

Curriculum Vitae Achik Dorchin

Achik Dorchin
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Research interests

Pollination ecology
Taxonomy and biogeography of bees (Hymenoptera, Apoidea)
Environmental effects of roads

University degrees

- 2009 Ph.D. candidate, Evolutionary and Environmental Studies, University of Haifa
Thesis: Effects of habitat fragmentation on bee and plant diversity along Israel's coastal plain
- 2007 M.Sc., Evolutionary and Environmental Studies, University of Haifa
(*magna cum laude*)
Thesis: Road runoff and their effects on biological systems
- 2003 B.Sc., Biology, Tel Aviv University

Academic awards and distinctions

- 2011 Scientific training travel grant, The Israeli Taxonomy Initiative (ITI), Tel Aviv University.
- 2011 Scientific training travel grant, Department of Evolutionary and Environmental Biology, University of Haifa.
- 2010 2nd prize for best lecture on the 29th Annual Meeting of the Entomological Society of Israel
- 2010 Scientific training travel grant, Graduate Studies Authority, University of Haifa.
- 2010 Scientific field survey grant, Israel Nature and Park Authority.
- 2008 Scientific conference travel grant, Department of Evolutionary and Environmental Biology, University of Haifa.
- 2007 The Dean's award for excellence in the Faculty of Natural Sciences, University of Haifa.

Research travel

- November 2006 Entomological collecting trip in South Africa, Zimbabwe, Mozambique and Zambia.
- October 1995 Entomological collecting trip in Kenya and Tanzania.

Teaching experience

- 2005-2010 *Zoogeography of Vertebrates and Geobotany of Israel*, Dept. of Biology Teaching, Faculty of Natural Sciences, University of Haifa – Oranim campus (Teaching Assistant).
- 2005-2009,
2011-2012 *Organisms in Their Natural Habitats*, Dept. of Biology Teaching, Faculty of Natural Sciences, University of Haifa - Oranim campus (Teaching Assistant).

2008 *Pollination workshop in Mt. Meron*, Dept. of Biology Teaching, Faculty of Natural Sciences, University of Haifa - Oranim campus (Teaching Assistant).

Additional Research experience

2007-2008 *Underwater Vision Characteristics of Great Cormorants (*Phalacrocorax carbo*)* Dept. of Biology Teaching, Faculty of Science and Science Education, University of Haifa – Oranim campus (Research Assistant).

2007-2008 *Obstruction of Roads on Movement of the African Cotton Leafworm (*Spodoptera littoralis*)* Dept. of Biology Teaching, Faculty of Science and Science Education, University of Haifa – Oranim campus (Research Assistant).

Active participation in symposia and meetings

December 2011 48th Annual Meeting of the Israeli Zoological Society, Tel-Aviv, Israel.

October 2011 30th Annual Meeting of the Entomological Society of Israel, Sede Boqer, Israel.

June 2011 39th Annual Meeting of the Israel Society for Ecology and Environmental Quality Sciences, Megiddo Regional Council, Israel.

December 2010 47th Annual Meeting of the Israeli Zoological Society, Jerusalem, Israel.

October 2010 29th Annual Meeting of the Entomological Society of Israel, Agricultural Research Organization (ARO), Bet Dagan, Israel.

July 2008 22nd Annual Meeting of the Society for Conservation Biology, Chattanooga, Tennessee, USA.

June 2007 35th Annual Meeting of the Israel Society for Ecology and Environmental Quality Sciences, Rehovot, Israel.

December 2006 43rd Annual Meeting of the Israeli Zoological Society, Tel-Aviv, Israel.

Professional training and participation in scientific workshops

August 2011 Training in entomological taxonomy and classification at the University of Neuchâtel, Neuchâtel, Switzerland (the bee genus *Megachile* Latreille [Megachilidae] in the Palaearctic, Dr. Praz C.).

January 2011 Training in entomological taxonomy and classification at the ETH University, Zurich, Switzerland (the bee tribe *Osmiini* [Megachilidae] in the Palaearctic, Dr. Müller A.).

September 2010 Training in entomological taxonomy and classification at the Biology Center of the Upper Austrian State Museums, Linz, Austria (the bee genus *Nomada* Scopoli [Apidae], Schwarz M.).

November 2009 Training in entomological taxonomy and classification at the University of Haifa, Israel (the bee tribe *Anthophorini* [Apidae] in the Palaearctic, O'Toole C.).

September 2009 Training in entomological taxonomy and classification at the University of Mons-Hainaut, Belgium (the bee genera *Melitta* Kirby [Melittidae], *Systropha* Illiger [Halictidae], Dr. Michez D.; *Panurgus* Panzer [Andrenidae], Dr. Patiny S.; *Ceratina* Latreille [Apidae], Dr. Terzo M.; and *Eucera* Scopoli [Apidae], Risch S., [in Leverkusen, Germany] in the Palaearctic).

March 2009 Workshop on entomological taxonomy and classification at the Faculty of Agriculture, Food and Environment, Rehovot, the Hebrew University of Jerusalem (The bee genera of Israel, Dr. Patiny S.).

February 1996 Workshop on entomological taxonomy and classification (the families of Palaearctic and Subsaharan Beetles, Werner K.), and participation in entomological exhibitions in Germany, the Check Republic and Austria.

Peer-reviewed papers

- Dorchin A., Filin I., Izhaki I. and Dafni A., 2012. Movement patterns of solitary bees in a threatened fragmented habitat (in review).
- Dorchin A and Shanas U., 2012. *Daphnia magna* indicate severe toxicity of highway runoff (in review).
- Dafni A., Marom-Levy T., Jürgens A., Dötterl S., Shimrat Y., Dorchin A., Kirkpatrick E. and Witt. T., 2012. Ambophily and "super generalism" in *Ceratonia siliqua* (Fabaceae) pollination. In: Evolution of plant-pollinator relationships. Patiny S., Ed. Cambridge University Press, New York.
- Dorchin A and Shanas U., 2010. Assessment of pollution in road runoffs using a *Bufo viridis* biological assay. Environmental Pollution 158:3626-3633.