

## CURRICULUM VITAE

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**Date & place of birth:** 28 December, 1957; Rehovot, Israel

**ZAHAL (Israeli) Military Service:** 1976-77

**Marital status:** Married + 3 children

### **A. EDUCATION**

Period of study (dates)	Name of University (incl. city and country if not in Israel)	Subject	Degree or Professional License	Date of Award
1978-81	Tel Aviv University In a special curriculum for outstanding students	Life Sciences	B.Sc.	1981
1981-83	Tel Aviv University <i>summa cum laude</i>	Zoology	M.Sc.	1983
1977-84	Tel Aviv University <i>magna cum laude</i>	Archeology	B.A.	1984
1983-89	Tel Aviv University	Zoology	Ph.D.	1989

Title of Master's thesis: "Faunal composition and the paleoecology of Ujrat el-Mehed, a Neolithic site from southern Sinai".

Names of supervisors: Prof. E. Tchernov, The Hebrew University, Jerusalem.  
Prof. Y. Yom-Tov, Tel Aviv University.

Title of Doctoral dissertation: "The succession and community structure of the carnivores of the Middle East in space and time".

Names of supervisors: Prof. E. Tchernov, The Hebrew University, Jerusalem.  
Prof. Y. Yom-Tov, Tel Aviv University.

## **B. FURTHER STUDIES**

Period of study (dates)	Name of University (incl. city and country if not in Israel)	Subject	Degree or Professional License	Date of Award
1989-90	Florida State Univ. Tallahassee, FL., USA (with D. Simberloff)	Ecology	Post-doc	
1990-91	Harvard University Cambridge, Mass., USA (with S.J. Gould)	Paleobiology	Post-doc	

## **C. ACADEMIC AND PROFESSIONAL EXPERIENCE**

Period (dates)	Name of Institution	Department	Rank/Function
1981-88	Tel Aviv University	Zoology	Teaching Asst.
1986-89	Haifa University	Archeology	Adjunct lecturer
1991-94	Tel Aviv University	Zoology	Lecturer (Alon Fellow)
1992	Hebrew University, Jerusalem	Evolution, Systematics & Ecology	Adjunct lecturer
1994-99	Tel Aviv University	Zoology	Senior Lecturer
1995	Haifa University	Archeology	Adjunct Lecturer
1997	Haifa University	Archeology	Adjunct Lecturer
1999 (summer)	Univ. of Tennessee	Ecology & Evolutionary Biology	Research Scholar
1999-	Tel Aviv University	Zoology	Associate Professor
2003-	Tel Aviv University	Zoology	Full Professor
2004 (July)	Univ. of Tennessee	Ecology & Evolutionary Biology	Research Scholar
2004 (August)	Harvard University	Peabody Museum	Visiting Scholar

### C. ACADEMIC AND PROFESSIONAL EXPERIENCE (cont.)

Period (dates)	Name of Institution	Department	Rank/Function
2005 (September)	Univ. of Tennessee	Ecology& Evolutionary Biology	Research Scholar

### D. ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS

<u>Year</u>	<u>Name of meeting (city, country)</u>
1985	11th Archaeological Conference, Jerusalem, Israel (invited paper).
1986	22nd Meeting of the Zoological Society of Israel, Sde Boqer, Israel.
1987	24th Meeting of the Zoological Society of Israel, Jerusalem, Israel.
1989	8th International Symposium on Dental Morphology, Jerusalem, Israel (invited paper).
1989	4th International Conference: Environmental Quality and Ecosystem Stability, Jerusalem, Israel (invited paper).
1990	6th International Conference of the International Council for Archaeozoology, Washington, D.C., USA.
1990	70th Annual Meeting of the American Society of Mammalogists, Maryland, USA.
1990	4th International Congress of Systematic and Evolutionary Biology, Maryland, USA (invited paper).
1991	A symposium entitled: Morphological Change in Quaternary Mammals of North America: Integrating Case Studies and Evolutionary Theory, Georgia, USA.
1991	28th Meeting of the Zoological Society of Israel, Tel Aviv, Israel.
1992	5th International Conference: Environmental Quality and Ecosystem Stability, Jerusalem, Israel.
1992	29th Meeting of the Zoological Society of Israel, Jerusalem, Israel.
1993	6th International Theriological Congress, Sydney, Australia (invited paper).
1995	The 26th Annual Meeting of the Israel Society for Ecology and Environmental Quality Sciences, Haifa, Israel.
1995	32nd Meeting of the Zoological Society of Israel, Tel Aviv, Israel.

#### **D. ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS** (cont.)

- 1996 6th International Conference of the Israel Society for Ecology and Environmental Quality Sciences, Jerusalem, Israel (invited to chair an ecology session).
- 1996 Second World Congress on the Preservation and Conservation of Natural History Collections, Cambridge, England.
- 1996 3rd International Congress of the International Council for Archaeozoology (ICAZ): Archaeozoology of Southwest Asia and Adjacent Areas (ASWA) Working Group, Budapest, Hungary.
- 1996 Workshop on the Practical Impact of Science on Field Archaeology, Tel Aviv, Israel (invited paper).
- 1996 33rd meeting of the Zoological Society of Israel, Tel Aviv, Israel.
- 1996 Annual meeting of the Israel Society of Prehistory, Tel Aviv, Israel.
- 1997 28th Annual Meeting of the Israel Society for Ecology and Environmental Quality Sciences, Haifa (invited to chair a paleoecology session).
- 1997 7th International Theriological Congress, Acapulco, Mexico (invited poster).
- 1997 Annual meeting of the Israel Society of Prehistory, Haifa, Israel (invited to chair a session).
- 1997 34th meeting of the Zoological Society of Israel, Tel Aviv, Israel.
- 1998 The Rodent and its Environment, 6th International Conference, Akko, Israel (invited to chair a session).
- 1998 35th meeting of the Zoological Society of Israel, Tel Aviv, Israel (invited to chair a paleoecology session).
- 1998 GSA Penrose Conference on “Linking Spatial and Temporal Scales in Paleocology and Ecology”, Virginia, USA (invited poster; member of a discussion panel).
- 1998 29th Annual Meeting of the Israel Society for Ecology and Environmental Quality Sciences, Beer Sheba, Israel (invited paper; invited to chair an ecology session).
- 1998 8th International Congress of the International Council for Archaeozoology, Victoria, Canada (invited paper; invited to chair a specimen identification session).
- 1999 Invited to participate in a Bath Sheba de Rothschild Frontiers of Science Workshop on promoting evolutionary research in Israel.

#### **D. ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS** (cont.)

- 1999 7th International Conference of the Israel Society for Ecology and Environmental Quality Sciences, Jerusalem, Israel (invited paper).
- 1999 36th meeting of the Zoological Society of Israel, Tel Aviv, Israel.
- 2000 37th meeting of the Zoological Society of Israel, Beer Sheba, Israel.
- 2000 Annual meeting of the Israel Society of Prehistory, Jerusalem, Israel (invited to chair a session).
- 2001 International Conference on Biodiversity and Society, Columbia University, NY.
- 2001 38th meeting of the Zoological Society of Israel, Haifa, Israel (invited to chair a morphology session).
- 2001 Annual meeting of the Israel Society of Prehistory, Haifa, Israel (invited paper).
- 2002 16<sup>th</sup> Annual Meeting of the Society for Conservation Biology, Canterbury, UK.
- 2002 IX European Ecological Congress, Eureco '02, Lund, Sweden.
- 2002 9<sup>th</sup> Conference of the International Council of Archaeozoology, Durham, UK.
- 2002 Workshop on Biodiversity in the Arava Valley, Aqaba, Jordan (invited paper).
- 2002 EUROMAB UNESCO Conference, Rome, Italy.
- 2002 Symposium on dogs in the Natural History Museum of Los Angeles County, Los Angeles (invited paper).
- 2002 UNESCO sponsored workshop on Science for Peace in the Middle East, Jerusalem (member of organizing committee and chair of a session).
- 2002 39th meeting of the Zoological Society of Israel, Tel Aviv, Israel.
- 2002 32<sup>nd</sup> Annual Meeting of the Israel Society for Ecology & Environmental Quality Sciences (ISEEQS) (invited to speak about biodiversity in a plenary session convened by the Ministry of the Environment, dedicated to post- the Johannesburg Earth Summit on Sustainable Development), Tel Aviv, Israel.
- 2003 National expert meeting: "Towards public discourse on agricultural biotechnology and genetically engineered food in Israel", sponsored by the Heschel Center for Environmental Learning and Leadership and the Porter School of Environmental Science, Nir Etzion, Israel (invited lecture).
- 2003 The 17<sup>th</sup> Annual Meeting of the Society for Conservation Biology, Duluth, Minnesota, USA.

2003 "Middle East Environmental Futures" (MEEF) workshop, Brown University, Rhode Island (invited by organizers).

**D. ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS (cont.)**

2003 40th meeting of the Zoological Society of Israel, Sde Boqer, Israel (invited to chair an ecology session).

2004 Helmholtz Dead Sea Project Kick-off Conference, Jordan (invited lecture).

2004 GLOWA JR Status Conference, Potsdam, Germany.

2004 33<sup>rd</sup> Annual Meeting of the Israel Society for Ecology & Environmental Quality Sciences (ISEEQS).

2004 Israel Society of Microbiology, Microbial Ecology Fall Workshop, the Dead Sea, Israel (invited lecture).

2004 41<sup>st</sup> meeting of the Zoological Society of Israel, Haifa, Israel (invited to chair a biodiversity and conservation session).

2005 The 4<sup>th</sup> Congress of the Federation of the Israel Societies for Experimental Biology, Elat, Israel (member of the scientific advisory committee and invited to chair a public session).

2005 GLOWA JR Project: 4<sup>th</sup> Annual Conference, Karei Deshe (invited lecture).

2005 Management and Conservation of Mediterranean Ecosystems: a one day scientific conference (invited to chair the conference), Tel Aviv University.

2005 Active Management of Mediterranean Ecosystems: Up-Scaling the Lesson from Ramat Hanadiv, Ramat Hanadiv, Israel.

2005 Brave New World Technologies GMO/NANO, a symposium at Tel Aviv University (invited comment).

2006 42<sup>nd</sup> meeting of the Zoological Society of Israel, Rehovot, Israel (invited to chair a physiology session).

2007 27<sup>th</sup> Annual Meeting of the Department of Eretz Yisrael Studies and Archeology, Bar-Ilan University (invited to chair a session on conservation in Israel – present and future).

2007 35<sup>th</sup> Annual Meeting of the Israel Society for Ecology and Environmental Quality Studies (ISEEQS), Rehovot, Israel (invited to chair a session on invasive species).

2007 GLOWA JR Status Conference, Herrenberg, Germany.

2007 21<sup>st</sup> Annual Meeting of the Society for Conservation Biology, Port Elizabeth, South Africa.

