

RESUME

Full name: Assaf Shwartz
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Date of birth: 3 July 1977
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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 Evolution, Hebrew University of Jerusalem.

2004 BSc in Life Science and Geography, Hebrew University of Jerusalem (*with honors*).

ACADEMIC APPOINTMENTS

2014-present Assistant Professor (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, Department of Species conservation, restoration and population monitoring, National Natural History Museum (Paris, France).

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.

RESEARCH INTERESTS

Human's actions have pushed species to the brink of extinction and beyond resulting in a huge biodiversity crisis. My research explores how human activities influence biodiversity, but also how people can benefit from biodiversity conservation. My aim is to find substantial solutions for planning and managing of human-dominated and pristine environments for the mutual benefit of people and nature. This is a multi and interdisciplinary research which involves several disciplines such as ecology, geography, sociology, psychology, economy and landscape planning. Field of interest: urban ecology, conservation planning, ecosystem services and species invasion.

TEACHING EXPERIENCE

Design and supervision of new courses at the Technion

Urban Ecology, graduate (open for undergraduate at their fourth or fifth year), ~20 students.

Introduction of Landscape Ecology, undergrads, ~25 students.

Studio in landscape architecture 50, undergrads, ~15 students.

Landscapes of Israel, undergrads, ~15 students.

Introduction to ecology for Architects undergrads, ~ 15 students.

Field excursion for landscape architects, undergrads, ~85 students.

Teaching assistant

Ecology of plants of Israel, graduates and undergraduates, 40 students.

Conservation Ecology, graduates, 15 students.

DEPARTMENTAL ACTIVITIES

2014-Present Responsible for the Faculty Newsletter.

2014-Present Member in the Landscape Architecture committee.

2014-Present Observer in the Urban and Region Planning committee.

2015 Member in the Azrieli Foundation prize committee.

2016-2017 Member in the events committee of the faculty.

PUBLIC PROFESSIONAL ACTIVITIES

Editorial board

Since 2018 Editorial board of the journal “People and Nature” (British ecological society)

Review of scientific journals

Since 2018 Applied Geography

Since 2018 Ecological application

Since 2018 Revision of manuscript for Web Ecology.

Since 2017 Revision of manuscript for AMBIO.

Since 2017 Revision of manuscript for Journal of Environmental Monitoring and Assessment.

Since 2016 Revision of manuscript for Journal of Environmental Management.

Since 2016 Revision of manuscript for Biological Invasions.

Since 2016 Revision of manuscripts for Global Ecology and Biogeography.

Since 2015 Revision of manuscripts for Urban Ecosystems.

Since 2015 Revision of manuscripts for Landscape and Urban Planning.

Since 2014 Revision of manuscripts for Animal Biodiversity and Conservation.

Since 2014 Revision of manuscripts for Global Environmental Change.

Since 2013 Revision of manuscript for PlosOne.

Since 2013 Revision of manuscripts for Israel Journal of Zoology.

Since 2013 Revision of manuscript for Biological Conservation.

Since 2013 Revision of manuscript for Conservation Letters.

Review of grants

2018 Review of proposal for German-Israeli foundation (GIF)

2017 Review of proposal for the chief scientist in the ministry of agriculture and rural development on agro-ecology.

- 2016 Review of BiodivERsA proposal (funded under the Horizon 2020) on green infrastructures.
- 2016 Review of PSC-Mercator Fellowship Program (ETH Zurich) on maintaining plant biodiversity in cities.

MEMBERSHIP IN PROFESSIONAL SOCIETIES

- Since 2014 Member in the Zoological Society of Israel.
- Since 2014 The Israeli Association of Landscape Architecture.
- Since 2014 Member in the British Ecological Society.
- Since 2012 Member in the International Society for Conservation Biology (ICCB).
- Since 2011 Member in the European Ecological Federation and the French Society of Ecology.

FELLOWSHIPS, AWARDS AND HONORS

- 2018 Segre H. (PhD student) won the second place best student talk at the annual meeting of the Zoological society of Israel.
- 2017 Excellence in teaching.
- 2016 Tzunz M. (MSc student) won the best student talk at the Annual Conference of the Israeli Society of Ecology and Environmental Science.
- 2016 Excellence in teaching.
- 2015 Distinction in teaching.
- 2014 Excellence in teaching.
- 2013 European Thesis Prize on Biodiversity in Urban Spaces Nantes (France).
- 2011 Students' European Ecology Prize, The best oral presentation during the 12th EEF congress in Avila (Spain).

