

OREN PEARLSON - Curriculum Vitae

July, 2023

A. Personal Details

- Full name: Oren Pearlson
- Date of birth: 7/10/1963
- Country of birth: Israel
- Citizenship: Israeli, British
- ID number: 058294158
- Family status: Married + 2
- Full home address: Kibbutz Yachad, M.P. Misgav, 2019300
- Home phone: 04-6782371; mobile phone: 050-5981006
- Work address: Tel Hai College, Upper Galilee, 1220800; Phone: 04-8181923
- E-mail address: orenperl@telhai.ac.il



B. Higher Education

- 1995-1998: B.Sc. degree in Environmental Studies and Biotechnology,
Specialization in Environmental Studies
Tel Hai College (Israel).
- 1998-2001: M.Sc. degree in Agriculture and Environmental Quality Science,
Plant pathology and microbiology Department.
Specialization in Microbial Degradation of PAH during Composting.
The Hebrew University of Jerusalem – Faculty of Agricultural, Food
and Environmental Quality Sciences (Israel).
Research work was conducted in MIGAL – Kiryat-Shmona
- 2001-2004: Preliminary research for the Ph.D. program
**Ecological and Genetic characterization of *Triturus vittatus vittatus*
populations in Northern Israel**
- 2004-2012: Ph.D. program, **Ecology and Conservation Genetics of the
Banded Newt *Triturus vittatus vittatus* in Northern Israel**. Institute of
Evolution and Department of Evolutionary and Environmental Biology,
Faculty of Sciences and Science Education, University of Haifa (Israel).

Ph.D. Thesis Approved 19/3/2012.

Research work was conducted in MIGAL – Kiryat-Shmona

2013-2015: Post-Doctoral Training in Earthworm Ecology and Taxonomy,
Institute of Evolution, Haifa University (Israel), under the supervision of

Dr. Tomas Pavlíček.

C. Academic Appointments and Academic Administrative Positions in Institutions of Higher Education

Academic Appointments

2007 – Deputy Teacher level B, Tel Hai College, Biotechnology

2009 – Teacher, Tel Hai College, Biotechnology

2019 – Senior Teacher, Tel Hai College, Animal Sciences

D. Teaching in Academic Institutions (*= since the last promotion)

Tel Hai College

1999 – Present: Environmental Biotechnology Lab. - Assistant

1999 – Present: Fermentation Lab. - Assistant

2001 – Present: From Cell to Organism Lab. - Lecturer

2005 – Present: Environmental Biotechnology course – Lecturer

2008 – 2014: From Cell to Organism course – vertebrates – Lecturer

2008 – 2015: Introduction to Ecology course – Lecturer

2013 – Present: Zoology Lab. Vertebrates – Assistant

2013 – Present: Zoology Lab. Invertebrates – Lecturer

2014 – Present: Evolution of the Digestive System – Lecturer

E. Supervision of Graduate Students (*= since the last promotion)

2012 – 2013. Tel Hai College, M.Sc. in Biotechnology, Learning-Track. Merav Sosnovik. Thesis title: "The molecular diversity between populations of *Capoeta damascina* – "Damascus barbell", in the Hermon River (Banias), Dan River, Senir River (Hazbani) and the Jordan. Tel Hai College. Co-advisor, G. Degani.

2019 – 2020. Tel Hai College, M.Sc. in Biotechnology, Rona Biber. Thesis title: "Presence of Black Soldier Fly (*Hermetia illucens*) Larvae Influence Seeds Germination". Tel Hai College, Co-adviser, D. Goldberg, A. Jonas-Levi, H. Eizenberg.

F. Research Grants (*= since the last promotion)

*2021-2023: “**Monitoring the Hula Project**”. 2 years with option for 4 years extension, PI. From JNF (KKL – 20/185/52). 385,110 NIS for every year.

2013 –2016: “**Biological diversity in the conifer forest in Israel: The use of different bioindicators to examine the effects of forest management**”. PI. From JNF (KKL). 445,000 NIS (127,150\$). In Collaboration with Dr. Tomáš Pavlíček (Institute of Evolution, Haifa University), Dr. Jean-Jacques Martinez (Tel Hai College), Dr. Ori Fragman-Sapir (Jerusalem Botanical Gardens), Dr. Yagil Osem (Agricultural Research Organization, Volcani Center).

2014 – 2015: “**Earthworms survey in planted coniferous forest**”. PI. From “HaMaarag” - Israel’s National Ecosystem Assessment Program. 10,000 NIS (2860\$). In Collaboration with Dr. Tomáš Pavlíček (Institute of Evolution University of Haifa).