- 2007 GLOWA JR 3<sup>rd</sup> Scenario Panel Meeting, Dead Sea, Jordan
- 2007 43<sup>rd</sup> meeting of the Zoological Society of Israel, Achva College, Israel.

**D. ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS (cont.)**

- 2008 The 5<sup>th</sup> Congress of the Federation of the Israel Societies for Experimental Biology, Eilat (invited lecture).
- 2008 World Leadership Conference on Israel's 60<sup>th</sup> anniversary, KKL-JNF, Eilat (invited lecture).
- 2008 Jerusalem Environment & Nature Conference (invited lecture).
- 2008 Tel Aviv Science, Technology, and Defense Workshop, 43<sup>rd</sup> meeting (invited lecture).
- 2008 1st International Congress Documenting, Analysing and Managing Biodiversity in the Middle East, Aqaba, Jordan.
- 2008 German-Israeli Agro-Forestry Mini Symposium, Weizmann Institute, Rehovot (invited lecture).
- 2008 Drylands, Deserts & Desertification Conference, Sede Boqer Campus, Ben Gurion University, Israel (chaired a desert ecology session).
- 2008 Sede Boqer Workshop on hierarchical complexity approach to desertification (co-chair of a session and invited lecture).
- 2009 Biodiversity Hotspots – Evolution and Conservation, National Museum of Natural History, Luxembourg (invited keynote lecture).
- 2009 45<sup>th</sup> meeting of the Zoological Society of Israel, University of Haifa, Israel.
- 2010 Fulbright Program Conference for the Middle East and North Africa, Cairo, Egypt (invited to speak in a panel).

**E. ACADEMIC AND PROFESSIONAL AWARDS**

- 1983-88 Buchmann Doctoral Fellowship.
- 1984 Shenkar award for outstanding record of studies.
- 1985 Landau Foundation award for excellence in research.
- 1986 Annual Prize of the Zoological Society of Israel, in memory of George Haas, for the best student paper presented at the society's 22<sup>nd</sup> meeting.
- 1986 British Council Fellowship to carry out research in the British Museum (Natural History), London, for a period of 3 months (flights to London plus circa \$2,000).

- 1987 Research grant, Fund for the Encouragement of Research, Histadrut, the General Federation of Labor in Israel (\$1,000).
- 1989/1990 Rothschild Post-Doctoral Fellowship (\$26,000) (declined).
- E. ACADEMIC AND PROFESSIONAL AWARDS** (cont.)
- 1989-91 Fulbright Post-Doctoral Grant (\$10,000).
- 1989-91 Weizmann Post-Doctoral Fellowship for Scientific Research (\$57,000).
- 1990 Young Investigator Prize awarded by the American Society of Naturalists in recognition of outstanding and promising research.
- 1991-94 Alon Fellowship (three years of salary plus \$28,000).
- 1991/92 Research grant from the University Research Fund, Tel Aviv University. ("Ecomorphological convergence between Old World and New World granivorous desert rodents" (\$10,000).
- 1992 British Council travel grant for research at the Natural History Museum, London (flight to London).
- 1993/94 Research grant from the University Research Fund, Tel Aviv University (P.I.) ("The adequacy of time as a niche difference") (\$5,500).
- 1994-96 German-Israel Foundation for Scientific Research and Development grant (with A. Haim, N. Zisapel and G. Heldmaier). ("Seasonal acclimatization of the circadian system in co-existing species of the genus *Acomys*") (Three year grant; total of DM 300,000).
- 1994 Irene Levi Sala Care Archaeological Foundation (P.I.) ("The paleoecology and subsistence economy of Geometric Kebaran hunter gatherers") (\$4,000).
- 1994/95 The University Research Fund, Tel Aviv University (P.I.) ("Body size and ecological interactions: the evolutionary role of interference competition") (\$7,000).
- 1997 Irene Levi Sala Care Archaeological Foundation (P.I.; with G. Bar-Oz) ("Taphonomic analysis of Nahal Hadera V") (\$1,500).
- 1997 The University Research Fund, Tel Aviv University (P.I.) ("Temporal partitioning among spiny mice: the cost of predation") (\$3,500).
- 1997 The Antiquities Authority research grant (P.I.) ("Analysis of the faunal remains from Hagoshrim, a Neolithic site") (\$26,000).
- 1998 The University Research Fund, Tel Aviv University (P.I.) ("Ecological, paleoecological, and taphonomic aspects of owl predation in Israel: a pilot study") (\$11,500).
- 1998 The National Geographic Society (P.I.) ("The effect of predation on two species of rocky desert rodents") (\$13,240).



## **E. ACADEMIC AND PROFESSIONAL AWARDS** (cont.)

- 1999/2000 International scientific exchange (Israel-Hungary) (P.I.; with I. Sharon, L. Bartosiewicz, and A. Choyke) (“Faunal analysis at Tel Dor, Israel”) (\$3000 plus 91,000 HUF plus four round trip tickets Israel-Hungary; funds to cover visits by Hungarian colleagues).
- 1999-2002 Member of an NCEAS (National Center for Ecological Analysis and Synthesis) funded working group on “Body size in ecology and paleoecology: linking pattern and process across spatial, temporal and taxonomic scales” (F.A. Smith P.I.; personal travel grants).
- 1999-2001 United States-Israel Binational Science Foundation research grant (P.I.; with D. Simberloff)  
 (“Island rules revisited: Evolution and the assembly of mammal communities”)  
 (Three year grant; amount granted for first year \$21,000; 2nd and 3rd year \$28,000; entire sum to be spent in Israel).
- 2000-2002 Ministry of Science grant for absorbing new immigrant scientists into the national collections of natural history at Tel Aviv University (P.I.; with M. Goren) (Three year grant at 75,000 NIS [ca. \$17,000] per annum).
- 2000 Research grant from the Beracha Foundation (P.I.)  
 (“Assessing environmental assessment in Israel”) (\$31,500).
- 2000 Michael Bruno Award for outstanding scholars, awarded by Yad Hanadiv (the Rothschild Foundation) (\$215,000 over a period of three years).
- 2001 The Antiquities Authority research grant (P.I.)  
 (“Further analysis of the faunal remains from Hagoshrim, a Neolithic site”)  
 (\$7,500).
- 2001/2002 The University Research Fund, Tel Aviv University (P.I.)  
 (“A systematic survey of non-indigenous species in Israel: A pilot study for scientific research on invasive species”) (\$9,000).
- 2001-2005 Joint German-Israeli Research Program in Environmental Research (GLOWA)  
 (Principal Investigators: P. Alpert, I. Litaor, and A. Assouline)  
 (“Animal Ecology” with M. Goren and A. Freidberg; as part of a sub-project entitled: “Vulnerability of water resources in eastern Mediterranean ecosystems”) (ca. \$45,000 per annum for “Animal Ecology” chapter).
- 2001-2005 Research grant from the Israel Scientific Foundation (P.I.; with N. Kronfeld-Schor).  
 (“The roles of ecological and physiological selective forces in shaping rhythm biology and community structure in a rocky desert rodent system”) (four year grant; \$50,000 per annum).

## E. ACADEMIC AND PROFESSIONAL AWARDS (cont.)

- 2002-2005 Research grant from the Israeli Ministry of the Environment (P.I.; with Y. Mandelik).  
("Ecological impact assessment: Tools for evaluating the effects of development on biodiversity") (three year grant at 80,000 NIS ( ca. \$18,000) per annum).
- 2002 Research grant from the Jerusalem Institute for Israel Studies (P.I.; with Y. Mandelik)  
("Ecological impact assessment: Tools for evaluating the effects of development on biodiversity") (20,000 NIS (ca. \$4000)).
- 2002 Research grant for the Israeli Ministry of the Environment (C.I.; With S. Bar-David [P.I.], D. Saltz, and Y. Shkedy).  
("Use of a demographic and geographic model of an umbrella species for planning continuous open areas in the Upper Galilee") (90,000 NIS (ca. \$19,000)).
- 2003-2005 Research grant from the Jewish National Fund (P.I.; with Y. Mandelik).  
("The influence of different forestry regimes on biodiversity") (Three year grant at 40,000 NIS (ca. \$8,500) per annum).
- 2003 The Antiquities Authority research grant (P.I.).  
("Analysis of the faunal remains from the Neolithic of Motza") (ca. \$1500)
- 2003 Grant from the Beracha Foundation (P.I.; with Y. Gavrieli).  
("Publishing a series of Hebrew language policy papers on global environmental issues and their relevance to Israel") (\$30,000)
- 2004–2007 Israel Scientific Foundation research grant (C.I.; with Guy Bar-Oz, P.I.)  
("Exploitation and hunting patterns of Mountain Gazelle (*Gazella gazella*) and Persian Fallow Deer (*Dama mesopotamica*) during the Late Pleistocene – Early Holocene of the Southern Levant: Testing the hypothesis of cultural control") (3 year grant; ca. \$30,000 per annum)
- 2004/2005 Grant from Yad Hanadiv Foundation (P.I.)  
("Planning a natural history museum at Tel Aviv University") (\$50,000)
- 2005 The Antiquities Authority research grant (P.I.)  
("Ongoing analysis of the faunal remains from the Neolithic of Motza") (22,000 NIS [ca. \$5000])
- 2005-2008 GLOWA Jordan River research grant (P.I. of subproject)  
("Modeling the impact of global climate change on terrestrial biodiversity in the Jordan River Basin: Testing planning scenarios and climate change scenarios") (3 year grant; ca. EURO 35,000 per annum)
- 2005 Yad Hanadiv grant  
("Establishing a Natural History Museum building for the National Collections of Natural History at Tel Aviv University")  
(2.5 million US dollars)

## E. ACADEMIC AND PROFESSIONAL AWARDS (cont.)

- 2006-2008 German-Israeli Foundation (GIF) for Scientific Research and Development grant (P.I.; with T. Assmann).  
("Patterns of biodiversity in natural and cultural landscapes: a model Mediterranean forest ecosystem") (3 year grant; total sum EURO 158,000)
- 2006 Grants from the Ministry of the Environment and the Israel Nature and Parks Authority (P.I. with A. Hefetz)  
("Survey of the little fire ant in Israel")(total of 45,000 NIS [ca. \$10,000])
- 2006-2009 Israel Science Foundation research grant (P.I.; with Guy Bar-Oz C.I.)  
("Animal bones, ancient populations, and site formation processes: A test case of Dor, a coastal Levantine site") (3 year grant; 225,000 NIS [ca. \$50,000] per annum)
- 2006-2008 Bridging the Rift Foundation research grant  
("Ecosystem services in human-dominated landscapes in the Arava Rift Valley") (2 year grant; \$50,000 per annum)
- 2007 Ministry for Environmental Protection research grant (P.I. with Abraham Hefetz)  
("The impact of the little fire ant *Wasmannia auropunctata* on arthropod biodiversity in Israel") (1 year grant; 93,000 NIS [ca. \$22,000])
- 2007 Grant from the Bath Sheba de Rothschild Foundation to bring two visiting scientists (Peter Kareiva and William Sutherland) to Israel (\$8000; submitted with Zvi Ben-Avraham)
- 2007/2008 Ministry of Science, Culture & Sport research grant (P.I. with Abraham Hefetz C.I.) ("Biodiversity in agro-natural landscapes: Maintaining biodiversity and pollination services in arid ecosystems") (1 year grant; 175,000 NIS [ca. \$40,000])
- 2007 Yad Hanadiv grant ("Establishing a Natural History Museum building for the National Collections of Natural History at Tel Aviv University" supplementary grant) (\$ 225,000)
- 2007-2010 Ministry of Science, Culture & Sport grant for establishing knowledge center at the national collections of natural history (3 year grant; total of 1,900,000 NIS [ca. \$500,000])
- 2008 Yad Hanadiv grant for carrying out a survey of the status of biodiversity research in Israel (1 year grant; \$5500).
- 2008-2010 Ministry of Agriculture and Rural Development Research grant (co:P.I. with Ronit Justo-Hanani) ("Towards transgenic animal risk regulation: forming a regulatory framework) (3 year grant; 240,000 NIS).