GRADUATE STUDENTS

PhD Theses in Progress

Hila Segre, 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. (After candidacy exam)

Danielle Bashan, 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. (After candidacy exam)

Dror Denbom, 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 Dr. Avi Bar-Massada (Haifa University) as co-supervisor (Before candidacy exam)

Lior Ventura, Nature-based Solutions in cities and their effects on biodiversity, PhD at the Faculty of Architecture and Town Planning. (Before candidacy exam)

Completed M.Sc Theses

Maya Tzunz, 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.

Roaxane Leverrier, 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.

Christiane Touati, 2010, the perception of biodiversity by Parisian city-dwellers, Master 2 at the University of Paris1-Sorbonne, with Prof. Laurent Simon as primary supervisor.

Iris Petitjean, 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. Julliard as primary supervisor.

Alexandre Jaillon, 2010, the relationship between biodiversity and management in Parisian gardens, Master 2 at the National Natural History Museum, with Prof. Julliard as primary supervisor.

M.Sc Theses in Progress

Gal Geisler, 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.

Raz Simon, 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.

Post-doctoral research associate

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| 2018 – present | Yael Teff-Seker, Farmer perception about agri-environmental practices. |
| 2017 – present | Agathe Colleony, Nature interactions and their influence on people's health, wellbeing and affinity to nature. (won Technion Fellowship grant) |
| 2014 – 2015 | Hagit Zimroni, Attitudes of farmers regarding the implementation of agro-ecological practices. |

RESEARCH GRANTS

Sponsored

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| 2018 | Israel Land Authority (the open spaces found), 200,000 NIS, Monitoring animal movement in ecological corridors as a tool to advance planning and management of corridors in intensive agricultural, PIs: Assaf Shwartz and Orr Spiegel (TA university) |
| 2018 | Israeli Nature and Park Authority, 93,600 NIS, Camping site in the Negev: How to plan campsites that reduce ecological impacts and maximize benefits to visitors?, PI: Assaf Shwartz |
| 2017 | Ramat Hanadiv, 40,000 NIS, Understanding and enhancing the experience of nature of visitors in "Ramat Hanadiv", PIs: Assaf Shwartz and Liat Levontin (Technion) |
| 2017 | GIF Young Scientists Program, 18,000 EUR, Unpacking the cause and consequences of the extinction of experience, PI: Assaf Shwartz. |
| 2016 | Cost-Action, ~750,000 EUR, Citizen Science to promote creativity, scientific literacy, and innovation throughout Europe, PIs: Katrin Vohland and Marisa Ponti. |
| 2016 | Ministry of Agriculture, 165,000 NIS, Agriculture areas as ecological corridors: exploring the ecological and economic implication of different planning and management scenarios in "Harod" valley as a case study, PI: Assaf Shwartz. |
| 2016 | 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: Dr. Assaf Shwartz |
| 2016 | Nekudat-Chen, 115,000 NIS (30,000 NIS from NPA), Cost benefit analysis of field margin practices in Emek Harod, PI: Assaf Shwartz. |

- 2015 Nekudat-Chen, 85,000 NIS (20,000 NIS from NPA), Perception of farmers on interventions to create ecological corridors in Emek Harod, PI: Assaf Schwartz.
- 2015 Municipality of Netanya, 30,000 NIS, The relationship between biodiversity and well-being, PI: Assaf Schwartz.
- 2013 Cost-Action, ~500,000 EUR, European network on invasive parakeets: Understanding invasion dynamics and risks to agriculture and society (ParrotNet), PI: Jim Groombridge.
- 2010 NatureParif (Ile-de-France), 30,000 EUR, Virtual Garden – a tools for assessing which biodiversity people want, PIs: Assaf Schwartz and Prof. Romain Julliard.
- 2010 Conseil général de Seine-Saint-Denis, 50,000 EUR, Wastelands a refuge for nature and people in cities, PIs: Dr. Audery Muratet and Dr. Assaf. Schwartz.

