp 285-292, 2013.
9. **Shwartz A.**, Cheval H., Simon L. and Julliard R. "Virtual Garden – a novel tool exploring which elements of biodiversity people want to have in cities". Conservation Biology 27, pp 876-886, 2013.
10. **Shwartz A.**, Turbé A., Simon L., and Julliard R. "Enhancing urban biodiversity and its influence on city-dwellers: An experiment". Biological Conservation 171, pp 82-90, 2014.
11. **Shwartz A.**, Turbé A., Julliard R., Simon L. and Prévot-Julliard A. C. "Outstanding challenges for urban biodiversity conservation research and action". Global Environmental Change 28, pp 39-49, 2014.
12. Pe'er G., Dicks L. V., Visconti P., Arlettaz R., Báldi A., Benton T. G., Collins S., Dieterich M., Gregory R. D., Hartig F., Henle K., Hobson P. R., Kleijn D., Neumann R. K., Robijns T., Schmidt J., **Shwartz A.**, Sutherland W. J., Turbe A., Wulf F. and Scott A. V. "EU agricultural reform fails on biodiversity". Science 344, pp 1090-1092, 2014.
13. Pett T.J., **Shwartz A.**, Irvine K.N., Dallimer M., and Davies Z.G. "Unpacking the people-biodiversity paradox: A conceptual framework". Bioscience 66, pp 576-583, 2016.
14. Tollington S., Turbé A., Rabitsch W., Groombridge J. J., Roy H. E., Scalera R., Essl F. and **Shwartz A.** "Making the EU legislation on invasive species a conservation success". Conservation Letters 10(1), pp 112-120, 2017.

15. Postigo J.L., **Shwartz A.**, Strubbe D., and Muñoz A.R. "Unrelenting spread of the invasive monk parakeet *Myiopsitta Monachus* in Israel. Is it time to sound the alarm?". *Pest management Science* 73, pp 249-353, 2017.
16. **Shwartz A.** "Conserving nature in cities – why? The values of conserving urban biodiversity as reflected in the academic discourse". *Ecology and Environment* 7, pp 220-226, 2016 (in Hebrew).
17. Lacoeyilhe A., Prévot AC., and **Shwartz A.** "The social value of conservation initiatives where people work". *Landscape and Urban Planning* 157, pp 493 -501, 2017.
18. Turbé A., Strubbe D., Morid E., Carrete M., Chiron F., Clergeau P. González-Morenoi P., Le Louarnj M., Luna A., Menchetti M., Nentwigl W., Pârâum L., Postigo J.H., Rabitsch W., Senar J.C., Tollington S., Vanderhoeven S., Weiserbss A. and **Shwartz A.** "Assessing the assessments: evaluation of four impact assessment protocols for invasive alien species". *Diversity and Distributions* 23 (3), pp 297-307, 2017.
19. Vanderhoeven S., Branquart Y., D'hondt B., Hulme P.E., **Shwartz A.**, Strubbe D., Turbe T., Verreycken H. and Adriaens T. "Beyond protocols: improving the reliability of expert- based risk analysis underpinning invasive species policies". *Biological Invasions* 19 (9), pp 2507-2517, 2017.
20. Luna A., Detlev F., Strubbe D., **Shwartz A.**, Braun M., Hernández- Brito D., Malihi Y., Kaplan A., Mori E., Menchetti M., van Turnhout C.A.M., Parrott D., Chmielewski F.M. and Edelaar P. "Reproductive timing as a constraint on invasion success in the Ring-necked parakeet (*Psittacula krameri*)". *Biological Invasions* 19 (8), pp 2247-2259, 2017.
21. **Shwartz A.**, Davies Z.G., Macgregor N.A., Crick H.Q.P., Clarke D., Eigenbrod F., Gonner C., Chill C.T., Knight A.T., Metcalfe K., Osborne P.E., Phalan B. and Smith R.J. "Scaling up from protected areas in England: the value of establishing large conservation areas". *Biological Conservation* 212, pp 279-287. 2017.
22. Schuttler S., Sorensen A., Cooper K., Jordan R. and **Shwartz A.** "Bridging the Nature Gap: Can Citizen Science Reverse the Extinction of Experience?" *Frontiers in Ecology and the Environment* 16(7), pp 405-411, 2018.
23. Colléony A., White R. and **Shwartz A.** "The influence of spending time outside on experience of nature and environmental attitudes". *Landscape and Urban Planning* 187, pp 96-104, 2019.
24. Luna A., Edelaar P., and **Shwartz A.** "Assessment of social perception of an invasive parakeet among different segments of the public, using a novel visual survey method". *Neobiota* 46, pp 71-89, 2019.
25. White R., Strubbe F.D., Dallimer M., Davies G.Z., Davis A.J.S., Edelaar P., Groombridg J., Jackson H.A., Menchetti M., Mori E., Nikolov B.P., Pârâu L.P., Pečnikar Z.F., Pett T., Reino L.O., Tollington S., Turbé A., and **Shwartz A.** "Assessing the ecological and societal impacts of alien parrots in Europe using a transparent and inclusive evidence-mapping scheme". *NeoBiota* 48, pp 45-69, 2019.
26. Colléony A. and **Shwartz A.** "Beyond assuming co-benefits in nature-based solutions: A human-centered approach to optimize social and ecological outcomes for advancing sustainable urban planning". *Sustainability* 11(18), pp 4924, 2019.
27. Strubbe D., Edelaar P., White R. and **Shwartz A.** "Advancing impact assessments of non-native species: strategies for strengthening the evidence-base". *NeoBiota* 51, pp 41-64, 2019.