2016 – 2018: “**Biological diversity in the conifer forest in Israel: The use of different bioindicators to examine the effects of forest management**”. PI. From Israel Land Authority. 400,000 NIS (105,270\$). In Collaboration with Dr. Tomáš Pavlíček (Institute of Evolution, Haifa University), Dr. Jean-Jacques Martinez (Tel Hai College), Dr. Ori Fragman-Sapir (Jerusalem Botanical Gardens), Dr. Yagil Osem (Agricultural Research Organization, Volcani Center), Prof. Segula Masaphy (Tel Hai College), Dr. Yael Mandelik (The Hebrew University of Jerusalem).

G. Awards and Fellowships

H. Active Participation in Conferences (*= since the last promotion)

1. **Pearlson O.**, Blaustein L., Goldberg D. and Degani G. 2005. *Molecular DNA Variation and Mitochondrial Sequence Analysis of Triturus Vittatus Vittatus (Urodela) from Breeding Sites at Various Altitudes in the Southern Limit of its Distribution*. FISEB Federation of the Israel Societies For Experimental Biology, February 7-10, 2005 Eilat, Israel.
2. Goldberg T., **Pearlson O.** and Degani G. 2005. *Molecular DNA Variation and Mitochondrial Sequence Analysis of Salamandra Inframaculata Populations from Various Habitats in Xeric Area*. Israel Society for Ecology and Environmental Quality Sciences, International Conference, May 30 – June 1, 2005, Weizmann Institute of Science, Israel.

3. **Pearlson O.**, Blaustein L., Goldberg D. and Degani G. 2005. *Ecological and Genetic Characterization of Triturus Vittatus Vittatus (Urodela) from Breeding Sites at Various Altitudes in the Southern Limit of its Distribution*. Herpetology Seminar, October 20, 2005, Sde Boker, Israel.
4. **Pearlson O.**, Blaustein L., and Degani G. 2006. *Development of the Banded Newt, Triturus vittatus vittatus (Urodela) in Breeding Sites of Various Environmental Conditions*. 42nd meeting of The Zoological Society of Israel, January 1, 2006, Rehovot, Israel.
5. **Pearlson O.** and Degani G. 2007. *The Biology and Life History of Triturus v. vittatus (Urodela) at Various Habitats and Breeding Sites*. 14th European Congress of Herpetology, September 19-23, 2007, Porto Portugal.
6. **Pearlson O.**, Jacson K. and Degani G. 2007. *Gonadal cycle in males and females of Triturus vittatus vittatus (Urodela) from the southern limit of its distribution*. 43rd meeting of The Zoological Society of Israel, December 17, 2007, Rannana, Israel
7. **Pearlson O.**, Gertman O. and Degani G. 2008. *Genetic Variation in Triturus vittatus vittatus from Different Populations as Determined by Amplified Fragment Length Polymorphism*. Documenting, Analyzing and Managing Biodiversity in the Middle East. October 20-23, 2008, Aqaba, Jordan.
8. Degani G, Yom-Din S., Goldberg T. and **Pearlson O.** 2009. *Genetic Variation among Various Populations of Spadefoot Toads (Pelobates syriacus, Boettger, 1869) at Breeding Sites in Northern Israel*. 11th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions. September 21-25, 2009, Natural History Museum of Crete (NHMC) (University of Crete).
9. Degani G., Yom-Din S., Goldberg T. and **Pearlson O.** 2009. *Molecular DNA Variation in Rana ridibunda from Various Breeding Sites in Northern Israel*. 11th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions. September 21-25, 2009, Natural History Museum of Crete (NHMC) (University of Crete).
10. Degani G. and **Pearlson O.** 2010. *Ecology and Conservation Genetics of the Endangered Banded Newt Triturus vittatus vittatus in Northern Israel*. 7th Ser European Conference on Restoration Ecology, 23-27 August 2010, Avignon, France.

11. **Pearlson O.**, Cohen T., Osem Y., Zangy E., Zoref C. and Pavlíček T. 2016. *Earthworm populations in mature Pinus halepensis forest subjected to different forestial thinning treatments*. 7th International Oligochaeta Taxonomy Meeting (7th IOTM), 6-13 November 2016. University of Rennes, Biology Station Paimpont, France.
12. **Pearlson O.**, Vorobyov A., Pavlíček T. 2018. *Preliminar Data on Genetic Structure of Earthworm Populations from different Regions in Israel, in Dendrobaena veneta and Aporrectodea rosea*. 1st International Earthworm Congress (IEC 1), Shanghai, China. June 24-29, 2018.

Invited lectures (*= since the last promotion)

1. **Oren Pearlson**. 2013. *Triturus Vittatus Vittatus (Urodela): Ecological and Genetic Findings from Populations in Breeding Sites at the Southern Limit of its Distribution*. 15 February 2013, French Guiana, Kourou, Ecologie des Forets de Guyane (Ecofog), Campus agronomique.