Pending

- 2018 ERC, 1,500,000 EUR, Beyond assuming co-benefits in Nature-based Solutions: Applying the niche concept for optimizing social and ecological outcomes. PI: Assaf Schwartz
- 2018 Ministry of Science, 800,000 NIS, Maximizing the benefits of citizen-science for long-term and large-scale butterflies monitoring, PI: Assaf Schwartz

PUBLICATIONS

Theses

Shwartz A.: "The interaction between people and biodiversity in the heart of a large metropolis." In LADYSS, CRBPO. Université de Paris1 Panthéon-Sorbonne, Museum National d'Histoire Naturelle, Paris, 2012.

Refereed papers in professional journals

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. (IF=3.65, Q1 in Urban Studies 1/39)
2. **Shwartz A.**, Strubbe D., Butler C. J., Matthysen E. and Kark S.: "A test of the role of the enemy release and climate hypotheses in shaping the invasion process of birds: The case of the Rose-ringed Parakeet (Psittacula krameri)." Diversity and Distribution 15, pp 310-318, 2009. (IF=4.56, Q1 in Biodiversity Conservation 5/57)
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. (IF=0.51, Q4 in Education, Scientific Disciplines 33/40)

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. (IF=3.95, Q1 in *Biodiversity Conservation* 7/57)

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. (IF=3.95, Q1 in *Biodiversity Conservation* 7/57)

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. (IF=3.06, Q1 in *Multidisciplinary Sciences* 11/62)

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. (IF=2.85, Q1 in *Biodiversity Conservation* 9/57)

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. (IF=3.95, Q1 in *Biodiversity Conservation* 9/57)

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. (IF=4.27, Q1 in *Biodiversity Conservation* 6/57)

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. (IF=3.95, Q1 in *Biodiversity Conservation* 7/57)

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. (IF=5.68, Q1 in *Environmental Studies* 2/104)

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. (IF=34.66, Q1 in *Multidisciplinary Sciences* 2/62)

13. 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, 2015. (IF=7.13, Q1 in *Biodiversity Conservation* 2/57)

14. 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. (IF=4.29, Q1 in *Biology* 11/86)
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, 2016. (IF=2.81, Q1 in *Agronomy* 11/83)
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. Lacoëuilhe A., Prévot AC., and **Shwartz A.**: "The social value of conservation initiatives where people work". Landscape and Urban Planning 157, pp 493 -501, 2017. (IF=3.65, Q1 in *Urban Studies* 1/39)
18. Turbé A., Strubbe D., Morid E., Carrete M., Chiron F., Clergeau P. González-Morenoi P., Le Louarn J.M., Luna A., Menchetti M., Nentwig W., Pârâu 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 (2017). (IF=4.56, Q1 in *Biodiversity Conservation* 5/57)
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 (2017). (IF=2.85, Q1 in *Biodiversity Conservation* 9/57)
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 (2017). (IF=2.85, Q1 in *Biodiversity Conservation* 9/49)
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 (2017). (IF=3.95, Q1 in *Biodiversity Conservation* 7/57)
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* (in press). (IF=8.32, Q1 in *Ecology* 5/150)
23. 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* (accepted). (IF=3.45, Q1 in *Biodiversity Conservation* 9/57)

Submitted papers:

24. Colleony A. and **Shwartz A.** From people to nature: shifting the paradigm in urban conservation. *Landscape and Urban Planning* (under review). (IF=4.99, Q1 in *Ecology* 16/160)
25. Colleony A., White R. and **Shwartz A.** How spending more time outside affects experience of nature and conservation attitudes: results from cross-cultural study in England, France and Israel. *Landscape and Urban Planning* (under review). (IF=4.99, Q1 in *Ecology* 16/160)
26. Segre H., Carmel Y., Segoli M., Tchetchik A., Renan I., Perevolostky A., Rotem D. and **Shwartz A.** Costs-effectiveness of wildlife-friendly practices for multiple taxa: a landscape scale approach. *Journal of Applied Ecology* (submitted). (IF=5.74, Q1 in *Biodiversity and Conservation* 4/57)

Refereed book chapters

27. **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

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., Duhayon G.: “Les services écosystémiques du parc naturel régional Scarpe-Escaut: Évaluation et approche prospective.” Submitted to Conseil régional du Nord Pas de Calais, 2014.