## **E. ACADEMIC AND PROFESSIONAL AWARDS (cont.)**

- 2009 Yad Hanadiv grant (co:P.I. with Menachem Goren, leading a consortium of Israeli universities and government agencies) ("Taxonomy for a sustainable future: Promoting biodiversity research in Israel") (5 year grant; total of \$ 1,480,000)
- 2009-2011 GLOWA Jordan River research grant (P.I. of subproject) ("Modeling the impact of global climate change on terrestrial biodiversity in the Jordan River Basin: Testing planning scenarios and climate change scenarios") (3 year grant; *ca.* EURO 84,000 total)
- 2009-2012 Israel Science Foundation research grant ("The evolution of activity patterns of mammals: a macroecological and macroevolutionary perspective") (3 year grant; *ca.* \$ 40,000 per annum)

## **F. MEMBERSHIP IN PROFESSIONAL SOCIETIES**

- 1986- Zoological Society of Israel  
(1991-94 member of the Board of Directors).
- 1987- Israel Society of Prehistory.
- 1988- The Ecological Society of America.
- 89/90, 2001- Society of Archaeological Science
- 1990- International Council of Archaeozoology.
- 1990 Society of Systematic Zoology.
- 1990- American Society of Mammalogists.
- 1990- Society of Vertebrate Paleontology.
- 1992- Israel Society of Ecology and Environmental Quality Research.
- 2002- Society for Conservation Biology.
- 2004/5- American Society of Naturalists.

### Editorial duties

- 1993- 2000 Charter member of the scientific advisory board of Ecology and Environment. The Israeli Journal of Ecology, Environmental Quality, and Nature Conservation.
- 2006- Member of the editorial board of the Israel Journal of Ecology and Evolution.
- 2008- 2009 Member of the editorial board of The Open Ecology Journal.
- 2009- Editor-in-Chief, Mammalian Biology.

## **F. MEMBERSHIP IN PROFESSIONAL SOCIETIES (cont.)**

### Membership in Committees (Tel Aviv University)

- 1992-97 Museum and Research Zoo Comm., Dept. of Zoology, Tel Aviv University.
- 1993-2000 Teaching Committee, Faculty of Life Sciences, Tel Aviv University.
- 1993- Ecology Graduate Program Committee, Faculty of Life Sciences, Tel Aviv Univ.
- 1993-94 Teaching Committee, Department of Zoology, Tel Aviv University.
- 1995-1999 Faculty of Life Science, steering committee for the B.Sc. with a double major.
- 1997-98 Program Committee for a natural history museum at Tel Aviv University.
- 1998- Departmental Committee, Department of Zoology, Tel Aviv University.
- 1998-2003 Zoological Garden Committee, Department of Zoology, Tel Aviv University.
- 1998-1999 Academic Planning Committee of the Faculty of Life Sciences, TAU.
- 2000 Program committee for building the School of the Environment.
- 2001- Steering Committee for Nature Campus, Public Programs, Exhibitions & Education at the National Collections of Natural History, the I. Meier Segals Garden for Zoological Research and the Botanic Gardens.
- 2001- Museum Committee (Chair), Department of Zoology, Tel Aviv University.
- 2005-2006 Program Committee for a joint building for the natural history collections and the Porter School of the Environment, TAU.
- 2005- 2007 Co-chair (with J. Gershoni) of the Nature Campus Science Committee, TAU.
- 2007 Program Committee for the Natural History Collections Building at Tel Aviv University.

### Other duties

- 1995- Director of the National Collections of Natural History at Tel Aviv University.
- 1996-98 Israel Academy of Sciences and Humanities, task force for the future of natural history collections in Israel.
- 1998-2002 Member of the Board of Directors of the Nature and National Parks Protection Authority of Israel (INPA), and member of the Science and Education Committees of the Board.
- 1998-99 Member of a Discussion Group on Sustainable Development and Biodiversity, the Ministry of the Environment.

F. **MEMBERSHIP IN PROFESSIONAL SOCIETIES** (cont.)

Other duties (cont.)

- 1998/99 Member of the Academic Think Tank of the Heschel Center for Environmental Learning and Leadership.
- 1998-2002 Member of the National Parks and Nature Reserves Council of Israel.
- 2000-2001-2004 Member of the Scientific Advisory Board of the International Institute (Peoples).  
Member of the Board of Directors of the Society for the Protection of Nature in Israel (SPNI), member of the steering committee of the board, and member of the board's conservation committee.
- 2001-2007 Member of the SPNI Council.
- 2001-2002 Scientific advisor to the Natural History Museum of Los Angeles County for an NSF funded exhibit on “dogs” (co-curators Blaire Van Valkenburgh, Robert Wayne, and Linda Abraham).
- 2001 Judge, National Youth Science Fair, Science Museum, Jerusalem.
- 2001 Judge, International Science and Engineering Fair, San Jose, USA.
- 2001-2006 Advisory committee for the Minister of the Environment’s award for volunteers.
- 2001-2009 Chair Israel MAB (Man and Biosphere) UNESCO Committee.
- 2001-2009 UNESCO World Heritage Committee, Israel.
- 2001- Israel IGBP (International Geosphere Biosphere Program) Committee.
- 2002 Judge, National Youth Science Fair, Science Museum, Jerusalem.
- 2002-2004 Head, Institute for Nature Conservation Research, Tel Aviv University.
- 2003-2005 Head of "Research and Monitoring" team (with R. Kadmon) towards developing a national biodiversity action plan for the State of Israel.
- 2003 Steering committee for "The environmental voice at the Judean Foothills", environmental community action in an area planned as a biosphere reserve.
- 2003- Great Rift Valley task force of the UNESCO World Heritage Committee.
- 2003 Search committee for a Chief Scientist for the Israel Nature and Parks Authority.
- 2003-2006 Professional committee for biology teaching in the Ministry of Education, Israel.
- 2003-2007 Member of the Board of Directors of the Nature and National Parks Protection Authority of Israel (INPA), and Chair of the Science Committee of the Board.

F. **MEMBERSHIP IN PROFESSIONAL SOCIETIES** (cont.)

Other duties (cont.)

- 2003/04 Member of the ILANIT 2005 (tri-annual meeting of Israeli Societies for Experimental Biology) Scientific Advisory Committee.
- 2004 Member of the Landau Prize Committee.
- 2004-2007 Member of the National Parks and Nature Reserves Council of Israel.
- 2004- Advisory Committee on "Man and the Environment", Yad Yizhak Ben-Zvi.
- 2004- 2005 Chair, Strategic Planning Committee for the Open Lands Institute on behalf of Yad Hanadiv Foundation.
- 2005- Chair, Council for the Open Lands Institute on behalf of Yad Hanadiv Foundation.
- 2005 Judge, National Youth Science Fair, Science Museum, Jerusalem.
- 2005-2007 Member of the selection committee for Fulbright post-doctoral fellowships.
- 2005- Member of the steering committee for the National Collections of Natural History, under the auspices of the Israel National Academy of Sciences and Humanities.
- 2005- 2009 Member of the UNESCO Man and Biosphere (MAB) International Council.
- 2006- Co-chair, Forum on Biodiversity and the Environment, under the auspices of the Israel Academy of Sciences and Humanities.
- 2006- 2007 Member of a scientific steering team assembled by the KKL Forest Department for the restoration of the forests in the north of Israel.
- 2006 Member of the local organizing committee for a congress "Deserts & Desertification: Challenges & Opportunities".
- 2007- Member of a Public Council for the Environment to work in conjunction with the Environmental Lobby of the Knesset and member of the Steering Committee of this Council.
- 2007- Member of a team to provide guidelines to the Israeli government on biodiversity and adaptation to climate change.
- 2008 Organizing committee of Drylands, Deserts and Desertification 2008, an international congress at the Sde Boqer Desert Research Institute.
- 2008- Chair of the Board of Directors of the Society for the Protection of Nature in Israel (SPNI).

## F. MEMBERSHIP IN PROFESSIONAL SOCIETIES (cont.)

### Other duties (cont.)

- 2009- Member of the Research and Monitoring team of the Biodiversity subcommittee of the Director-Generals' committee on Sustainable Development.
- 2009 Member of a committee convened by the National R&D to review the Agricultural Research Organization of the Ministry of Agriculture and Rural Development.

## G. DOCTORAL STUDENTS SUPERVISED BY CANDIDATE

### G1. Doctoral students

- 1992-1998 Noga Kronfeld (Co-advisors: A. Shkolnik and N. Zisapel)  
Temporal partitioning among coexisting spiny mice: Ecological, physiological and biochemical aspects.  
Tel Aviv University.  
Currently Alon Fellow and faculty member in the Department of Zoology, TAU.
- 1995-2003 Irit Zohar (Co-advisor: I. Herskowitz)  
Fishing activity at the Sea of Galilee 19,000 B.P.: ecological, economical, and cultural implications.  
Tel Aviv University.  
Currently a post-doctoral fellow, Hebrew University.
- 1996-2001 Guy Bar-Oz  
Cultural and Ecological change at the end of the last glacial in the Carmel Coastal Plain and the Sharon Coastal Plain.  
Tel Aviv University.  
Currently Alon Fellow and faculty member in the Archeology Institute, the University of Haifa.
- 1997-2002 Shirli Bar-David (Co-advisor: D. Saltz)  
The Reintroduced Population of Persian Fallow Deer--Modeling Population Growth in Time and Space.  
Tel Aviv University.  
Currently faculty member, Institute for Desert Research, Ben Gurion University.
- 1997-2003 Aaron Sasson (Co-advisors: I. Finkelstein and Z. Herzog).  
Pastoralism in the Iron Age at the northern Negev Desert.  
Tel Aviv University.  
Currently post-doctoral fellow, UC San Diego.
- 1999-2005 Yael Mandelik (Co-advisor: E. Feitelson)  
Assessing the ecological aspects of environmental assessment in Israel.  
Tel Aviv University.  
Currently faculty member, Department of Entomology, the Hebrew University of Jerusalem.



