

February, 2014

CURRICULUM VITAE

1. Personal Details

Name: **IDO TSURIM**

Date and Place of Birth: November 5th, 1971, Beer-Sheva, Israel

Citizenship: Israeli

Address at work: Achva Academic College, M.P. Shikmim, 79800 and
The Department of Life Sciences,
Ben-Gurion University of the Negev, P.O. Box 653,
Be'er-Sheva, Israel 84105

E-mail: tsurim@gmail.com

2. Education

Post-Doc 2006-2011: Ben-Gurion University of the Negev, Department of Life Sciences.
Mosquito Ecology and Integrated Biological control.
Supervisor: Prof. Yoel Margalith.

Ph.D. 2000-2006: Ben-Gurion University of the Negev, Department of Life Sciences.
Thesis: Diversity and Composition of Wintering Bird Assemblies in a
Semi-Desert Scrubland.
Supervisors: Prof. Zvika Abramsky and Prof. Burt Kotler.

M.Sc. 1998-2000: *cum laude* Ben-Gurion University of the Negev, Department of Life
Sciences.
Thesis: Diversity and Composition of Wintering Bird Assemblies in a
Semi-Desert Scrubland.
Supervisors: Prof. Zvika Abramsky and Prof. Burt Kotler.

B.Sc. 1994-1997: *cum laude* Ben-Gurion University of the Negev, Department of Life
Sciences.

3. Employment History

2011-present Lecturer, Department of Life Sciences, Achva Academic College.

2011-present Adjunct Lecturer and research scientist, Department of Life Sciences, Ben-
Gurion University.

2012-present Adjunct Lecturer, Department of Life Sciences, Open University.

2013-present Adjunct Lecturer, Sapir College.

2009-2011: Adjunct Lecturer, Department of Life Sciences, Achva Academic College.

2006-2010: Center for Biological Control (CBC), Department of Life Sciences, Ben-
Gurion University.

2005-2009: Teaching Assistant, Department of Life Sciences, Achva Academic College.

1998-2004: Teaching Assistant, Department of Life Sciences, Ben-Gurion University.

4. Professional Activities

(a) Previous Research and Development Activities

1. Main research focused on evolutionary and ecological aspects of bird communities in semi-desert and urban ecosystems.
2. Animal foraging ecology.

(b) Present Research and Development Activities

1. Main research: ecological and evolutionary aspects of mosquito and house fly habitat selection, distribution, dispersal, and population dynamics, and their application to integrated, environment-friendly pest management methodologies.
2. Ecological aspects of Killifish with respect to their reproduction and application to mosquito control.
3. Leishmaniasis control by managing the vector (Phlebotomine sand fly) - host (mammals) interface.

(c) Membership in scientific societies

- 2013: Zoological Society of Israel
- 2013: The Israel Society of Ecology and Environmental Science
- 2011-2012: The Entomology Society of Israel.
- 2008-11: American Mosquito Control Association
- 1998-2006: Zoological Society of Israel

(d) Refereeing manuscripts for international peer-reviewed periodicals:

1. 2003: for Ecology
2. 2004: for Journal of Applied Ecology
3. 2005: for Israel Journal of Zoology
4. 2006: for Israel Journal of Ecology and Evolution
5. 2008: for Urban Ecosystems
6. 2009: for Israel Journal of Ecology and Evolution
7. 2012: for PLoS ONE
8. 2012: for Israel Journal of Ecology and Evolution
9. 2013: for Journal of Vector Ecology
10. 2014: for Israel Journal of Ecology and Evolution

(e) Refereeing competitive grant proposal:

1. January 2007: for US-Israel Binational Science Foundation (BSF).
2. March 2007: for US-Israel Binational Science Foundation (BSF).
3. April 2012: for Israel Science Foundation (ISF).
4. November 2013: for the Ministry of science, technology and space (two grants).

(f) Professional consulting

2014 Private organization (confidential). Subject: evaluation and development of environment friendly mosquito larvicides.

2007-present Nature and Parks Authority. Subject: conservations, avian ecology, risk assessment, Biological control.