28. Segre H., Carmel Y. Segoli M., Tchetchik A., Renan I., Perevolostky A., Rotem D. and **Shwartz A.** "Costs-effectiveness of uncultivated field-margins and semi-natural patches in Mediterranean areas: A multi-taxa, landscape scale approach". Biological Conservation 240, pp 108262, 2019. (IF=4.45, Q1 in Biodiversity Conservation 7/59)
29. Colléony A. and **Shwartz A.** "When the winners are the losers: Invasive alien species outcompete the native winners in the biotic homogenization process". Biological Conservation 241, pp 108314, 2020.
30. Segre H., Carmel Y. Segoli M. and **Shwartz A.** "Experimental evidence of multiple ecosystem services and disservices provided by ecological intensification in Mediterranean agro-ecosystems". Journal of Applied Ecology 57(10), pp 2041-2053, 2020.
31. Colléony A., Levontin L. and **Shwartz A.** "Promoting meaningful and positive nature interactions for visitors to green spaces". Conservation Biology 34 (6), pp 1373-1382, 2020.
32. Colléony A., Cohen R. and **Shwartz A.** "Unpacking the causes and consequences of the extinction of experience". Biological Conservation 251, pp 10877, 2020.
33. Marselle M.R., Turbe A., **Shwartz A.**, Bonn A. and Colléony A. "How to change behaviour to foster conservation? A critical analysis of EU pollinator policies". Conservation Biology 36 (2), pp 610-622, 2021.
34. Goddard M.A., Davies Z.G., Guenat S., Ferguson M.J., Fisher J.C., Akanni A., Ahjokoski T., Anderson P.M., Angeoletto F., Antoniou C., **Shwartz A.**, and Dallimer M. "A global horizon scan of robotics and autonomous systems in urban ecosystems". Nature Ecology and Evolution 5 (2), pp 219-230, 2021.
35. Bashan D., Colléony A. and **Shwartz A.** "Extinction of experience and the loss of emotional connection to nature and ecological knowledge". People & Nature 3 (2), pp 347-358, 2021.
36. Colléony A., Geisler G. and **Shwartz A.** "Exploring biodiversity and users of campsites in desert nature reserves. Science of the Total Environment". Science of the Total Environment 770, pp 145255, 2021.
37. Denneboom D., Bar-Massada A. and **Shwartz A.** "Factors affecting usage of crossing structures by wildlife – a systematic review and meta-analysis". Science of the Total Environment 777, pp 146061, 2021.
38. Teff-Seker Y., Segre H., Eisenberg E., Orenstein D.E., and **Shwartz A.** "Factors influencing farmer and resident willingness to adopt an agri-environmental scheme in Israel". Journal of environmental management 302, pp114066, 2022.
39. Segre H., Carmel Y. and **Shwartz A.** "Economic and not ecological variables shape the sparing-sharing trade-off in a mixed cropping landscape". Journal of Applied ecology 59 (3), pp 779-790, 2022.
40. Levontin L., Land A., Gilad Z., Shuster B., Lavie-alon N. and **Shwartz A.** "Standardizing the Assessment of Citizen Scientists' Motivations: A Motivational Goal-Based Approach: Standardizing the Assessment of Citizen Scientists' Motivations". Citizen Science: Theory and Practice 7(1), 2022.
41. Colléony A., Clayton S. and **Shwartz A.** "Impacts of nature deprivations during the COVID-19 pandemic: A pre-post comparison". Biological Conservation 268, pp 109520, 2022.
42. Weisser W.W., Hensel M., Barath S., Grobman J.Y., Hauck T.E., Ludwig F., Mimet A., Perini K., Roccotiello E., Schloter M., **Shwartz A.**, Sunguroğlu Hensel D., and Vogler V. "The Ecolope: A

research framework for uniting ecology, architecture, and computational design to create ecologically sound buildings”. People & Nature. 2022.