## **G. DOCTORAL STUDENTS SUPERVISED BY CANDIDATE** (cont.)

### G1. Doctoral students (cont.)

- 1999-2008 Liora Glass (Co-advisor: E. Geffen).  
The ecology of jungle cats in natural and anthropogenic habitats in Israel.  
Tel Aviv University.
- 2000-2004 Shai Meiri (Co-advisor: D. Simberloff)  
Island rules revisited.  
Tel Aviv University.  
Currently Alon Fellow and faculty member in the Department of Zoology, TAU.
- 2000- Reuvat Nitzan (Co-advisor: A. Ar)  
Population dynamics of the chukar partridge in Israel  
Tel Aviv University.
- 2002-2009 Hadass Steinitz  
Species and community level investigation of the environmental factors which affect mammal distributions in Israel.  
Tel Aviv University.  
Currently post-doctoral fellow, Tel Aviv University.
- 2003- 2009 Merav Weinstein-Vonshak (Co-advisor: A. Hefetz)  
Invasive ants of Israel.  
Tel Aviv University.  
Currently post-doctoral fellow, Tel Aviv University; scheduled to leave in June for a post-doc at Stanford University
- 2005- Orit Skutelsky (Co-advisor: E. Feitelson)  
Biodiversity conservation in biosphere reserves of Israel: the switch from a market led to conservation oriented agriculture.  
Tel Aviv University.
- 2005- Tal Levanony  
Patterns of biodiversity in natural and cultural landscapes: a model Mediterranean forest ecosystem.  
Tel Aviv University.
- 2005- 2010 Ofir Levy (Co-advisor: N. Kronfeld-Schor)  
Modeling climate effects on temporally-partitioned rocky desert rodents: from basic principles to community structure.  
Tel Aviv University.
- 2006- Lidar Sapir (Co-advisor: G. Bar-Oz)  
Animal bones, ancient populations, and site formation processes: A test case of Dor, a coastal Levanite site.  
Tel Aviv University.

## **G. DOCTORAL STUDENTS SUPERVISED BY CANDIDATE** (cont.)

### G1. Doctoral students (cont.)

- 2007- Ronit Justo-Hanani (Co-advisor: D. Levy Faur)  
Legal and administrative aspects of genetically modified organisms in Israel.  
Tel Aviv University.
- 2007- Emmanuelle Cohen-Shacham (Co-advisor: E. Feitelson)  
Policies for managing ecosystem services  
Tel Aviv University.
- 2008- Ariella Gotlieb (Co-advisor: Y. Mandelik)  
Agriculture and conservation in the Arava Valley  
Tel Aviv University
- 2008- Ilana Pizer-Mason (Co-advisor: K. Jones)  
The macroecology of activity patterns.  
Tel Aviv University
- 2009- Iris Bernstein  
Landscape planning for ecological corridors and biodiversity conservation in peri-urban environments: The case of Modiin Forest Corridor  
Tel Aviv University
- 2009- Shay Rotich (Co-advisor: N. Kronfeld-Schor)  
To be determined.  
Tel Aviv University.

### G2. M.Sc. students

- 1991-1994 Irit Zohar (Co-advisor: E. Spanier)  
The exploitation of *Balistes carolinensis* by a pre-historic fishing population from the submerged site Atlit-Yam.  
Haifa University.
- 1992-1996 Itzhak Martinez  
Ecomorphology of the hardens of Israel and Sinai.  
Tel Aviv University.  
Currently faculty member, Department of Environmental Sciences, Tel Hai Academic College.
- 1992-1996 Ariela Rahmut (Ben Moshe)  
Seed size selection, harvest rate curves, and ecological character displacement in gerbils.  
Tel Aviv University.
- 1993-1997 Reuvat Nitzan  
Microhabitat selection between two species of *Apodemus* on Mt. Carmel, Israel.  
Tel Aviv University.

## **G. DOCTORAL STUDENTS SUPERVISED BY CANDIDATE** (cont.)

### G2. M.Sc. students (cont.)

- 1994-1996 Guy Bar-Oz  
The paleoecology of Geometric-Kebaran hunters-gatherers.  
Tel Aviv University.
- 1994-1997 Eyal Shargal  
Population ecology and ecophysiology of coexisting *Acomys cahirinus* and *Acomys russatus*.  
Tel Aviv University.
- 1996-1999 Yael Mandelik  
Ecological and behavioral aspects of owl predation on *Acomys cahirinus*.  
Tel Aviv University.
- 1996-1999 Elicia Lisk  
The faunal remains of Dor (area G).  
Tel Aviv University.
- 1997-2002 Lior Weissbrod (Co-advisor: M. Weinstein-Evron)  
A taphonomic analysis of the rodent remains from the el-Wad Terrace.  
Haifa University.
- 1998-2001 Roe Gutman  
Foraging ecology of diurnally and nocturnally active coexisting spiny mice.  
Tel Aviv University.
- 1998-2001 Annat Haber  
The paleoecology and paleoeconomy of the Neolithic sequence cultures at Hagoshrim.  
Tel Aviv University.
- 1999/2000 Shai Meiri (Co-advisor: D. Simberloff) (transferred to the PhD program)  
Island rules revisited.  
Tel Aviv University.
- 1999-2003 Ram Buchnik (Co-advisor: Y. Steinberger)  
Ecological and paleoecological aspects of barn owl foraging in the different habitats of Israel.  
Bar-Ilan University.
- 2001-2003 Merav Weinstein (Co-advisor: N. Kronfeld-Schor)  
Diel and seasonal variation in the arthropod fauna, the resource base of spiny mice at Ein Gedi.  
Tel Aviv University.
- 2001- 2004 Uri Roll (Co-advisor: D. Simberloff)  
Survey and biogeographic analyses of invasive species in Israel.  
Tel Aviv University.

## **G. DOCTORAL STUDENTS SUPERVISED BY CANDIDATE** (cont.)

### G2. M.Sc. students (cont.)

- 2001- 2004 Einav Vidan (Co-advisor: N. Kronfeld-Schor)  
Foraging activity patterns of spiny mice: an experimental analysis.  
Tel Aviv University.
- 2002-2005 Tal Levanony  
Biodiversity and sylviculture in KKL forests of Israel.  
Tel Aviv University.
- 2002-2005 Ornit Hall (Co-advisor: D. Wool)  
Parataxonomy as a research and conservation tool in Israel.  
Tel Aviv University.
- 2002-2005 Ehud Columbus  
Biodiversity in agricultural landscapes.  
Tel Aviv University.
- 2003-2005 Lidar Sapir (Co-advisor: G. Bar-Oz)  
The paleoecology and paleoeconomy of Motza, a Pre-Pottery Neolithic B site.  
Tel Aviv University.
- 2004-2006 Ariella Gotlieb  
Ecological restoration of the Ze'elim wadi bed, near the Dead Sea.  
Tel Aviv University.
- 2004-2006 Ronit Justo-Hanani (Co-advisor: A. Tal)  
Comparative legislation concerning invasive species.  
Tel Aviv University
- 2005- Ina Stierberg (Co-advisor: M. Sternberg)  
Climatic radiants and biodiversity of invertebrates.  
Tel Aviv University.
- 2005-2008 Erez Maza  
Land-use patterns and reptile community structure and diversity.  
Tel Aviv University.
- 2006-2009 Shay Rotich (Co-advisor N. Kronfeld-Schor)  
The effect of artificial illumination on a rocky desert rodent community.  
Tel Aviv University.
- 2006-2009 Karin Tamar (Co-advisor G. Bar-Oz)  
The zooarcheological remains from Tel Bet-Shemesh..  
Tel Aviv University.

## **G. DOCTORAL STUDENTS SUPERVISED BY CANDIDATE** (cont.)

### G2. M.Sc. students (cont.)

- 2006-2009 Yael Hollender (Co-advisor Y. Mandelik)  
The interaction of commercial pollinators and natural bee communities in the central Arava region.  
Tel Aviv University.
- 2007- Eyal Bloche (Co-advisor N. Kronfeld-Schor)  
The effect of leptin on foraging decisions and foraging behavior of spiny mice.  
Tel Aviv University.
- 2007- Tamar Marcus  
Spatial aspects of climate change and conservation.  
Tel Aviv University.
- 2008- Aviv Avisar (Co-advisor U. Shanas)  
Assessing the impact of visitor pressure in nature reserves.  
Tel Aviv University.
- 2008- Yahel Porat (Co-advisor Y. Carmel)  
Different land management practices and their impact on reptile communities.  
Tel Aviv University
- 2008- Hila Lahav (Co-advisor A. Hefetz)  
Ant communities under different land management practices.  
Tel Aviv University
- 2009- Hadas Marshall (Co-advisor Y. Mandelik)  
Bee communities in the Arava Rift Valley.  
Tel Aviv University.
- 2009- Roe Maor  
To be determined.  
Tel Aviv University

### G3. Post-docs

- 1997 Menna Elizabeth Jones (Australia).  
Tel Aviv University.
- 2004/2005 Shai Meiri  
Tel Aviv University.
- 2006/2007 Yael Mandelik  
Tel Aviv University.
- 2008- 2009 Efrat Gavish  
Tel Aviv University.

**G. DOCTORAL STUDENTS SUPERVISED BY CANDIDATE (cont.)**

**G3. Post-docs**

2009- Merav Vonshak (co-advisor A. Hefetz)  
Tel Aviv University.

2009- Claudia Drees  
Tel Aviv University

2009- Hadass Steinitz (co-advisor S. Meiri)  
Tel Aviv University.

2010- Ofir Levy  
Tel Aviv University.