5. Educational activities

(a) Courses taught:

| | | |
|-----------------|-------------------------------------|---|
| 2009 - present: | Introductory Statistics | Achva Academic College |
| | Introductory Ecology | Achva Academic College |
| | Evolution | Achva Academic College |
| | Probability for Biology Students | Achva Academic College |
| | Computer application | Achva Academic College |
| 2009 - present: | Introductory Statistics | Department of Life Sciences, Ben-Gurion University |
| 2013 - present: | Introductory Statistics | Sapir College. |
| 2012 - present: | Biology of terrestrial vertebrates. | The Open University |

(b) Research students

1. Amir Gilad – 2008. B.Sc. graduation project. The Influence of Predation Risk on Patch-Use Behavior of House Sparrow (*Passer domesticus*). Department of Life Sciences, Ben Gurion University. Supervised jointly with Prof. Zvika Abramsky and Prof. Burt Kotler
2. Shira Elazary – 2008. B.Sc. graduation project. Predation cost, the Marginal Value of Food and Seed-Patch Utilization by House Sparrows (*Passer domesticus*). Department of Life Sciences, Ben Gurion University. Supervised jointly with Prof. Zvika Abramsky and Prof. Burt Kotler.
3. Noam Sirota – 2011. B.Sc. graduation project. The effect of age and past reproduction on mosquito oviposition site selection. Dept. of Life Sciences, Ben-Gurion University. Supervised jointly with Dr. Ofer Ovadia.

4. Sivan Shilo – 2011. B.Sc. graduation project. Biocontrol of Vector Mosquitoes (*tentative title*). Dept. of Life Sciences, Ben-Gurion University. Supervised jointly with Dr. Uri Abdu.
5. Boris Litvin – 2011. B.Sc. graduation project. Density-dependant environmental consequences to life history traits of the mosquito *Ochlerotatus caspius* (*tentative title*). Dept. of Life Sciences, Achva Academic College.
6. Raisa Zakharov – 2011. B.Sc. graduation project. Indirect competitive and predatory effects on larval development of the mosquito *Ochlerotatus caspius* (*tentative title*). Dept. of Life Sciences, Achva Academic College.
7. Alon Silberbush – 2013-present. Chemical communication in invasive species. PostDoc. Supervised jointly with Prof. Zvika Abramsky

6. Awards and Fellowships

(a) Honors, Citation, Awards

1. 1997: Research award, Mitrani department of Desert Ecology, 1997 (\$1000).
2. 1999: Best poster in the 36th meeting of the Zoological Society of Israel.
3. 2002: Research award, Mitrani department of Desert Ecology, 2002 (\$1000).

(b) Fellowships

2001-2004: Kreitman Foundation Fellowship for Ph.D. studies.

7. List of Publications

(a) Refereed articles in scientific journals

1. Silberbush A., **Tsurim, I.**, Margalith Y. Ovadia, O. (tentative publication date 2014). Species-specific non-physical interference competition among mosquito larvae. (*PLoS ONE accepted for publication January 2014*). (*Times Cited: 0*).
2. **Tsurim, I.**, Silberbush A., Blaustein, L., Ovadia, O. and Margalith Y. 2013. Inter- and Intra-Specific Density-Dependent Effects on Life History and Development Strategies of Larval Mosquitoes. *PLoS ONE* 8(3): e57875. doi:10.1371/journal.pone.0057875. (*Times Cited: 0*).
3. **Tsurim, I.**, Kotler, B.P., Gilad, A., Elazary, S. and Abramsky, Z. 2010. Foraging behavior of an urban bird species: molt gaps, distance to shelter, and predation risk. *Ecology* 91(1):233-241. (*Times Cited: 5*).
4. **Tsurim I.**, Abramsky Z., and Kotler B.P. 2009. Differences in patch use behavior between an urban and rural species: effects of distance from shelter and wing molt-gaps. *Israel Journal of Ecology and Evolution* 55(4):345-357. (*Times Cited: 0*).
5. **Tsurim I.**, Abramsky Z., and Kotler B.P. 2009. The structure of winter bird communities in the northern Negev shrub-steppes: relating species composition to habitat structure. *Israel Journal of Ecology and Evolution* 55(1):41-61. (*Times Cited: 0*).
6. **Tsurim I.**, Abramsky Z., and Kotler B.P. 2008. Foraging behavior of urban birds: are human commensals less sensitive to predation risk than their nonurban counterparts? *Condor*. 110(4):772–776. (*Times Cited: 6*).
7. **Tsurim I.**, Sapir N., Belmaker J., Shanni I., Izhaki I., Wojciechowski M.S., Karasov W.H., and Pinshow B. 2008. Drinking water boosts food intake rate, body mass increase and fat accumulation in migratory blackcaps (*Sylvia atricapilla*). *Oecologia*. 156:21-30. (*Times Cited: 5*).
8. Perlman Y. and **Tsurim I.** 2008. Daring, risk assessment and body condition interactions in steppe buzzards. *Journal of Avian Biology*. 39:226-228. (*Times Cited: 1*).
9. **Tsurim, I.**, Abramsky Z., and Kotler B.P. 2007. The effect of food and shelter on habitat selection of granivorous birds over-wintering in shrub steppes of the Northern Negev, Israel. *Israel Journal of Ecology and Evolution*. 53(1):59 -79. (*Times Cited: 1*).
10. Segoli M., Maklakov A., Gavish E., **Tsurim I.** and Lubin Y. 2004. The effect of previous foraging success on web-building behavior in a sheet-weaver spider, *Frontinellina frutetorum* (Araneae, Linyphiidae). *Ethology Ecology and Evolution*. 16(4): 291-298. (*Times Cited: 9*).
11. Sapir N., **Tsurim I.**, Gal B. & Abramsky Z. 2004. The effect of water availability on fuel deposition of two staging *Sylvia* warblers. *Journal of Avian Biology*. 35: 25-32. (*Times Cited: 13*).
12. Shochat E. and **Tsurim I.** 2004. Winter bird communities in the northern Negev: species dispersal patterns, habitat use and implications for habitat conservation. *Biodiversity and Conservation*. 13(8):1571-1590. (*Times Cited: 6*).