Submitted papers

43. *Denneboom D.*, Bar-Massada A. and **Shwartz A.** “A large-scale analysis reveals that both high and low traffic roads pose a major mortality risk to wildlife”. *Conservation Biology*. (under review).
44. *Fleming W. and Shwartz A.* “Realized opportunity and perceptions of opportunity: understanding nature interactions in urban nature areas and their associations with connection to nature and wellbeing”. *People & nature* (Major revisions).
45. **Shwartz A.**, *Tzunz M. and Colléony A.* “One size does not fit all: the complex relationship between biodiversity and psychological well-being”. *Urban Forestry & Greening* (major revisions).
46. Hahs A.K., Fournier B., Aronson M.F.J., Nilon C., **Shwartz A.**, ... Kotze D.J. and Moretti M. Urbanisation globally reduces functional diversity across multiple taxa. *Nature Ecology and Evolution*. (major revisions)
47. *Fleming W.* Risoby B. and **Shwartz A.** “Eye-tracking in outdoor urban environments shows wellbeing benefits derived from redirecting visual attention toward nature” *Nature Sustainability* (under review).
48. Ventura, L., Strubbe, D. and **Shwartz A.** “A large-scale systematic bird survey across urban, rural, and natural areas demonstrates the potential value of cities for regional biodiversity conservation” *Landscape and Urban Planning* (under review).

Chapters in books

1. Muratet A., Muratet M., Pellaton M., Brun M., Baude M., **Shwartz A.** & Fontaine C. “Wasteland, a refuge for biodiversity, for humanity”. In: Di Pietro F. and Robert A., editors. *Urban wastelands: a form of urban nature?* 2021, Springer Nature & Cities.
2. **Shwartz A.** “Designing nature in cities to safeguard meaningful experiences of biodiversity in an urbanizing world”. In: Niemelä J. and Ossola A., editors. Urban biodiversity: From research to practice. 2017.

Research reports and other publications

1. Maresca B., Vandebroucke S., Mercurio G., Brice L., Petit O., Calvo-Mendieta I., Carnoye L., Maillefert M., Masson M., Julliard R., **Shwartz A.**, Tesnière C. and Duhayon G. “Les services écosystémiques du parc naturel régional Scarpe-Escaut: Évaluation et approche prospective”. Report to Conseil régional du Nord Pas de Calais. 2014.
2. **Shwartz A.**, Zimrony H., Sinai I. and Rotem D. “Perceptions of farmers on interventions to create ecological corridors in Emek Harod”. Report to Nekudat Chen, Yad Hanadiv. 2016.
3. Segre H., Carmel Y., Segoli M., Tchechik A. and **Shwartz A.** “Cost-benefit analysis of implementing wildlife-friendly field-margin practice in Harod Valley”. Report to Nekudat Chen, Yad Hanadiv. 2017.

4. Segre H., Carmel Y., Segoli M., Tchechik A., Rennan I. and **Shwartz A.** "Fields and agricultural margins: mutual ecological impacts and economic implications of interface alternatives". Report to the Ministry of Agriculture, chief scientist fund. 2017.
5. Levi A., Segal E., Sasson O. and **Shwartz A.** "Reduce susceptibility to fires and rehabilitation of forests in urban areas: Haifa as a case study". Report to the Israeli Society of Ecology and Environmental Science. 2018.
6. Bashan D., Colléony A., Levontin L. and **Shwartz A.** "Understanding and enhancing the experience of nature of visitors in Ramat Hanadiv". Report to Long Term Ecological Research Station (LTER) in Ramat Hanadiv. 2018.
7. Geisler G. and **Shwartz A.** "Toward integrative planning of protected areas: Understanding the ecological impacts and social benefits of campsites in the Negev Desert". Report to The Israeli Nature and Park Authority, Science Division. 2020.
8. **Shwartz A.**, Hendel M. ad Spiegel O. "Exploring the function of ecological corridors in Emek Harod by monitoring animal movement as a tool for planning effective interface". Report to Israel Land Authority (The Open Space Foundation). 2021.
9. **Shwartz A.**, Bar-Masada A. and Kolodny O. "Connectivity, structural complexity, size, or vegetation cover? Exploring the factors that influence the bird diversity in urban nature patches from a planning perspective". Report to Ministry of Housing. 2022.