Shwartz A., Zimrony H., Sinai I. and Rotem D.: “Perception of farmers on interventions to create ecological corridors in Emek Harod”. Report to Nekudat Hen, Yad Hanadiv, 2016.

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 Hen, Yad Hanadiv, 2017.

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 Ministry of Agriculture, chief scientist fund, 2017.

Bashan D., Colleony 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.

Non-refereed book chapters

Shwartz A. (2016). *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 , 134-136.

Turbé A. and **Shwartz A.** (2016). 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 , 256-258.

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.

Other publications

Shwartz A. and Orchan Y.: "The quiet Invasion." Teva Hadvarim 121, pp 88-98, 2006 (in Hebrew).

Roll U., Belmenker Y., Bar-David S., Vidan E., Zaltz D., Yom-Tov Y., Levinsky I., Meiri S., Renann I., **Shwartz A.**, Spiegel O. and Bereger-Tal O. 2018. In nature conservation there is no compassion in non-action. Ecology and Environment, 3: 58-60. (in Hebrew)

CONFERENCES

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).

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 talk*).

Shwartz A. “Urban ecology: why should we conserve urban biodiversity and how?” the Annual meeting of Israel’s Landscape Architects association, held at Tel-Aviv University, October 2015 (invited talk).

Possinham 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”, 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”, Ministry of Agriculture: Regional ventures for agriculture environment, September 2017 (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.**: “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.: Agroecology symposium: Functions of biodiversity in Agroecology towards sustainable crop production, November 2018, Israel (Invited talk).

Departmental invited seminar talks

Abroad

Shwartz A. “The ecology of introduced species: feral parakeets in Israel as a case study”, University of Antwerp (Belgium), June 2005.

Shwartz A. “Winners and Losers in the Biotic Homogenization process”, Natural History Museum Paris (France), March 2008.

Shwartz A. “The interaction between people and biodiversity in a large metropolis”, DICE, University of Kent (UK), October 2012.

In Israel

Shwartz A. “People, biodiversity and their interaction in the urban environment”, Department of Zoology, Tel-Aviv University, January 2015.

Shwartz A. “People, biodiversity and their interaction in the urban environment”, Mitrani Department of Desert Ecology, Ben-Gurion University of the Negev, January 2015.

Shwartz A. “Nature conservation in cities: People biodiversity and their interactions.” Department of Geography, the Hebrew University of Jerusalem, November 2015.

Shwartz A. “One size does not fits all – the complex interaction between people and biodiversity in cities”, Department of Architecture and Town Planning, Technion, April 2016.

Shwartz A. “One size does not fits all – the complex interaction between people and biodiversity in cities”, Department Geography, Ben-Gurion University, November 2017.

Academic presentations in workshops as part of funded research

Abroad

“The first meeting of COST-Action ES1304”, Canterbury (UK), February 2014 (participant).

“A systematic review of the impacts of parrots in Europe”, a workshop organized as part of COST-Action ES1304 at the University of Kent (UK), September 2014 (leading).

“The second meeting of COST-Action ES1304”, Seville (ES), October 2014 (WG leader).

“The third meeting of COST-Action ES1304”, Heidelberg (DE), October 2014 (WG leader).

“Parakeets risk assessment workshop” a workshop I organized as part of COST-Action ES1304 at the Paris Agro-Tech (FR), March 2015 (leading).

“Citizen Science for analyzing trends of spread” a workshop part of COST-Action ES1304 at Sofia (BG), July 2015 (participant).

“Developing protocols for assessing parakeets’ damage to agriculture” a workshop I organized as part of COST-Action ES1304 at Tallinn (ES), July 2015 (leading).

“The forth meeting of COST-Action ES1304”, Florence (IT), October 2015 (WG leader).

“The fifth meeting of COST-Action ES1304”, Antalya (TK), March 2016 (WG leader).

“The Sixth meeting of COST-Action ES1304”, Porto (PT), October 2016 (WG leader).

“The Seventh meeting of COST-Action ES1304”, Gadot (IL), March 2017 (WG leader).

“Impacts of parakeets on society/economy/environment, and public perception”, ParrotNet conference”, Canterbury (UK), September 2017.

“Developing methods to study motivations for participating in citizen science programs”, Vilnius, Lithuania, March 2017 (Co-organizing the workshop)

Presentations (giving papers)

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 Bird 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).