Date \_\_\_\_\_  
(month) (year)

## LIST OF PUBLICATIONS

### C. REFEREED ARTICLES

- 1 Dayan, T., E. Tchernov, O. Bar-Yosef, and Y. Yom-Tov. Animal exploitation in Ujrat el-Mehed, a Neolithic site in southern Sinai. Paleorient **12(2)**:105-116, 1986.
- 2 Tchernov, E., T. Dayan, and Y. Yom-Tov. The paleogeography of *Gazella gazella* and *Gazella dorcas* during the Holocene of the southern Levant. Israel Journal of Zoology **34**:51-59, 1987.
- 3 Dayan, T., and E. Tchernov. On the first occurrence of the common weasel (*Mustela nivalis*) in the fossil record of Israel. Mammalia **52(2)**:165-168, 1988.
4. \* Dayan, T., D. Simberloff, E. Tchernov, and Y. Yom-Tov. Inter- and intraspecific character displacement in mustelids. Ecology **70(5)**:1526-1539, 1989.
5. Dayan, T., E. Tchernov, Y. Yom-Tov, and D. Simberloff. Ecological character displacement in Saharo-Arabian *Vulpes*: Outfoxing Bergmann's rule. Oikos **55**:263-272, 1989.
6. \* Dayan, T., D. Simberloff, E. Tchernov, and Y. Yom-Tov. Feline canines: community-wide character displacement in the small cats of Israel. American Naturalist **136(1)**:39-60, 1990.
7. Dayan, T., D. Simberloff, E. Tchernov, and Y. Yom-Tov. Calibrating the paleothermometer: Climate, communities, and the evolution of size. Paleobiology **17(2)**:189-199, 1991.
8. Simberloff, D., and T. Dayan. Guilds and the structure of ecological communities. Annual Review of Ecology and Systematics **22**:115-143, 1991.
9. Dayan, T., D. Simberloff, E. Tchernov, and Y. Yom-Tov. Canine carnassials: Character displacement among the wolves, jackals, and foxes of Israel. Biological Journal of the Linnean Society **45(4)**:315-331, 1992.
- 10 Dayan, T. The impact of Quaternary paleoclimatic change on the carnivores of Israel. Water Science and Technology **27(7-8)**:497-504, 1993.
11. Dayan, T., and D. Simberloff. Morphological relationships among co-existing heteromyids: an incisive dental character. American Naturalist **143(3)**:462-477, 1994.
12. Dayan, T. Carnivore diversity in the Late Quaternary of Israel. Quaternary Research **41**:343-349, 1994.

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\* Reviewed by:

Pimm, S.L., and J.L. Gittleman. Carnivores and ecologists on the road to Damascus. Trends in Ecology and Evolution **5(3)**:70-73, 1990.

### C. REFEREED ARTICLES (cont.)

13. Dayan, T., and D. Simberloff. Character displacement, sexual size dimorphism, and morphological variation among the mustelids of the British Isles. Ecology **75(4)**:1063-1073, 1994.
14. Dayan, T. Early domesticated dogs of the Near East. Journal of Archaeological Science **21**:633-640, 1994.
15. Kronfeld, N., T. Dayan, N. Zisapel, and A. Haim. Co-existing populations of *Acomys cahirinus* and *A. russatus*: a preliminary report. Israel Journal of Zoology **40**:177-183, 1994.
16. Dayan, T., and D. Simberloff. Natufian gazelles: Proto-domestication reconsidered. Journal of Archaeological Science **22**:671-675, 1995.
17. Yom-Tov, Y., and T. Dayan. Body mass overlap and interspecific interference competition among desert gerbils? Oikos **75**:536-538, 1996.
18. Stone, L., T. Dayan, and D. Simberloff. Community-wide assembly patterns unmasked: The importance of species' differing geographic ranges. American Naturalist **148(6)**:997-1015, 1996.
19. Dayan, T. Weasels of the Iron Age of Israel: a biogeographic note. Israel Journal of Zoology **43(3)**:295-298, 1997.
20. Zohar, I., T. Dayan, and E. Spanier. Predicting gray triggerfish body size from bones. International Journal of Osteoarcheology **7(2)**:150-156, 1997.
21. Manheim, O., A. Freidberg, D. Graur, M. Goren, Y. Benayahu, Y. Yom-Tov, and T. Dayan. The national collections of natural history at Tel Aviv University, a national museum of natural history in the making: the first 60 years. Israel Journal of Zoology **44**:1-79, 1998.
22. Shargal, E., N. Kronfeld, and T. Dayan. On the population ecology of the bushy-tailed jird (*Sekeetamys calurus*) at En Gedi. Israel Journal of Zoology **44**:61-63, 1998.
23. Dayan, T., and D. Simberloff. Size patterns among competitors: Ecological character displacement and character release in mammals, with special reference to island populations. Mammal Review **28**:99-124, 1998.
24. Ronen, A., J.M. Burdukiewicz, S.A. Laukhin, Y. Winter, A. Tsatskin, T. Dayan, O.A. Kulikov, V.K. Vlasov, and V.V. Semenov. The Lower Palaeolithic site Bizat Ruhama in the northern Negev, Israel. Archaeologisches Korrespondenzblatt **28**:163-1998.
25. Kronfeld, N., and T. Dayan. A new method for determining rodent diets. Journal of Mammalogy **79(4)**:1198-1202. 1998.



## **REFEREED ARTICLES** (cont.)

26. Bar-Oz, G., T. Dayan, and D. Kaufman. The Epi-Paleolithic faunal sequence in Israel: A view from Neve David. Journal of Archeological Science **26**:67-82. 1999.
27. Elvert, R., N. Kronfeld, T. Dayan, A. Haim, N. Zisapel, and G. Heldmaier. Telemetric field studies of body temperature and activity rhythms of *Acomys russatus* and *A. cahirinus* in the Judean Desert of Israel. Oecologia **119**(4):482-492. 1999.
28. Shargal, E., L. Rath-Wolfson, N. Kronfeld, and T. Dayan. Ecological and histological aspects of tail-loss in spiny mice (Mammalia; Rodentia; Muridae) with a review of this phenomenon in rodents. Journal of Zoology, London. **249**:187-193. 1999.
29. Kronfeld, N., and T. Dayan. The dietary basis for temporal partitioning: Food habits of coexisting *Acomys* species. Oecologia. **121**(1):123-128. 1999.
30. Eilam, D., T. Dayan, S. Ben-Eliyahu, I. Schulman, G. Shefer, and C. Hendrie. Differential behavioural and hormonal response of voles and spiny mice to owl calls: A possible role of individual differences, stimulus interpretation, and habitat structure. Animal Behaviour **58**:1085-1093. 1999.
31. Kronfeld, N., A. Haim, T. Dayan, N. Zisapel, M. Klingenspor, and G. Heldmaier. Seasonal thermogenic acclimation of diurnally and nocturnally active desert spiny mice. Physiological and Biochemical Zoology **73**(1):37-44. 2000.
32. Jones, M. E., and T. Dayan. Foraging behaviour and microhabitat use of spiny mice, *Acomys cahirinus* and *A. russatus*, in the presence of Blandford's fox (*Vulpes cana*) odour. Journal of Chemical Ecology **26**(2):455-469. 2000.
33. Bar-Oz, G., and T. Dayan. Invited comment on "The tortoise and the hare: small-game use, the broad-spectrum revolution, and Paleolithic demography". Current Anthropology **41**(1):59-60. 2000.
34. Simberloff, D., T. Dayan, C. Jones, and G. Ogura. Rapid character displacement and release in the small Indian mongoose, *Herpestes javanicus*. Ecology **81**:2086-2099. 2000.
35. Stone, L., T. Dayan, and D. Simberloff. On desert rodents, favored states, and unresolved issues: Scaling up and down regional assemblages and local communities. American Naturalist **156**:322-328. 2000.
36. Shargal, E., N. Kronfeld-Schor, and T. Dayan. Population biology and spatial relationships of coexisting spiny mice of the genus *Acomys*. Journal of Mammalogy **81**(4):1046-1052. 2000.
37. Kronfeld-Schor, N., Shargal, E., Haim, A., Dayan, T., N. Zisapel, and G. Heldmaier. Temporal partitioning among diurnally and nocturnally active desert spiny mice: Energy and water turnover costs. Journal of Thermal Biology **26**:139-142. 2001.

## **REFEREED ARTICLES** (cont.)

38. Jones, M.E., Y. Mandelik, and T. Dayan. Coexistence of temporally partitioned spiny mice: roles of habitat structure and foraging behavior. Ecology **82**(8):2164-2176. 2001.
39. Kronfeld-Schor, N., T. Dayan, R. Elvert, A. Haim, N. Zisapel, and G. Heldmaier. On the use of the time axis for ecological separation: Diel rhythms as an evolutionary constraint. American Naturalist **158**(4):451-457. 2001.
40. Zohar, I., T. Dayan, E. Galili, and E. Spanier. Fish processing during the early Holocene: a taphonomic case study from coastal Israel. Journal of Archaeological Science **28**:1041-1053. 2001.
41. Kronfeld-Schor, N., T. Dayan, M.E. Jones, I. Kremer, Y. Mandelik, M. Wollberg, Y. Yassur, and D.D. Gatton. Retinal structure and foraging microhabitat use of the golden spiny mouse (*Acomys russatus*). Journal of Mammalogy **82**(4):1016-1025. 2001.
42. Ben-Moshe, A., T. Dayan, and D. Simberloff. Convergence in morphological patterns and community organization between Old and New World rodent guilds. American Naturalist **158**(5):484-495. 2001.
43. Bar-Oz, G., and T. Dayan. Weasels from the Hellenistic Period of Israel. Israel Journal of Zoology **47**(4):271-273. 2001.
44. Bar-Oz, G., and T. Dayan. "After 20 years": A taphonomic re-evaluation of Nahal Hadera V, an Epipaleolithic site on the Israeli coastal plain. Journal of Archaeological Science **29**:145-156. 2002.
45. Dayan, T., D. Wool, and D. Simberloff. On the variation and covariation of carnivore skulls and teeth. Paleobiology **28**(4):508-526. 2002.
46. Meiri, S., and T. Dayan. On the validity of Bergmann's rule. Journal of Biogeography **30**:331-351. 2003.
47. Mandelik, Y., M.E. Jones, and T. Dayan. Structurally complex habitat and sensory adaptations mediate the behavioral responses of a desert rodent to an indirect cue for increased predation risk. Evolutionary Ecology Research. **5**: 501-515. 2003.
48. Kronfeld-Schor, N., and T. Dayan. Partitioning of time as an ecological resource. Annual Review of Ecology, Evolution and Systematics **34**:153-181. 2003.
49. Bar-Oz, G., and T. Dayan. 2003. Testing the use of multivariate taphonomic comparisons: The faunal analysis of Hefzibah in its Epipaleolithic cultural context. Journal of Archaeological Science **30**(7):885-900. 2003.
50. Smith, F.A., S.K. Lyons, M. Ernest, S.K., K.E. Jones, D.M. Kaufman, T. Dayan, P.A. Marquet, J.H. Brown, and J.P. Haskell. The body mass of late Quaternary mammals. Ecology **84**(3402). 2003.
51. Bar-Oz, G., T. Dayan, M. Weinstein-Evron, and D. Kaufman. The Natufian economy at el-Wad Terrace with special reference to gazelle exploitation patterns. Journal of Archaeological Science **31**:217-231. 2004.