Other publications

1. **Shwartz A.** "Ecologie urbaine – une fenêtre pour la nature." In: Guillet F., Raymond R., Renault O., (eds.). Biodiversité et société. Outils pour l'aménagement du territoire en Seine-et-Marne, Illustria , pp 134-136. 2016.
2. Turbé A. and **Shwartz A.** "Dépendances aux services écosystémiques et à la biodiversité." In: Guillet F., Raymond R., Renault O., (eds.). Biodiversité et société. Outils pour l'aménagement du territoire en Seine-et-Marne, Illustria, pp 256-258. 2016.
3. **Shwartz A.** and Shirley S. "Species accounts of 100 of the most invasive alien species in Europe: Rose-ringed parakeet". In: DAISIE, editor. Handbook of alien species in Europe. Dordrecht: Springer. pp 273. 2008.
4. **Shwartz A.** and Orchan Y. "The quiet Invasion". Teva Hadvarim 121, pp 88-98. 2006. (in Hebrew).
5. Roll U., Belmaker Y., Bar-David S., Vidan E., Saltz D., Yom-Tov Y., Levinsky I., Meiri S., Renann I., **Shwartz A.**, Spiegel O. and Berger-Tal O. "Nature conservation: there is no compassion in non-action". Ecology and Environment 3: 58-60. 2018. (in Hebrew).
6. Roll U., Belmaker Y., Berger-Tal O., Dor R., Saltz D., Levinsky I., Meiri S., Renann I., **Shwartz A.** and Spiegel O. "Compassion for non-native species can be cruel for local species". Haaretz June 2018, available (in Hebrew).
7. Spiegel O. and **Shwartz A.** "The influence of the CORVID-19 pandemic on animals: Who will benefit and who will lose", Ecology and Environment, in press 2020. (In Hebrew).

16. CONFERENCES

(*Talks of undergraduate students or post-docs under my supervision)

Plenary, keynote or invited talks

Abroad

Shwartz A. “People’s capabilities to experience biodiversity as possible bottleneck in conservation”. ALTER-Net conference; Science underpinning the EU 2020 biodiversity strategy, Ghent (Belgium), April 2013 (invited talk).

Shwartz A. “Citizen Science as a potential tool to prevent the extinction of experience”. ICCB-ECCB Montpellier, August 2015 (invited symposium).

Shwartz A. “Aligning the agendas of public health and conservation: Which elements of biodiversity provide well-being benefits to city dwellers?”. IUBS, Berlin, December 2015 (invited talk).

Shwartz A. “On the ecological and social benefits of conserving urban biodiversity”. The 56th congress of the European Regional Science Association (ERSA), Vienna, Austria, August 2016 (invited symposium).

Heap T., Jones J.P.G., Gunton M., Templar D. and **Shwartz A.** “Virtual nature debate”. Multiple Values of Nature Symposium, British Ecological Society (BES). Bristol, UK, March 2020 (invited panel speaker in a debate).

Shwartz A. “Bridging the nature gap with citizen science”. European Citizen Science Association (ECSA). Trieste, Italy, September 2020. (invited symposium).

Shwartz A. “Conservation outside protected areas: designing multifunctional landscapes for the mutual benefit of people and biodiversity”. Conservation Symposium. KwaZulu-Natal South Africa, November 2020 (plenary talk)

In Israel

Shwartz A. “People, biodiversity and their interactions in the urban environment”. The annual conference of LTER Ramat Hanadiv, Zichron Yaakov, April 2013 (invited talk).

Shwartz A. “Public participation in monitoring biodiversity: examples from France and the added value”. The Annual Symposium of Israel’s National Ecosystem Assessment Program (HaMaarag), held at the IDC Herzliya, February 2014 (invited plenary talk).

Shwartz A. “Urban ecology: why should we conserve urban biodiversity and how?”. The Annual Conference of the Israeli Association of Landscape Architects, Tel-Aviv University, October 2015 (invited talk).

Possingham H., Grenyer R., Netanyahu S., Sagi Y., Shkedy Y., **Shwartz A.** and Levinsky I. “The future of Israeli conservation – where do we go from here”. 1st Israeli Conference for Conservation Science, Sde Boker, April 2017 (panel discussion).

Shwartz A., Carmel Y. and Segre H. “Agro-ecological practices in intensive agriculture landscape, their influence on the farmer and on nature conservation”. Conference of the Ministry of Agriculture: Regional ventures for agriculture environment, September 2017 (invited talk).

*Segre H. and **Shwartz A.** “Opportunities and pitfalls of conservation planning in agricultural landscapes: An interdisciplinary study”. The Annual Conference for Science and the Environment (ISEES), June 2018, Rehovot, Israel (invited talk).

Shwartz A. “Functions of biodiversity in Agroecology towards sustainable crop production”. Agroecology symposium at the Volcani Center, November 2018, Israel (invited talk).

Shwartz A. “Who wins and who loses from natural remnants in agricultural landscapes”. The 1st Conference of Agricultural Science, October 2021, Israel (invited talk).

Contributed Talks and Posters

Abroad

Shwartz A. Miller E., Levin N. and Kark S. “Bird diversity in an urban park: the Tel Aviv city park as a case study”. International Conference on Birds and Environment, Haridwar (India), November 2004 (Oral).