Pett T., Shwartz A., Dallimer M. and Davies Z. G., “Nature and human well-being: The people biodiversity paradox”, the joint BES-DICE Symposium - Considering the Future of Conservation, Canterbury (UK), June 2014 (poster).

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).

Turbe A., Tollington S., Rabitsch W., Groombridge J., Roy H., Scalera R., Essl T., and Shwartz A.: “Can Europe unite to tackle invasive alien species?”, 8th international conference of biological invasions (NeoBiota), Antalya (TR), November 2014 (oral).

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).

White R.L, Strubbe D., Edelaar E. and **Shwartz A.**: “Assessing the impacts of alien and invasive parrots within Europe using a transparent and inclusive evidence-mapping framework”, 28th International Congress for Conservation Biology, Cartagena , (CO), July 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).

White R.L, Strubbe D., Edelaar E. and **Shwartz A.**: “Assessing the impacts of alien and invasive parrots within Europe using a transparent and inclusive evidence-mapping framework”, 28th International Congress for Conservation Biology, Cartagena , (CO), July 2017 (oral).

Smith B., Armsworth P., Crick C., Davies Z., Macgregor N., **Shwartz A.** and SykesR. “Is buying or renting land the best way to develop ecological networks on private land?” 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.

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.

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.

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.

Shwartz A.: “Designing for biodiversity in cities: Does biodiversity matters and for who?”, 2018 URBIO international conference on urban biodiversity and food security, September 2018, Cape-Town, South Africa.

Shwartz A. and Colleony A.: “Can walking dogs influence experience of nature and conservation attitudes? Results from a cross-cultural study”, 2018 URBIO international conference on urban biodiversity and food security, September 2018, Cape-Town, South Africa.

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”, first meeting on biological invasions in ecological systems in Israel, 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). **(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 **(2nd prize for best lecture).**

Participation in organizing conferences

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

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

SPECIAL PROFESSIONAL ACTIVITIES

Service to the profession

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 of 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).

Service to government agencies

Member of the scientific advising board of Israel’s National Nature Assessment Program (Hamaarag).

Member of the scientific committee of the botanical garden of Hebrew University, Jerusalem.

Leading of the expert committee for exploring how to restore the urban nature in Haifa in after the 2016 Fire, in collaboration with the municipality of Haifa, the association of landscape architects and the ecology and environment society.

Member expert committee on agro-ecology.

Member in the Ministry of environmental protection steering committee on integrating nature in cities (October 2014-December 2016).

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

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

Service to the public

“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, Rechovot (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).

OTHER

Journal article

“Haifa trees are cut down, and go wild boars roam the streets” (in Hebrew), Ynet, July 2014 (interview), <http://xnet.ynet.co.il/architecture/articles/0,14710,L-3106288,00.html>

“Love them or loathe them, parakeets are actually considered invasive species”, International Innovation and Health Care, July 2014 (interview), <http://www.internationalinnovation.com/avian-aggravation/>

“Urban birds change their behaviors in the weekend” (in Hebrew), Zavit the new agency for the ecological society of Israel (interview), <http://zavit.org.il/%D7%A9%D7%91%D7%99%D7%96%D7%95%D7%AA-%D7%99%D7%95%D7%9D-%D7%90-%D7%A9%D7%9C-%D7%94%D7%A6%D7%99%D7%A4%D7%95%D7%A8%D7%99%D7%9D/>

“Citizens in white gowns” (in Hebrew), Ynet June 2015 (interview), <http://www.ynet.co.il/articles/0,7340,L-4672297,00.html>

“Butterflies, birds and flowers contributes to well-being? Not so sure” Haaretz July 2016 (interview), <http://www.haaretz.co.il/wellbeing/health-blogs/environment/roibetlevi/1.3004877>

“The Nature Experience Fairytale” Jerusalem post Decemver 2016 (interview), <http://www.jpost.com/Magazine/The-nature-experience-fairy-tale-476227>

Roll U., Belmenker Y., Bereger-Tal O., Dor R., Zaltz D., Levinsky I., Meiri S., Renann I., **Shwartz A.** and Spiegel O. 2018. Compassion for non-native species can be cruel for local species. Haaretz Jun 2018 (in Hebrew). <https://www.haaretz.co.il/opinions/.premium-1.6193825>