

CURRICULUM VITAE

Name: Hila **SHAMOON**

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Date & place of birth: 19 May 1981; Rehovot, Israel

EDUCATION

Period of study (dates)	Name of University	Subject	Degree or Professional	Date of Award
2012-present	Tel Aviv University	Zoology	Ph.D	
2009-2012	Tel Aviv University	Zoology	M.Sc	2012
2005-2008	Tel Hai Academic Collage	Biotechnology and Environmental Sciences	B.Sc	2008

Title of Doctoral dissertation: **"Anthropogenic effects on the carnivore guild in an agro-rural-natural landscape "**.

Names of supervisors: Prof. T. Dayan, Tel Aviv University.
Prof. D. Saltz, Ben Gurion University.

Title of Master's thesis: **"The impact of logging and grazing on ant communities in the Mediterranean woodland- Ramat Hanadiv"**.

Names of supervisors: Prof. T. Dayan, Tel Aviv University.
Prof. A. Hefetz, Tel Aviv University.

Title of Bachelor Degree research project: **"The use of treated waste water irrigation in the west Upper Galil, Israel - a hazard to ground water"**.

Name of supervisors: Prof. M. Liteor, Tel Hai Academic collage.
Dr. O. Reichmann, Tel Hai Academic collage.

PROFESSIONAL EXPERIENCE

- 2011 – present Wildlife conservation and management, ecologist and zoologist– Ramat Hanadiv Nature Park
- Wildlife surveys and monitoring: point counts, road kill surveys, acoustic surveys, driver surveys, camera trap, animal sign surveys (scats, hair, tracks), vegetation surveys. Animal movement monitoring with GPS tags and radio telemetry.
 - Statistic and analysis skills: remote sensing (different sensors, methods (VI, classification), GIS analysis (data formats, spatial data handling), Species distribution models (SDMs: N-mixture models, GLM, RF, MaxEnt, GAM etc.), animal movement analysis, habitat and resource selection functions.
 - Wildlife rehabilitation and monitoring after release. Mostly rehabilitation of raptors.
 - Griffon vulture (*Gyps fulvus*) breeding program.
 - Lesser kestrel (*Falco naumanni*) breeding program.
 - Professional trainer and educator in work related workshops.
 - Manage budget.
- 2012 – present Ph.D. field and statistical analysis experience – Landscape ecology and conservation biology.
- Carnivore trapping and GPS tagging.
 - Scat DNA extraction of carnivore.
 - Developing individual recognition methods of tracks using track plats and forensic methods.
 - Camera trap sampling.
 - Statistical analysis as mentioned in the previous section.
 - Manage research budget.
- 2011-2012 Winter Pools Preservation Project ecologist at SPNI
- Project manager, ecologist, managing workers and volunteers, developing relationships with private and governmental land owners, developing educational program and citizen science platform, interface and advocacy work, .
- 2009-2012 M.Sc. Field and statistical experience.
- Entomology: taxonomic identification and classification, pitfall sampling and collection.
 - Woodland management effect on ant communities.

- Community ecology modeling.
- 2009-2012 Society for the Protection of Nature in Israel, Coast Ornithology Center
 - Ornithologist and field guide.
- 2007-2008 Green Course – Student for the environment, Tel Hai Collage, Head of Tel Hai department.
 - Managing budget, managing and recruiting volunteers, developing educational programs, initiating community environmental programs.
- 2006-2008 Migal research center, Environmental sciences, and field and lab technician.
 - Geological hydrological and chemical lab analysis for contaminants in soil and irrigation water.
- 2006-2008 Society for the Protection of Nature in Israel, the Northern Ornithology Center
 - Ornithologist and field guide. Participation in point count surveys for various species.

PROFESSIONAL TRAINING

- 2015 Animove: Animal Movement for Conservation, at the Smithsonian- Mason School of Conservation, April 13-24, 2015. Computational ecology, modeling, remote sensing and Geographic Information Systems (GIS).
- 2014 R programming, Tel Aviv University.
- 2013 Occupancy Estimation and Species Distribution Models, Hama'arag and Hebrew University.
- 2005 Ornithology course at the Northern Ornithology Center, Society for the Protection of Nature in Israel.

PRESENTATIONS AT SCIENTIFIC MEETINGS

- 2015 Temporal and spatial population fluctuations of medium sized mammals in a Mediterranean agricultural matrix. ICCB : 27th International Congress for Conservation Biology, Aug.2015
- 2015 New advancements in animal movement analysis. Ramat Hanadiv forum June 2015.

- 2014 Reviewing animal movement and activity in Ramat Hanadiv Nature Park and the surrounding area, Ramat Hanadiv forum Nov.2014.
- 2011 Monitoring ant communities in LTER Ramat Hanadiv station – adjusting to spatial autocorrelation errors. The 48th annual meeting of the zoological society of Israel.
- 2010 Goat grazing and wood removal impact on ant communities.
The 29th annual meeting of the entomological society of Israel.
- 2008 Potential ground water contamination due to treated waste water irrigation.
The annual meeting of Israel's ground and water society and agriculture engineering department.
- 2008 Who is responsible for ground water contamination in the western Upper Galil, Israel? The Netafim company annual research meeting.

E. ACADEMIC AND PROFESSIONAL AWARDS

- 2005-2008 Perach scholarship
- 2008 Green Course – Student for the environment scholarship 10,000 NIS.
- 2008 Netafim - smart drip and micro-irrigation solutions research award 5,000 NIS.
- 2008 Keren Kayemeth Lelsrael Jewish National Fund honors award 4,500 NIS.
- 2008-2010 M.Sc. fellowship, Department of Zoology, George S. Wise Faculty of Life Sciences Tel Aviv University.
- 2012- Doctoral fellowship, Department of Zoology, George S. Wise Faculty of Life Sciences, Tel Aviv University.
- 2012 Ramat Hanadiv Nature Park, the Rothschild foundation research fund 50,000 NIS.
- 2013 Ramat Hanadiv Nature Park, the Rothschild foundation research fund 50,000 NIS.
- 2014 Ramat Hanadiv Nature Park, the Rothschild foundation research fund 30,000 NIS.
- 2015 Ramat Hanadiv Nature Park, the Rothschild foundation research fund 72,000 NIS.
- 2014-2015 Smaller Winikov scholarship honors award, Keren Kayemet Leisrael, Porter School of Environmental Studies, 73,000 NIS.