Shwartz A. and Kark S. “Alien invasive birds: how do they succeed? A case study of three species in Israel”. The Neobiota Meeting, Vienna (Austria), September 2006 (Poster).

Shwartz A. “Interactions entre les hommes et la biodiversité dans le milieu urbain en Ile-de-France”. Conférence RDS2 Ile-de-France, Paris (France), June 2010 (Oral).

Shwartz A. Strubbe D., Teillac-Deschamps P., Julliard-Prévot AC., Julliard R. and Chiron F. “Concerns regarding impact risk assessment and management recommendations for invasive birds”. The 8th Conference of the European Ornithologists’ Union, Riga (Latvia), August 2011 (Oral).

Shwartz A. Turbé A., Julliard R., Simon L. and Prévot-Julliard AC. “Motivations for Studying Urban Biodiversity: Facts versus Statements”. The 12th European Ecological Federation Congress (EEF), Avila (Spain), September 2011, (Oral).

Shwartz A. Andrade A. and Julliard R. “Do urban birds adapt to a weekly cycle and ‘work’ harder during the weekends? “. European Congress of Conservation Biology (ECCB), Glasgow (UK), August 2012 (Oral).

Shwartz A. “Virtual Garden: a novel tool exploring which elements of biodiversity people want in cities”. International Congress for Conservation Biology (ICCB), Baltimore (MD, USA), July 2013 (Oral).

Shwartz A. Davies Z. G., Adams W. M., Armsworth P. R., Ausden M., Crick H. Q. P., Eigenbrod F., Gonner C.A., Knight A. T., Macgregor N. A., Phalan B., Stoneman R. and Smith R. J. “Scaling up from protected areas: the value of establishing large conservation areas”. The joint BES-DICE Symposium - Considering the Future of Conservation, Canterbury (UK), June 2014 (Poster).

Shwartz A. and Tzunz M. “One size does not fit all – the complex relationship between wellbeing and biodiversity”. North America Congress for Conservation Biology (NACCB), Madison, Wisconsin (US), July 2016 (Oral).

*Tzunz M. and **Shwartz A.** “One size does not fit all – the complex relationship between wellbeing and biodiversity”. The Ecological Society of America (ESA), Fort Lauderdale, Florida (US), August 2016 (Oral).

Shwartz A. and Tzunz M. “One size does not fit all – the complex relationship between wellbeing and biodiversity”. European Conference on biodiversity and health in the face of climate change, Bonn, (DE), June 2017 (oral).

Shwartz A., Turbe A. and Strubbe D. “Assessing the assessments: Evaluation of four impact assessments for Invasive Alien Species”. 28th International Congress for Conservation Biology, Cartagena, (CO), July 2017 (Oral).

*Segre H., Carmel Y. and **Shwartz A.** “Potential of uncultivated field-margins in restoring agro-ecosystems in the Mediterranean: Considering seasonal dynamics and management”. 7th World Conference on Ecological Restoration, Iguassu (Br), September 2017 (Oral).

*Segre H., Carmel H. and **Shwartz A.** “Implementation of the land-sharing and land-sparing framework in agro-ecological corridors”. 5th European Congress of Conservation Biology, June 2018, Jyväskylä, Finland (Oral).

*Colleony A., White R. and **Shwartz A.** “Can walking dogs influence experience of nature and conservation attitudes? Results from a cross-cultural study”. 5th European Congress of Conservation Biology, June 2018, Jyväskylä, Finland (Oral).

Shwartz A. and Tzunz M. “The components of nature that provide wellbeing: Does biodiversity matters and for who?”. 5th European Congress of Conservation Biology, June 2018, Jyväskylä, Finland (Oral).

Shwartz A. “Designing for biodiversity in cities: Does biodiversity matters and for who?”. URBio International Conference on Urban Biodiversity and Food Security, September 2018, Cape-Town, South Africa (Oral).

Shwartz A. and Colleony A. “Can walking dogs influence experience of nature and conservation attitudes? Results from a cross-cultural study”. URBio International Conference on Urban Biodiversity and Food Security, September 2018, Cape-Town, South Africa (Oral).

Shwartz A. “Designing nature in cities to safeguard meaningful experiences of biodiversity in an urbanizing world”. The 10th World congress of the International Association of Landscape Ecology, July 2019. Milan, Italy (Oral).

*Segre H., Carmel Y., **Shwartz A.** “Cost-effectiveness of wildlife-friendly practices for multiple taxa: a landscape scale approach”. The 10th World Congress of the International Association of Landscape Ecology, July 2019. Milan, Italy (Oral).

Shwartz A., Levontin L. and Colleony A. ““Smell flowers!”- Priming increases meaningful experiences of nature and well-being”. Annual Meeting of the British Ecological Society. December 2019. Belfast, England (Oral).