## **REFEREED ARTICLES** (cont.)

52. Meiri, S., T. Dayan, and D. Simberloff. Body size of insular carnivores: little support for the island rule. American Naturalist **163**(3):469-479. 2004.
53. Meiri, S., T. Dayan, and D. Simberloff. Carnivores, biases and Bergmann's rule. Biological Journal of the Linnean Society **81**:579-588. 2004.
54. Smith, F.A., J.H. Brown, J.P. Haskell, S.K. Lyons, J. Alroy, E.L. Charnov, T. Dayan, B.J. Enquist, S.K.M. Ernest, E.A. Hadly, D. Jablonski, D.E. Jones, D.M. Kaufman, S.K. Lyons, P. Marquet, K. Niklas, B.A. Maurer, W. Porter, K. Roy, B. Tiffney, and M. Willig. Similarity of mammalian body size across the taxonomic hierarchy and across space and time. American Naturalist **163**(5):672-691. 2004.
55. Maurer, B., J. Alroy, J.H. Brown, T. Dayan, B. Enquist, S.K. Morgan Ernest, E. Hadly, J.P. Haskell, D. Jablonski, K.E. Lyons, D.M. Kaufman, K. Lyons, K.J. Niklas, W. Porter, K. Roy, F.A. Smith, B. Tiffney, and M.R. Willig. Similarities in body size distributions of small-bodied flying vertebrates. Evolutionary Ecology Research **6**:783-797. 2004.
56. Gutman, R., and T. Dayan. Temporal partitioning between spiny mouse species: An experimental field study. Ecology **86**(1):164-173. 2005.
57. Bar-David, S., D. Saltz, T. Dayan, A. Perelberg, and A. Dolev. Demographic models and reality in reintroductions: the Persian fallow deer in Israel. Conservation Biology **19**(1):131-138. 2005.
58. Weissbord, L., T. Dayan, D. Kaufman, and M. Evron. Micromammal taphonomy of el-Wad Terrace, Mt. Carmel, Israel: distinguishing cultural from natural depositional agents in the Late Natufian. Journal of Archaeological Science **32**:1-17. 2005.
59. Meiri, S., T. Dayan, and D. Simberloff. Biogeographic patterns in the western Palearctic: the fasting endurance hypothesis and the status of Murphy's rule. Journal of Biogeography **32**:369-375. 2005.
60. Mandelik, Y., T. Dayan, and E. Feitelson. Planning for biodiversity: the role of ecological impact assessment. Conservation Biology **19**(4):1254-1261. 2005.
61. Haber, A., and T. Dayan. Analyzing the process of domestication: Hagoshrim as a case study. Journal of Archaeological Science **31**:1587-1601. 2004.
62. Mandelik, Y., T. Dayan, and E. Feitelson. Issues and dilemmas in ecological scoping: Scientific, procedural and economic perspectives. Impact Assessment and Project Appraisal **23**(1):55-63. 2005.
63. Meiri, S., T. Dayan, and D. Simberloff. Variability and sexual size dimorphism in insular and mainland carnivores: a test of the niche variation hypothesis. Ecology **86**(6):1432-1440. 2005.
64. Meiri, S., D. Simberloff, and T. Dayan. Insular carnivore biogeography: Island area and mammalian optimal body size. American Naturalist **165**(3):505-514. 2005.

## **REFEREED ARTICLES** (cont.)

65. Meiri, S., T. Dayan, and D. Simberloff. Variability and correlations in carnivore crania and dentition. Functional Ecology **19**:337-343. 2005.
66. Bar-David, S., D. Saltz, and T. Dayan. Predicting the spatial dynamics of reintroduced populations – The Persian fallow deer. Ecological Applications **15**(5):1833-1846. 2005.
67. Dayan, T., and D. Simberloff. Ecological and community-wide character displacement: The next generation. Ecology Letters **8**:875-894. 2005.
68. Meiri, S., T. Dayan, and D. Simberloff. Area, isolation, and size evolution in insular carnivores. Ecology Letters **8**:1211-1217. 2005.
69. Pinter, N., T. Dayan, N. Kronfeld-Schor, and D. Eilam. Aggressive interactions between competing spiny mouse species. Journal of Mammalogy **87**:48-53. 2006.
70. Meiri, S., T. Dayan, and D. Simberloff. The generality of the island rule reexamined. Journal of Biogeography **33**:1571-1577. 2006.
71. Roll, U., T. Dayan, and N. Kronfeld-Schor. On the role of phylogeny in determining activity patterns of rodents. Evolutionary Ecology **20**(5):479-490. 2006.
72. Roll, U., T. Dayan, and D. Simberloff. Non-indigenous insect species in Israel and adjacent areas. Biological Invasions **9**(6):629-643. 2007.
73. Bar-Oz, G., and T. Dayan. On the use of the petrous bone for estimating cranial abundance in fossil assemblages. Journal of Archaeological Science **34**(9):1356-1360. 2007.
74. Kronfeld-Schor, N., and T. Dayan. Activity patterns of rodents: The physiological ecology of biological rhythms. Biological Rhythms Research **39**(3):193-211. 2008.
75. Roll, U., T. Dayan, D. Simberloff, and M. Goren. Characteristics of the introduced fish fauna of Israel. Biological Invasions **9**(7):813-824. 2007.
76. Levy, O., T. Dayan, and N. Kronfeld-Schor. The relationship between the golden spiny mouse circadian clock and its diurnal activity: An experimental field and laboratory study. Chronobiology International **24**(4):599-613. 2007.
77. Mandelik, Y., V. Chikatunov, V. Kravchenko, and T. Dayan . Reliability of a higher-taxon approach to richness, rarity, and composition assessments at the local scale. Conservation Biology **21**(6):1506-1515. 2007.
78. Meiri, S., T. Dayan, and D. Simberloff. Guild composition and mustelid morphology – character displacement but no character release. Journal of Biogeography **34**(12):2148-2158. 2007.
79. Roll, U., T. Dayan, and D. Simberloff. Non-indigenous terrestrial vertebrates in Israel and adjacent areas. Biological Invasions **10**(5):659-672. 2008.

## **REFEREED ARTICLES** (cont.)

80. Zohar, I., M. Belmaker, D. Nadel, S. Gafny, M. Goren, I. Hershkovitz, and T. Dayan. The living and the dead: How do taphonomic processes modify relative abundance and skeletal completeness of freshwater fish? Palaeogeography, Palaeoclimatology, Palaeoecology **258**:292-316. 2008.
81. Sapir-Hen, L., G. Bar-Oz, I. Hershkovitz, N. Raban-Gerstel, N. Marom, and T. Dayan. Paleopathology survey of ancient mammal bones in Israel. Veterinarija ir Zootechnika. **42**:62-70. 2008.
82. Meiri, S., D. Guy, T. Dayan, and D. Simberloff. Global change and carnivore body size: data are stasis. Global Ecology and Biogeography **18**:240-247. 2009.
83. Roll, U., T. Dayan, D. Simberloff, and H.K. Mienis. Non-indigenous land- and freshwater gastropods in Israel. Biological Invasions **11**:1963-1972. 2009.
84. Bar-David, S., D. Saltz, T. Dayan, and Y. Shkedy. Using spatially expanding populations as a tool for evaluating landscape planning: the Persian fallow deer as a case study. Journal for Nature Conservation **16**:164-174. 2008.
85. Meiri, S., T. Dayan, D. Simberloff, and R. Greyner. Life on the edge: Carnivore body size is all over the place. Proceedings of the Royal Society B **276**:1469-1476. 2009.
86. Buse, J., T. Levanony, A. Timm, T. Dayan, and T. Assmann. Saproxylic beetle assemblages of three managed oak woodlands in the East-Mediterranean. Zoology in the Middle East **45**:55-66. 2008.
87. Vonshak, M., T. Dayan, and N. Kronfeld-Schor. Community structure of rocky desert rodents: Diel, seasonal, and spatial resource variation. Journal of Arid Environments **73**(4-5):458-462. 2009.
88. Sapir-Hen, L., G. Bar-Oz, H. Khalaily, and T. Dayan. Gazelle exploitation in the early Neolithic site of Motza: the last of the gazelle hunters in the southern Levant. Journal of Archaeological Science **36**:1538-1546. 2009.
89. Vonshak, M., T. Dayan, J. Foucaud, A. Estoup, and A. Hefetz. The interplay between genetic and environmental effects on colony insularity in the clonal little fire and *Wasmannia auropunctata*. Behavioral Ecology & Sociobiology. 2010. (in press)
90. Timm, A., J. Buse, T. Dayan, W. Hardtle, T. Levanony, and T. Assmann. At the interface of historical and present-day ecology: ground beetles in woodlands and open habitats in Upper Galilee (Israel). Zoology in the Middle East **47**:93-104. 2009.
91. Vonshak, M., T. Dayan, A. Ionesco-Hirsch, A. Freidberg, and A. Hefetz. The little fire ant *Wasmannia auropunctata*: a new invasive species in the Middle East. Biological Invasions. 2010. (in press)
92. Justo-Hanani, R., T. Dayan, and A. Tal. The role of regulatory decision-making on non-indigenous species introductions. Biological Invasions. 2010. (in press)

## **REFEREED ARTICLES** (cont.)

93. Buse, J., T. Levanony, A. Timm, T. Dayan, and T. Assmann. Saproxyllic beetle assemblages in the Mediterranean region: Impact of forest management on richness and structure. *Forest Ecology and Management* 259:1376-1384. 2010.
94. Westphal, C., G. Von Oheimb, M. Meyer-Grunfeld, N. Tremer, W. Hardtle, T. Levanony, T. Dayan, and T. Assmann. Ya'ar Bar'am – An old *Quercus calliprinos* forest of high nature conservation value in the Mediterranean region of Israel. *Israel Journal of Plant Sciences* 57:13-23. 2009.

### Submitted for publication

1. Levy, O., T. Dayan, and N. Kronfeld-Schor. Diurnal desert golden spiny mice increase torpor use in summer: A field enclosure study. *Physiological and Biochemical Zoology*. 2010. (in revision)
2. Gutman, R., T. Dayan, I. Schubert, and N. Kronfeld-Schor. The effect of the lunar cycle on stress hormone levels and foraging ecology of nocturnal and diurnally active spiny mice. *Ecology*. 2010. (revised and resubmitted)
3. Rotics, S., T. Dayan, and N. Kronfeld-Schor. The effect of artificial illumination on temporally partitioned spiny mice. *Journal of Mammalogy*. 2010.
4. Rotics, S., T. Dayan, and N. Kronfeld-Schor. Light masking in the field: an experiment with nocturnal and diurnal spiny mice. *Chronobiology International*. 2010. (in revision)

### In preparation

1. Account of the common spiny mouse (*Acomys cahirinus*) for Mammalian Species (assigned by Editor; with N. Kronfeld-Schor).