13. **Tsurim, I.** and Abramsky, Z. 2004. The effect of travel costs on food hoarding in gerbils. Journal of Mammalogy. 85(1): 67-71. (*Times Cited: 7*).

(b) Manuscripts in review:

Silberbush A., **Tsurim, I.**, Margalith Y., Blaustein, L., Interactive effects of salinity and a predator on mosquito oviposition and larval performance. (*Provisionally accepted to Oecologia*).

(c) Unrefereed professional publications

Griffin P., Mayrose A. and Tsurim I. (2001) Breeding Pale Rock Sparrow *Carpospiza brachydactyla* in the Samarian Hills and Judean Desert, Israel. *Sandgrouse* 23(1): 66-67.

(d) Papers and Abstracts – Proceedings of Conferences, Published abstracts:

1. **Tsurim, I.** and Abramsky, Z. 1999. The influence of spatial heterogeneity in seed abundance on food-caching strategies in a desert community of *Gerbillus pyramidum* and *G. allenbyi*. Proceedings of the 35th meeting of the Zoological Society of Israel (*abstract*). In the Israeli Journal of Zoology 45:299-329.
2. **Tsurim, I.** 2000. The wintering granivore passerine community in the Northern Negev, patterns and mechanisms. Proceedings of the 36th meeting of the Zoological Society of Israel (*abstract*). In the Israeli Journal of Zoology Vol. 46(2).
3. Ben-Natan G., **Tsurim I.** & Levi A. 2000. Modeling the management program of the Mountain Gazelle population in the Golan Heights, Israel. Proceedings of the 85th Annual Meeting of the Ecological Society of America (ESA), August 6-10, 2000 (*abstract*).
4. Ben-Natan G., **Tsurim I.**, Levy A., Kaplan D. and Saltz D. 2001. The Golan Heights gazelle management program: Uncovering mechanisms, inspecting assumptions, and predicting future trends through simulations. Proceedings of the 37th meeting of the Zoological Society of Israel (*abstract*). In the Israeli Journal of Zoology 47(2).
5. **Tsurim I.** and Abramsky Z. 2001. Diversity and Composition of Non-Breeding Bird Assemblies in the Northern Israeli Desert during winter. Proceedings of the 86th Annual Meeting of the Ecological Society of America (ESA), August 5-10, 2001 (*abstract*).
6. **Tsurim I.** 2001. Foraging Around Shelters: Costs of Taking a Risk. Proceedings of the Animal Behavior Society (ABS) meeting, July 14-18, 2001, Oregon State University, USA (*abstract*).
7. Sapir N., Shochat E., Abramsky Z., Izhaki I. and **Tsurim I.** 2002. Stopover ecology of autumn migratory passerines at a desert edge in Israel. Proceedings of the 23rd International Ornithological Congress (IOC), 11-17 August 2002, Beijing, China (*abstract*).
8. **Tsurim I.** and Abramsky Z. 2002. Diversity and composition of wintering bird assemblies in semi-desert scrub. Proceedings of the 23rd International Ornithological Congress (IOC), 11-17 August 2002, Beijing, China (*abstract*).