*Denneboom D., Bar-Massada A. and **Shwartz A.** “Factors affecting usage of crossing structures by wildlife – a systematic review and meta-analysis”. 7th Conference of Infrastructure & Ecology Network Europe (IENE). Online conference, April 2021 (Oral).

*Rekedzon-Dan N., Lisovsky N. and **Shwartz A.** “Planning for the experience of nature in protected areas.” The 6th European Congress of Conservation Biology (ECCB), Czech University of Life Sciences, Prague, Czech Republic, Aug 2022 (Oral).

*Hendel M., Spiegel O. and **Shwartz A.** “Tracking animal movement to inform the design of effective ecological corridors in agroecosystems”. The 6th European Congress of Conservation Biology (ECCB), Czech University of Life Sciences, Prague, Czech Republic, Aug 2022 (Oral).

*Ventura L., Strubbe D. and **Shwartz A.** "Assessing the contribution of cities to regional biodiversity – insights from a large-scale systematic bird survey across urban, rural, and natural areas". The 6th European Congress of Conservation Biology (ECCB), Czech University of Life Sciences, Prague, Czech Republic, Aug 2022 (Oral).

Shwartz A., Denneboom D. and Bar-Massada A. "A large-scale analysis reveals unimodal and U-shaped effects of traffic volume on roadkill probability". The 6th European Congress of Conservation Biology (ECCB), Czech University of Life Sciences, Prague, Czech Republic, Aug 2022 (Oral).

*Finarov E., Meiri S., Roll U. and **Shwartz A.** "Catch me if you can: the effect of trapping on common myna abundance in protected areas". The 6th European Congress of Conservation Biology (ECCB), Czech University of Life Sciences, Prague, Czech Republic, Aug 2022 (Poster).

*Denneboom D., Bar-Massada A. and **Shwartz A.** "A large-scale analysis reveals unimodal and U-shaped effects of traffic volume on roadkill probability. 8th Conference of Infrastructure & Ecology Network Europe (IENE). University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania. Online conference, September 2022 (Oral).

*Denneboom D., Bar-Massada A. and **Shwartz A.** "A large-scale analysis reveals unimodal and U-shaped effects of traffic volume on roadkill probability". 1st Asia-Europe Transportation Ecology Forum. Online conference, November 2022 (Oral).

In Israel

Shwartz A. "Bird diversity in an urban park: the Yarkon Park as a case study". The 41st Conference of the Zoological Society of Israel, Haifa, December 2005 (Oral).

Shwartz A., Orchan Y. and Kark S. "Introduced birds in Israel and their impacts on the native bird community: The Tel Aviv Yarkon Park as a case study". 1st Meeting on Biological Invasions in Ecological Systems in Israel, Ben-Guion University, Beer-Sheva, January 2005 (Oral).

Shwartz A. "From East Asia to Israel: Starlings, mynas and parakeets invading the Holy Land". The 43rd Conference of the Zoological Society of Israel, Kfar-Saba, December 2006 (Oral).

*Tzunz M., Frenkel A. and **Shwartz A.** "The relationship between well-being and species richness: A case study in small public gardens in Netanya". Israel Planners Association - Annual Conference, Tel-Aviv, February 2016 (Oral).

*Segre H., Carmel Y., Zimroni H., Rotem D., Sinai Y. and **Shwartz A.** "Agro-ecological practices for the development of ecological corridors: Shared interest between framers and conservation biologists". The Annual Conference of the Israeli Society of Ecology and Environmental Science, Tel-Aviv, June 2016 (Oral).

Shwartz A. "Urban conservation – why? The value in conserving urban biodiversity in the scientific discourse". The Annual Conference of the Israeli Society of Ecology and Environmental Science, Tel-Aviv, June 2016 (Oral).

*Tzunz M., Frenkel A. and **Shwartz A.** "The relationship between well-being and species richness: A case study in small public gardens in Netanya". The Annual Conference of the Israeli Society of Ecology and Environmental Science, Tel-Aviv, June 2016 (Oral). **(Prize for best student talk)**.

*Segre H., Carmel Y., **Shwartz A.** "Biodiversity patterns in an agricultural landscape: Can uncultivated field-margins help conservation?". 1st Israeli Conference for Conservation Science, Sde Boker, April 2017 (Oral).