I. **Non-Academic Activity & Positions** (*= since the last promotion)

- 2009 - 2012: Head of Department - Agriculture and Livestock, Tel Hai Rodman College.
- 2015- 2020: Member of the Academic Faculty staff Committee.
- *2021- Director of the research authority.

J. **Attached Documents**

K. **Publications** (*= since the last promotion)

1. 2002, M.Sc. Thesis - **The fate of organic pollutants during sewage sludge composting**.
Suprvisors: Prof. Carlos dosoretz, Prof. Yitzhak Hadar.
2. 2012, Ph.D. Thesis - **Ecology and Genetic Variance of the Banded Newt *Triturus vittatus vittatus* in Northern Israel**.
Suprvisor: Prof. Gad Degani
3. **Book**:
4. **Edited book**:
5. **Articles in refereed journals** (*= since the last promotion)
Published:

1. Jackson K., Hurvitz A., Yom Din S., Goldberg G., **Pearlson O.**, Degani G. and Levavi-Sivan B. 2006. *Anatomical, hormonal and histological descriptions of captive Russian sturgeon (Acipenser gueldenstaedtii) with intersex gonads*. General and Comparative Endocrinology. 148:359–367. Impact Factor of 2.487. Category Name: ENDOCRINOLOGY & METABOLISM 44/93 (2006, JCR). No. of Citations, 23.
2. **Pearlson O.**, Jackson K., and Degani. G. 2007. *The Gonadal Cycle in Males and Females of Triturus vittatus vittatus (Urodela) from the Southern Limit of Its Distribution*. Progrese și Perspective in Medicina Veterinară” - Lucrări științifice. 50:227- 233.
3. **Pearlson O.** and Degani. G. 2007. *Triturus v. vittatus (Urodela) Larvae in Various Breeding Sites In Israel*. Progrese și Perspective in Medicina Veterinară” - Lucrări științifice. 50:214-226.
4. Goldberg T., **Pearlson O.**, Nevo E., and Degani G. 2007. *Mitochondrial DNA analysis of Salamandra infraimmaculata larvae from habitats in northern Israel*. Progrese și Perspective in Medicina Veterinară” - Lucrări științifice. 50:23-31.
5. **Pearlson O.** and Degani G., 2007. *Molecular DNA Variation among Triturus vittatus vittatus (Urodela) from Different Breeding Sites at the Southern Limit of Its Distribution*. Acta Herpetologica 2:69-77. Impact Factor of 0.488 (2010, SCI). Available at:
<http://www.fupress.net/index.php/ah/article/view/2219/2140>
6. **Pearlson O.** and Degani. G., 2008. *The life history of Triturus v. vittatus (Urodela) in various habitats*. Asiatic Herpetological Research. 11:91–95. Impact Factor of 0.294 (2011, SCI). Available at:
https://www.researchgate.net/publication/259932507_30_Pearlson_O_Degani_G_2008_The_Life_History_of_Triturus_v_vittatus_Urodela_in_various_habitats_Asiatic_Herpetological_Research_1191-95
7. Goldberg T., **Pearlson O.**, Nevo E., and Degani G. 2009. *Sequence analysis of mitochondrial DNA in Salamandra infraimmaculata larvae from populations in Israel*. South American Journal of Herpetology. 4:268-274. Impact Factor of 0.83 (2010, RG).
8. **Pearlson O.**, Blaustein B., Snir S., Goldberg G. and Degani G. 2010. *Molecular variation in Triturus vittatus vittatus (Urodela) from breeding*

sites near the southern extremity of its distribution revealed by DNA sequencing of mitochondrial cytochrome b gene and control region. *Current Herpetology*. 29:11-22. Impact Factor of 0.51. (2010, RG). No. of Citations, 1. Available at:

https://www.researchgate.net/publication/247887192_Molecular_Variation_in_Triturus_Vittatus_Vittatus_Urodela_from_Breeding_Sites_Near_the_Southern_Extremity_of_Its_Distribution_Revealed_by_DNA_Sequencing_of_Mitochondrial_Cytochrome_b_Gene_and_Control