## **D. CHAPTERS IN BOOKS**

1. Dayan, T., E. Tchernov, Y. Yom-Tov, and D. Simberloff. On the use of mammalian size for inferring paleoclimatic change. In: Spanier, E., Y. Steinberger, and M. Luria (eds.) Environmental Quality and Ecosystem Stability: Vol. IV-B. Environmental Quality. ISEEQS Pub., Jerusalem, Israel. Pp. 73-80, 1989.
2. Dayan, T. The impact of paleoclimatic change on the carnivore community of Israel. In: Gasith, A., A. Adin, Y. Steinberger and J. Garty (eds.) Environmental Quality and Ecosystem Stability: Vol. V-B. Ecosystem Stability. ISEEQS Pub., Jerusalem, Israel. Pp. 682-689, 1992.
3. Dayan, T., E. Tchernov, D. Simberloff, and Y. Yom-Tov. Tooth size: Function and coevolution in carnivore guilds. In Smith, P., and E. Tchernov (eds.) Structure, Function, and Evolution of the Teeth. Freund Publishing House, London. Pp. 215-222, 1992.
4. Dayan, T., D. Simberloff, and E. Tchernov. Morphological change in Quaternary Mammals: A role for species interactions. In: Martin, R.A., and A.D. Barnosky (eds.)

**D. CHAPTERS IN BOOKS (cont.)**

5. Zohar, I., T. Dayan, E. Spanier, E. Galili, and O. Lernau. Exploitation of grey triggerfish (*Balistes carolinensis*) by the prehistoric inhabitants of Atlit-Yam, Israel: a preliminary report. In: Van Neer, W. (ed.) Fish Exploitation in the Past. Proceedings of the 7th Meeting of the ICAZ Fish Remains Working Group, Annals de Musee Royal de l'Afrique Centrale, Sciences Zoologiques, Tervuren, Belgique. Vol. 274, Pp. 231-237. 1994.
6. Dayan, T., and D. Simberloff. Patterns of size separation in carnivore communities. In: Gittleman, J.L. ed. Carnivore Behavior, Ecology, and Evolution, Vol. 2. Cornell University Press, Ithaca and London. Pp. 243-266. 1996.
7. Kronfeld, N., E. Shargal, and T. Dayan. Population biology of coexisting *Acomys* species. In: Steinberger, Y. (ed.) Preservation of Our World in the Wake of Change Vol VI. ISEEQS Pub., Jerusalem, Israel. Pp. 478-480. 1996.
8. Nitsan, R., and T. Dayan. Microhabitat selection of *Apodemus mystacinus* and *A. flavicollis* on Mt. Carmel, Israel. In: Steinberger, Y. (ed.) Preservation of Our World in the Wake of Change Vol VI. ISEEQS Pub., Jerusalem, Israel. Pp. 470-474. 1996.
9. Martinez, J.J., and T. Dayan. Sexual size dimorphism in four *Harduus* of Israel and Sinai. In: Steinberger, Y. (ed.) Preservation of Our World in the Wake of Change Vol VI. ISEEQS Pub., Jerusalem, Israel. Pp. 523-526. 1996.
10. Bar-Oz, G., T. Dayan, and D. Kaufman. Taphonomic analysis of Neve David, a Geometric-Kebaran hunter-gatherer site. In: Buitenhuis, H., L. Bartosiewicz, and A.M. Choyke (eds.) Archeozoology of the Near East III. Groningen Institute for Archaeology, Groningen. Pp. 72-79. 1998.
11. Simberloff, D., L. Stone, and T. Dayan. Ruling out a community assembly rule: the method of favored states. In: Weiher, E., and P. Keddy (eds.) Assembly Rules. Cambridge University Press. Pp. 58-74. 1998.
12. Dayan, T. 1999. Faunal remains. In: Beit-Aryeh, I. (ed.) Tel Ira: A stronghold in the Biblical Negev. Emery and Claire Yass Publications in Archaeology of the Institute of Archaeology, Tel Aviv University. 1999.
13. Bar-David, S., A. Dolev, T. Dayan, and D. Saltz. Behavioral and ecological aspects of reintroduced Persian fallow deer (*Dama dama mesopotamica*). In: Zomborsky, Z. (ed.) Advances in Deer Biology. Proceedings of the 4<sup>th</sup> International Deer Biology Congress, Kaspovar. Pp. 41-44. 1998.
14. Dayan, T. Ecology, Evolution, and Zooarcheology: the analysis of mammalian remains from archaeological sites. In: Gitin, S., and S. Pike (eds.) The Practical Impact of Science on Near Eastern and Aegean Archaeology, Archetype Press, London. Pp. 47-52. 1999.

15. Dayan, T., and E. Galili. A preliminary look at some new domesticated dogs from submerged Neolithic sites off the Carmel coast. In: Crockford, S.J. (ed.) Dogs through time: An archeological perspective. British Archaeological Reports International Series, Oxford. 2000.

#### **D. CHAPTERS IN BOOKS** (cont.)

16. Bar-Oz, G., and T. Dayan. On the use of the petroselinum bone to detect taphonomic destruction in fossil assemblages. In De Renzi, M, M.V.P. Alonso, M. Belinchon, E. Penalver, P. Montoya, and A. Marquez-Aliaga (eds.) Current Topics on Taphonomy and Fossilization. Oficina de Publicaciones, Valencia, Spain. Pp. 453-456. 2002.
17. Mandelik, Y., T. Dayan, and E. Feitelson. Ecological impact assessment in Israel: a review of environmental statements. Proceedings of the 22<sup>nd</sup> Annual Conference of the International Association for Impact Assessment, The Hague. 2002.
18. Bar-Oz, G., and T. Dayan. Taphonomic analysis of the faunal remains from Nahal Hadera V. In (H. Buitenhuis, A. H. Al-Shiyab, M. Mashkour and A. Choyke, Eds) Archaeozoology of the Near East V. Groningen Institute for Archaeology, Groningen. Pp. 40-47. 2002.
19. Haber, A., T. Dayan, and N. Getzov. 2005. Pig exploitation in Hagoshrim: A prehistoric site in the southern Levant. In (Helmer D., J. Peters, and J.-D. Vigne eds.) New methods and the first steps of the domestication of mammals. Oxbow Books, UK.
20. Bar-Oz, G., and T. Dayan. Zooarcheological diversity and paleoecological reconstruction of the Epipaleolithic faunal sequence in the northern coastal plain and the slopes of Mt. Carmel, Israel. In (H. Buitenhuis, A.M. Choyke, L. Martin, L. Bartosiewicz, and M. Mashkour eds.) Archaeozoology of the Near East VI. Groningen Institute for Archaeology. Groningen. Pp. 50-60. 2005.
21. Timm, A., T. Dayan, T. Levanony, D.W. Wrase, and T. Assmann. Towards combined methods for recording ground beetles: pitfall traps, hand picking and sifting in Mediterranean habitats of Israel. In (L. Penev, T. Erwin and T. Assmann eds.) Back to the Roots and Back to the Future. Towards a New Synthesis Amongst Taxonomic, Ecological and Biogeographical Approaches in Carabidology. Proceedings of the XIII European Carabidologists Meeting, Blagoevgrad. Pensoft Publishers, Sofia-Moscow. Pp. 397-404. 2008.

#### **E. PAPERS PRESENTED AT SCIENTIFIC MEETINGS**

- 1985 Faunal composition and the paleoecology of Ujrat el-Mehed, a Neolithic site in southern Sinai.  
11th Archaeological Conference in Israel (invited paper).
- 1986 Faunal composition and the paleoecology of Ujrat el-Mehed, a Neolithic site in southern Sinai.  
22nd meeting of the Zoological Society of Israel.
- 1987 Character displacement in the red fox in the Saharo-Arabian region.  
24th meeting of the Zoological Society of Israel.
- 1989 Tooth size: function and coevolution in carnivore guilds.



8th International Symposium on Dental Morphology.

- 1989 On the use of mammalian size for inferring paleoclimatic change.  
4th Int. Conference: Environmental Quality and Ecosystem Stability (invited paper).
- 1990 Bergmann - the rule and the exceptions: paleoclimatic inferences from mammalian size change.  
6th International Conference of the International Council for Archaeozoology.

**E. PAPERS PRESENTED AT SCIENTIFIC MEETINGS (cont.)**

- 1990 Tooth size and its ecological significance in coexisting heteromyid rodents.  
70th Annual Meeting of the American Society of Mammalogists.
- 1990 Morphological relationships among carnivore and rodent guilds: Putting a bite into character displacement.  
4th International Congress of Systematic and Evolutionary Biology (invited paper).
- 1991 Morphological change in Quaternary mammals: A role for species interactions.  
A symposium entitled: "Morphological Change in Quaternary Mammals of North America: Integrating Case Studies and Evolutionary Theory".
- 1991 Teeth: Skeletons in the closet of paleontology.  
28th meeting of the Zoological Society Israel.
- 1992 Morphological relationships and sexual-size dimorphism among the mustelids of the British Isles.  
29th Meeting of the Zoological Society of Israel.
- 1993 Invited to participate in a workshop entitled: "The different kinds of community structure - how do we reconcile them?"  
6th International Theriological Congress.
- 1995 Food preferences of two spiny mouse species (*Acomys cahirinus* and *A. russatus*) and a new method for the study of food habits.  
Seed size selection in gerbils.  
26th Annual Meeting of the Israel Society for Ecology and Environmental Quality Sciences.
- 1995 The response of the vole to owl calls: freeze, flee and increase in stress hormones.  
32nd meeting of the Zoological Society of Israel.
- 1996 Population biology of coexisting *Acomys* species.  
Microhabitat selection of *Apodemus mystacinus* and *A. flavicollis* on Mt. Carmel, Israel.  
Sexual size dimorphism in four Harduns of Israel and Sinai.  
6th International Conference of the Israel Society for Ecology and Environmental Quality Sciences, Jerusalem (chaired an ecology session).
- 1996 The succession of Quaternary carnivores of Israel.  
Taphonomic analysis of Neve David, a Geometric-Kebaran hunter-gatherer site.

3rd International Congress of the International Council for Archaeozoology (ICAZ): Archaeozoology of Southwest Asia and Adjacent Areas (ASWA) Working Group.