- *Tzunz M., Frenkel A. and **Shwartz A.** “One size does not fit all – the complex relationship between wellbeing and biodiversity”. 1st Israeli Conference for Conservation Science, Sde Boker, April 2017 (Oral).
- *Segre H., Carmel Y. and **Shwartz A.** “Winner and losers of non-crop habitats in agricultural landscapes”. Israel Zoological Society, December 2018, Ramat-Gan, Israel (Oral). **(2nd prize for best PhD student talk)**.
- *Colleony A., Levontin L. and **Shwartz A.** ““Smell flowers” – Priming as a tool to promote meaningful experiences of nature and increase well-being”. The Second Israeli Conference for Conservation Sciences, April 2019, Haifa Israel (Oral).
- *Segre H., Carmel Y. and **Shwartz A.** “Comparing costs-effectiveness of conserving non-crop habitats in agricultural landscapes at multiple scales”. The Second Israeli Conference for Conservation Sciences, April 2019, Haifa Israel (Oral). **(1st prize for outstanding interdisciplinary talk)**.
- *Geisler G. and **Shwartz A.** “Campsites in the Negev desert: How can we balance between their ecological impacts and the benefits they provide visitors?”. Israel Zoological Society, December 2019, Jerusalem, Israel (Oral). **(3rd prize for best MSc student talk)**.
- *Deneboom D., Bar-Massada A. and **Shwartz A.** “Factors influencing the way animals use wildlife crossings – systematic literature review and meta-analysis”. Israel Zoological Society, December 2019, Jerusalem, Israel (Oral).
- *Deneboom D., Bar-Massada A. and **Shwartz A.** “Factors influencing the way animals use wildlife crossings – systematic literature review and meta-analysis”. 48th Annual Conference of the Israel Society of Ecology and Environmental Sciences (ISEES). Online conference, October 2020 (Oral).
- *Simon R. and **Shwartz A.** “The potential of organic olive orchards to contribute to nature conservation while keeping high yield and profits for farmers”. 48th Annual Conference of the Israel Society of Ecology and Environmental Sciences (ISEES). Online conference, October 2020 (Oral).
- *Rekedzon-Dan N., Lissovsky N. and **Shwartz A.** “The experience of nature in nature reserves- Analysis of the planning discourse.” The annual conference for science and the environment, Expo Tel-Aviv, Tel Aviv, Israel, July 2022 (Oral).
- *Ventura L., Strubbe D. and **Shwartz A.** “The richness and diversity of species in urban green spaces is similar and even higher than in open areas - insights from a large-scale bird survey in the center of the Israel”. 50th Annual Conference of the Israel Society of Ecology and Environmental Sciences (ISEES). Tel Aviv, Israel, July 2022 (Oral).
- *Finarov E., Meiri S., Roll U. and **Shwartz A.** “Catch me if you can: the effect of trapping on common myna abundance in protected areas”. 50th Annual Conference of the Israel Society of Ecology and Environmental Sciences (ISEES). Tel Aviv, Israel, July 2022 (Oral).
- *Deneboom D., Bar-Massada A. and **Shwartz A.** “The effects of traffic volume and road attributes on roadkill probability for various species”. 50th Annual Conference of the Israel Society of Ecology and Environmental Sciences (ISEES). Tel Aviv, Israel, July 2022 (Oral).
- *Rekedzon-Dan N., Lissovsky N. and **Shwartz A.** “The experience of nature in protected areas.” The 3rd Israeli Conference for Conservation Science, the Steinhardt Museum of Natural History, Tel Aviv University, Tel Aviv, Israel, October 2022 (Oral).

*Deneboom D., Bar-Massada A. and **Shwartz A.** “Unimodal and U-shaped effects of traffic volume on roadkill probability”. 3rd Israel Conference for Conservation Science (ICCS). The Steinhardt Museum of Natural History, Tel Aviv, Israel, October 2022 (Oral).

PROFESSIONAL ACTIVITIES

Participation in organizing conferences

The Annual Symposium of Israel’s National Ecosystem Assessment Program (HaMaarag), held at the IDC Herzliya, February 2014, organizing committee.

1st Israeli Conference for Conservation Science, Sde Boker, April 2017, organizing and scientific committee.

2nd Israeli Conference for Conservation Science, Technion, April 2019, Chair, Organizing and Scientific committee.

Leading and co-organizing international workshops

1. “A systematic review of the impacts of parrots in Europe”. Workshop I co-led with Prof. Zoe Davies as part of COST-Action ES1304 at the University of Kent (UK), September 2014 (co-leading).
2. “The second meeting of COST-Action ES1304”. Seville (ES), October 2014 (co-organizing as leader of Work Package 1).
3. “The third meeting of COST-Action ES1304”. Heidelberg (DE), October 2014 (co-organizing as leader of Work Package 1).
4. “Parakeets risk assessment workshop”. I initiated and led the organization of this workshop as part of COST-Action ES1304 at the Paris Agro-Tech (FR), March 2015 (lead).
5. “Developing protocols for assessing parakeets’ damage to agriculture”. I initiated and led the organization of this workshop as part of COST-Action ES1304 at Tallinn (ES), July 2015 (lead).
6. “The fourth meeting of COST-Action ES1304”. Florence (IT), October 2015 (co-organizing as leader of Work Package 1).
7. “The fifth meeting of COST-Action ES1304”. Antalya (TK), March 2016 (co-organizing as leader of Work Package 1).
8. “The Sixth meeting of COST-Action ES1304”. Porto (PT), October 2016 (co-organizing as leader of Work Package 1).
9. “The Seventh meeting of COST-Action ES1304”. Gadot (IL), March 2017 (lead).
10. “Impacts of parakeets on society/economy/environment, and public perception”. ParrotNet conference”, Canterbury (UK), September 2017. (co-organizing as leader of Work Package 1).
11. “Developing methods to study motivations for participating in citizen science programs”. A workshop I co-led with Dr. Liat Levontin as part of citizen science COST-Action CA 15212, Vilnius, Lithuania, March 2017 (co-lead).