9. **Pearlson O.** and Degani G. 2011. *Water and ecological conditions of striped newt, Triturus v. vittatus (Urodela), breeding sites at various altitudes near the southern limit of its distribution.* *Herpetologica Romanica*. 5:27-42.
 10. Pavlíček T., Cohen T., Yadav Sh., Glasstetter M., Král P., **Pearlson O.**, 2016. *Aneuploidy Occurrence in Oligochaeta.* *Ecology and Evolutionary Biology*. 1: 57-63. Available at:
https://www.researchgate.net/publication/311981662_Aneuploidy_Occurrence_in_Oligochaeta
 11. Csuzdi C., **Pearlson O.** and Pavlíček T. 2017. *New Acanthodrilus species from New Caledonia (Clitellata, Megadrili, Acanthodrilidae).* *Journal of Natural History*, 51:31-32. Impact Factor of 0.834. Category Name: BIODIVERSITY CONSERVATION 35/54; ECOLOGY 123/153 (2017, JCR). Available at:
<http://www.tandfonline.com/doi/full/10.1080/00222933.2017.1355500>
 12. *Lone AR., Tiwari N., Thakur SS., **Pearlson O.**, Pavlíček T. and Yadav S. 2020. Exploration of four new Kanchuria sp. of earthworms (Oligochaeta: Megascolecidae) from the North Eastern Region of India using DNA barcoding approach. *Journal of Asia-Pacific Biodiversity*, 13:268-281. Available at:
<https://doi.org/10.1016/j.japb.2020.02.004>
 13. Pavlíček T., Szederjesi T., **Pearlson O.**, and Csuzdi C. 2023. Biodiversity and distribution of earthworms in the biogeographic province of the Levant. *Zoology in the Middle East*, 69:394–409. Available at:
<http://dx.doi.org/10.1080/09397140.2023.2279360>
6. Patents
 7. Chapters in Edited book:

1. Pavlíček T., **Pearlson O.**, Cohen T., Mısırlıoğlu M., Yadav S., Král P. and Glasstetter M. 2017. *Earthworms: Types, Roles and Research. Chap. One: Evolution and Life of Oligochaetes*. Editor, Horton C. G. Nova Science Publishers Inc. N.Y. USA.
8. Refereed conference proceedings (*= since the last promotion):
 1. Pavlíček, T., Hadid Y., Cohen T., Glasstetter M., Snir S., Mısırlıoğlu M., **Pearlson O.**, Yadav Sh., Csuzdi Cs. and Král P. 2014. “*Opening Pandora’s Box*”: II. *Segmentation and evolution of hermaphroditic annelids*. Advances in Earthworm Taxonomy VI (Annelida: Oligochaeta) Proceedings of the 6th International Oligochaeta Taxonomy Meeting (6th IOTM), Palmeira de Faro, Portugal, April 22-25, 2013. *Zoology in the Middle East*, 2014. 038–049, Kasperek Verlag, Heidelberg. Available at: https://www.researchgate.net/publication/270158143_Opening_Pandora's_Box_II_Segmentation_and_evolution_of_hermaphroditic_annelids
9. Other articles (in collections or non-refereed journals)
10. Articles in preparation:
- L. Miscellaneous
 - Supervision of final research projects of Under Graduate Students at Tel Hai (*= since the last promotion):
 1. 2016-2017. Tel Hai College, B.Sc. in Animal Sciences. Yaara Kenet. Project title: "Birds as transfer vectors of Earthworms cocoons". Tel Hai College.
 2. 2016-2017. Tel Hai College, B.Sc. in Animal Sciences. Ella Lahav. Project title: "Survey of Earthworm species and abundance in different agricultural land use in the Hula Valley". Tel Hai College.
 3. 2016-2017. Tel Hai College, B.Sc. in Animal Sciences. Maayan Franco. Project title: "Survey of Earthworm species and abundance in different type of land in the Hula Valley". Tel Hai College.
 4. 2017-2018. Tel Hai College, B.Sc. in Biotechnology. Alexandra Veroviov. Project title: "Genetic diversity and population genetic structure of earthworms from different populations in Israel". Tel Hai College.
 5. 2017-2018. Tel Hai College, B.Sc. in Biotechnology. Guy Sivan. Project title: "The consequences of ectomycorrhizal spore homogenization by

- earthworms on the growth of pine seedlings and the diversity of their associated mycorrhizal fungi". Tel Hai College. Co-advisor Hagai Shemesh.
6. 2018-2019. Tel Hai College, B.Sc. in Animal Sciences. Oriya Shushani Gvion. Project title: "How does concentration and dispersion of resources effect Earthworms decision?". Tel Hai College. Co-advisor Hagai Shemesh.
 7. *2020-2021. Tel Hai College, B.Sc. in Biotechnology. Roei Cohen. Project title: "Do Earthworms have preferences between ecological niches in the forests of the Naftali Mountains?". Tel Hai College.
 8. *2020-2021. Tel Hai College, B.Sc. in Animal Sciences. Uriyah Venechiane. Project title: " The effect of soil and plant composition on the richness and diversity of species of spiders ". Tel Hai College.

M. References:

1. RNDr. Tomas Pavlíček, PhD.
Senior scientist,
Institute of Evolution, University of Haifa, Mt. Carmel, Haifa 31905, Israel
Fax: +972-4-8246554, Tel: +972-4-8240605,
Email: pavlicek@research.haifa.ac.il