9. **Tsurim I.**, Abramsky Z. and Kotler B.P. 2003. Diversity and composition of wintering bird assemblies in semi-desert habitats. Proceedings of the 39th meeting of the Zoological Society of Israel (*abstract*). In the Israeli Journal of Zoology 49(1):90.
10. Sapir N., **Tsurim I.**, Gal B. and Abramsky Z. 2004. Effect of water provision on fuel deposition of two staging *Sylvia* warblers. Proceedings of the 40th annual meeting of the Zoological Society of Israel (*abstract*). In Israel Journal of Zoology 50(1): 118.
11. **Tsurim, I.** and Maklakov, A. 2005. On the conflict between sexual selection and selection on life history traits: Sexual dichromatism and ecological plasticity of breeding birds. Proceedings of the 41st annual meeting of the Zoological Society of Israel (*abstract*). In Israel Journal of Zoology ().

8. Lectures and Presentations at Meetings and Invited Seminars

(a) Invited plenary lectures at conferences/meetings

1. “Consequences of intra- and inter-specific larval competition between *Ochlerotatus caspius* and *Culiseta longiareolata*”. At the 30th Meeting of the Entomology Society of Israel. October 2011, Sede Boker, Israel. **Tsurim, I.** *Co-authors: A. Silberbus, O. Ovadia, L. Blaustein, Y. Margalith.*
2. “The Importance of Water to Migrating Birds” at the International Symposium on Migratory Birds Monitoring Climate Changes: Migratory Birds and Wetlands in Stopover Islands. October 2008, Changwon, Korea. **Tsurim, I.** *Co-authors: Sapir N., Belmaker J., Shanni J, Izhaki I, Wojciechowski, Abramsky Z., Gal B., M.S., Karasov W.H., Pinshow B.*

(b) Presentation of papers at conferences/meetings

1. 40th Meeting of the Israel Society of Ecology and Environmental Science. October 2012.
2. 30th Meeting of the Entomology Society of Israel. October 2011.
3. 42nd Meeting of the Zoological Society of Israel, January 2006.
4. 41st Meeting of the Zoological Society of Israel, December 2004.
5. 40th Meeting of the Zoological Society of Israel, December 2003.
6. 39th Meeting of the Zoological Society of Israel, December 2002.
7. 23rd International Ornithological Congress, Beijing, China. August 11-17, 2002.
8. Animal Behavior Society Meeting, July 14-18, 2001. Oregon State University, USA.
9. 86th Annual Meeting of the Ecological Society of America (ESA). August 5-10, 2001.
10. 37th Meeting of the Zoological Society of Israel, Dec, 2000.
11. 36th Meeting of the Zoological Society of Israel, Dec, 1999.
12. 35th Meeting of the Zoological Society of Israel, Dec, 1998.

(c) Presentations at informal international seminars and workshops

1. Lecture in the course “Conservation of Biodiversity in Desert ecosystems”, organized by The Ministry of Foreign Affairs, the center for international cooperations MASHAV (June 2000). Subject: relationship between human impact on desert ecosystems and bird communities.

2. A talk on “The Role of Productivity and Habitat Structure in Shaping Wintering Bird Communities in the Northern Negev” given in a symposium on biological diversity organized by the Israeli Ministry of the Environment (DEC 2003).

9. Research Grants

1. 2014: Achva academic College, R&D Authority. Semiochemical communication among mosquito larvae. NIS 7000.
2. 2012-2014: Tamar Regional Municipal Council. “Development of a Surveillance System and Integrated Biological Control (IBC) Program for curbing mosquito populations of public health and economic importance in the Dead Sea basin, neighboring Jordan Kingdom”. **Prof. Z. Abramsky, Dr. I. Tsurim** ~\$110,000.
3. 2012-2015: Dead Sea Works (DSW). “Studying the ecology of Killifish (*Aphanius dispar*) and developing methodologies for its mass breeding and implementation as a mosquito-larvae control agent”, **Prof. Z. Abramsky, Dr. I. Tsurim** ~\$170,000.
4. 2014-2016: A grant (300,000 NIS) submitted NOV 2013, awarded DEC 2013 from the Ministry of the Environment, Israel. "Zoonoses control: Breaking the vector-reservoir link to control Leishmaniasis". **Prof. Z. Abramsky, Dr. I. Tsurim, Dr. G. Wasserberg**.
5. 2012-2013: The Dead-Sea and Arava Science Center. “Solutions to reduce House Fly (*Musca domestica*) nuisance in the southern Dead Sea region”. Z. Abramsky and I. Tsurim. \$113,750.
6. 2009-2012: Dead Sea Works (DSW). “Studying the ecology of Killifish (*Aphanius dispar*) and developing methodologies for its mass breeding and implementation as a mosquito-larvae control agent”, Significant contribution to the initiation, development, writing and execution of the research grant and contract awarded Jointly with the late **Prof. Y. Margalith**, \$120,000.