Services and engagement

(*Contributions of undergraduate students under my supervision)

Shwartz A. “Humans and nature in urban areas”. Conference about Urban Ecology at the Ministry of Construction and Housing of Israel, Beit-Shemesh, July 2019 (invited talk)

*Segre H. and **Shwartz A.** “Fields and field-margins: ecological and economic effects of alternative practices”. 5th Conference of the Israel Society of Crop and Vegetable Sciences, Rehovot, Israel, March 2018 (invited talk).

*Segre H. and **Shwartz A.** “Costs and benefits of implementing field-margins practice in Emek-Harod”. Agricultural Extension Service (Ministry of Agriculture) winter seminar, January 2018, Kefar-Blum, Israel (invited seminar).

Shwartz A. “Urban ecology – how and why we can protect nature in cities?”. Tel-Aviv Forum on Sustainability, Tel-Aviv, July 2016 (invited talk).

Shwartz A. “Urban ecology – how and why we can protect nature in cities?”. Tel-Aviv district planners meeting, Tel-Aviv, March 2016 (invited talk).

Shwartz A., Orchan Y. and S. Kark. “How can we maximize biological diversity in urban parks? Birds in the Yarkon Park as a case study” The 2nd Conference on Research and Innovations in the Ornamental Garden, Beit-Dagan, February 2007 (invited talk).

*Rekedzon-Dan N., Lisovsky N. and **Shwartz A.** “Planning for experience of nature in nature reserves - preliminary results” Experience in nature and heritage sites, Oranim Academic College of Education, Israel, May 2021 (Invited talk).

Service to the public (lectures)

“The biodiversity of unmanaged wastelands versus public managed gardens”, Natureparif: Friche urbaine et biodiversité, Saine-Saint-Denis (France), November 2011 (invited talk).

“Management of biodiversity in cities and its perception by city-dwellers”, Natureparif: La biodiversité en ville, Montreuil (France), May 2011 (invited talk).

“The invasion to the urban nature”, Conference of Biology Teachers, Rehovot (Israel), February 2007 (invited talk).

“Invasive bird species in Israel”, Ornithologist conference, Tel-Aviv (Israel), March 2005 (invited talk).

“Invasive bird species in Israel and the world”, the Nature is in Our Hands conference, Katzrin (Israel), March 2005 (invited talk).

Selected contribution in the media focusing on my academic work

“Haifa trees are cut down, and so wild boars roam the streets” (in Hebrew), Ynet, July 2014, available [here](#) (interview).

“Love them or loathe them, parakeets are actually considered invasive species”, International Innovation and Health Care, July 2014, available [here](#) (interview).

“Urban birds change their behaviors in the weekend” (in Hebrew), Zavit news agency for the Ecological Society of Israel, available [here](#) (interview).

“Citizens in white gowns” (in Hebrew), Ynet June 2015, available [here](#) (interview).

“Butterflies, birds and flowers contributes to well-being? Not so sure” Haaretz July 2016, available [here](#) (interview).

“The Nature Experience Fairytale” Jerusalem post December 2016, available [here](#) (interview).

Gilhar D., “ If birds, local species are disappearing in Israel” (in Hebrew), Erev Erev, Kan 11, available [here](#).

Ashkenazi S. “Good by Hoopoe: The invasive birds outcompete local species” (in Hebrew). Globes, December 2019, available [here](#) (news report).

Bengo Y. “Research: Strong decrease in the number of common birds in Israel, the invasive species take control” (in Hebrew). Maariv, December 2019, Available [here](#) (news report).

Rinat T. “New research confirms fears of impacting local species by invasive birds” (in Hebrew), Haaretz December 2019, available [here](#) (interview).

Koriel I. “Research: The invasive birds wins over the native ones” (in Hebrew), Ynet, December 2019, available [here](#) (news report).

Vered R. “The people who nurture the old olives trees in the Galilee” (in Hebrew), Haaretz, April 2020, available [here](#) (interview).