**E. PAPERS PRESENTED AT SCIENTIFIC MEETINGS (cont.)**

- 1996 Ecology, evolution and zooarcheology: The analysis of mammalian remains from archeological sites (invited paper).  
Workshop on the Practical Impact of Science on Field Archaeology.
- 1996 Coexistence among two species of *Acomys*: Population biology and spatial relationships. Resistance of the common spiny mouse (*Acomys cahirinus*) to the strikes of the Palestine saw-scaled viper (*Echis coloratus*).  
Faunal remains from Neve David, a Geometric -Kebaran hunter gatherer site.  
Microhabitat selection of two species of wood mice on Mt. Carmel, Israel.  
Sexual size dimorphism in the agamid lizards of Israel.  
33rd meeting of the Zoological Society of Israel, Tel Aviv.
- 1996 Annual meeting of the Israel Society of Prehistory, Tel Aviv.
- 1997 Ecological and biochemical aspects of seasonal acclimation of two spiny mouse species.  
28th Annual Meeting of the Israel Society for Ecology and Environmental Quality Sciences, Haifa (chaired a paleoecology session).
- 1997 Convergence in morphological patterns and community organization between old and new world rodent guilds (invited poster).  
Temporal partitioning among spiny mice: a comparative eye histology study (poster).  
Microhabitat selection of two coexisting wood mouse (*Apodemus*) species (poster).  
Tail autotomy in spiny mice (*Acomys*): an anti-predatory defense mechanism? (poster).  
The mammal collection of the Tel Aviv University Zoological Museum (poster).  
7th International Theriological Congress, Acapulco, Mexico.
- 1997 Annual meeting of the Israel Society of Prehistory, Haifa.
- 1997 Seasonal physiological costs of diurnal and nocturnal activity of desert spiny mice.  
Tail-loss in spiny mice (poster).  
34th meeting of the Zoological Society of Israel, Tel Aviv.
- 1998 Tail-loss in spiny mice and other rodents.  
The effect of moonlight on foraging behavior and habitat use of the common spiny mouse, *Acomys cahirinus*.  
The Rodent and its Environment, 6th International Conference, Akko.
- 1998 Convergence in morphological patterns among mammals guilds (invited poster).  
GSA Penrose Conference on "Linking Spatial and Temporal Scales in Paleoecology and Ecology", Virginia, USA.
- 1998 Resource competition and sexual size dimorphism: testing the hypothesis (invited paper).

The effect of moonlight on foraging behavior and habitat use of the common spiny mouse, *Acomys cahirinus*.

29th Annual Meeting of the Israel Society for Ecology and Environmental Quality Sciences, Beer Sheba (chaired an ecology session).

**E. PAPERS PRESENTED AT SCIENTIFIC MEETINGS (cont.)**

- 1998 Behavioral and ecological aspects of reintroduced Persian fallow deer (*Dama dama mesopotamica*).  
The 4th International Deer Biology Congress, Kasporar, Hungary.
- 1998 New domesticated dogs from submerged sites off the Carmel coast (invited paper).  
Neve David and the Epipaleolithic faunal sequence in Israel.  
The faunal remains from Hagoshrim.  
Faunal remains from Iron Age Tel Dor: The significance of fishing.  
8th International Congress of the International Council for Archaeozoology, Canada.  
(chaired a specimen identification session).
- 1999 Status report on the natural history collections of Israel (invited paper).  
Home range characteristics of the reintroduced Persian fallow deer: topography and vegetation.  
Proceedings of the 7th International Conference of the Israel Society for Ecology and Environmental Quality Sciences. 1999.
- 1999 Coexistence of temporally partitioned spiny mice: roles of habitat structure and foraging behavior.  
34th meeting of the Zoological Society of Israel, Tel Aviv.
- 2000 Space use patterns of Persian fallow deer (*Dama dama mesopotamica*) following reintroduction.  
14th Annual Meeting of the Society for Conservation Biology, University of Montana, Missoula, Montana
- 2000 Taphonomic analysis of Nahal Hadera V.  
Analysis of the faunal remains from Hagoshrim.  
Annual meeting of the Israel Society of Prehistory, Jerusalem, Israel.
- 2000 Can reintroduced Persian fallow deer be a tool for woodland management?  
35th meeting of the Zoological Society of Israel, Beer Sheba.
- 2001 Factors influencing spatial movement and home range establishment of reintroduced population – the fallow deer in Nahal Kziv.  
The foraging behavior of the golden spiny mouse in absence of the common spiny mouse: on interspecific interference and temporal partitioning.  
31st Annual Conference of the Israel Society for Ecology & Environmental Quality Science, Tel-Aviv.
- 2001 Temporal partitioning between competing spiny mouse species: the role of exploitation competition and interference competition in competitive exclusion.  
81st Annual Meeting of the American Society of Mammalogists, Montana, USA.
2001. Modeling population growth in time and space following reintroduction.

**E. PAPERS PRESENTED AT SCIENTIFIC MEETINGS (cont.)**

- 2001 On dogs, domestication, and morphology: new answers to old truths.  
Back to the basic issue of depositional agent, natural or cultural--the taphonomy of micromammal remains from el-Wad Terrace, Mt. Carmel.  
Annual meeting of the Israel Society of Prehistory, Haifa.
- 2002 Ecological impact assessment in Israel: a review of Environmental Statements.  
22<sup>nd</sup> Annual Conference of the International Association for Impact Assessment, Hague.
- 2002 Modeling population growth in time and space of reintroduced Persian fallow deer in Israel.  
16<sup>th</sup> Annual Meeting of the Society for Conservation Biology, Canterbury, UK.
- 2002 Can population expansion be modeled based on short-term data? Reintroduced Persian fallow deer in Israel.  
Influence of the lunar cycle on diurnal and nocturnal foraging behavior of spiny mice.  
Systematic relations and activity patterns in the order Rodentia.  
Coexistence of competing spiny mouse species: on foraging tradeoffs and temporal partitioning.  
IX European Ecological Congress (Eureco '02), Lund, Sweden.
- 2002 On time scales, morphological change and variation: a close look at early domesticated dogs.  
Domestication of pigs in the Southern Levant: Hagoshrim as a case study.  
Taphonomy of the small mammal remains (rodents and insectivores) from the el-Wad Terrace.  
Testing the use of multivariate intersite taphonomic comparisons.  
9<sup>th</sup> Conference of the International Council of Archaeozoology, Durham, UK.
- 2002 The Epipaleolithic faunal sequence in the coastal plain of Israel.  
ASWA 2002, Archaeozoology of Southwest Asia, London, UK.
- 2002 The global biodiversity crisis.  
Workshop on biodiversity in the Arava Valley, Aqaba, Jordan.
- 2002 Early dog domestication: when, where, and why.  
Dog symposium: wolf myth, hero, friend, Natural History Museum of Los Angeles County, Los Angeles, California.
- 2003 Environmental aspects of genetically modified organisms.  
National expert meeting: "Towards public discourse on agricultural biotechnology and genetically engineered food in Israel", sponsored by the Heschel Center for Environmental Learning and Leadership and the Porter School of Environmental Science, Israel.

- 2003 Reintroduction effect on survival rate and reproduction success of reintroduced Persian fallow deer.  
Planning for biodiversity: the role of ecological impact assessment in Israel.  
17<sup>th</sup> Annual Meeting of the Society for Conservation Biology, Duluth, Minnesota.
- 2003 Radiation patterns of Persian fallow deer following reintroduction.  
Third International Wildlife Management Congress, Christchurch, New Zealand.
- 2004 Biodiversity.  
Helmholtz Dead Sea Project Kick-off Conference (invited lecture), Jordan.
- 2004 Impact of global climate change, changes in water resources, and changes in land-use patterns on biodiversity.  
GLOWA JR Status Conference, Potsdam, Germany.
- 2004 Parataxonomy as a conservation tool.  
Species diversity in afforested areas: comparison of beetles, spiders, and plants in the Judean foothills.  
Do analyses of open landscape quality represent biodiversity? The Judean Mountains and foothills as a case study.  
33<sup>rd</sup> Annual Meeting of the Israel Society for Ecology & Environmental Quality Sciences (ISEEQS).
- 2004 Planning for landscape connectivity in Israel using a spatially-explicit model of a reintroduced Persian fallow deer.  
Biodiversity quantification; are vegetation structure and richness reliable indicators of species richness in Mediterranean ecosystems?  
18<sup>th</sup> Annual Meeting of the Society for Conservation Biology, New York.
- 2004 On community ecology, ecological communities, and rocky desert rodents (invited paper).  
Israel Society of Microbiology, Microbial Ecology Fall Workshop, the Dead Sea, Israel.
- 2005 Global change and biodiversity in the Jordan River basin: an interim report (invited lecture).  
GLOWA JR Project: 4<sup>th</sup> Annual Conference, Karei Deshe, Israel.
- 2005 Rapid biodiversity assessment at the local scale: is the higher taxa approach a reliable shortcut?  
Afforestation in Mediterranean ecosystems: The role of semi-natural afforested habitats in supporting native plants and arthropods.  
The 1<sup>ST</sup> DIVERSITAS Open Science Conference, Mexico.
- 2006 Pooled Double Sampling: A new approach for estimating chukar (*Alectoris Chukar*) density. The faunal remains from the Early Pre-Pottery Neolithic site of Motza – gazelle hunting and exploitation patterns.  
The effects of competition and predation risk on the foraging behavior of three species of rocky desert rodents.  
Arthropods in pine plantations vs. natural maquis – comparing the community composition of spiders, beetles and moths.  
42<sup>nd</sup> meeting of the Zoological Society of Israel, Rehovot, Israel.
- 2007 Biodiversity and pollination services provided by bees in natural and agricultural landscapes of the Arava Rift Valley.

Reptile diversity in three habitats: planted forest, maquis and Mediterranean batha in the Meron mountain range  
43<sup>rd</sup> meeting of the Zoological Society of Israel, Achva College, Israel.

**E. PAPERS PRESENTED AT SCIENTIFIC MEETINGS (cont.)**

- 2008 Planning for the future: Global climate change and biodiversity (invited paper).  
The 5<sup>th</sup> Congress of the Federation of the Israel Societies for Experimental Biology, Eilat.
- 2008 Forest management and biodiversity conservation: a timely challenge for KKL (invited paper)  
World Leadership Conference on Israel's 60<sup>th</sup> anniversary, KKL-JNF, Eilat.
- 2008 Biodiversity (invited paper).  
Jerusalem Environment & Nature Conference.
- 2008 First International Congress DocumentingFINISH ALL TALKS HERE
- 2008 Patterns of biodiversity in natural Mediterranean landscapes and pine plantations in Israel.  
German-Israel Agro-Forestry Mini-Symposium, Rehovot, Israel.
- 2008 Climate change and the survival of biodiversity (invited paper).  
Tel Aviv Science, Technology, and Defense Workshop, 43<sup>rd</sup> meeting.

**G. OTHER PUBLICATIONS**

1. Tamar Dayan—Ecology in Practice: a vignette on personal ecological research and contributions. Pages 532-533 in Stiling, P. Ecology: Theories and Applications. Prentice Hall, New Jersey. 1999.
2. Arnon, R., and T. Dayan. Species diversity and biological collections. Bulletin of the Israel National Academy of Sciences and Humanities 17:8-9. 1999. (in Hebrew).
3. Gavrieli, Y., and T. Dayan. Who will survive in the next millennium? The species diversity crisis. Mada 2000: A Journal of Science and Technology 26:30-36. 2000. (in Hebrew).
4. Mandelik, Y., R. Gutman, and T. Dayan. Indicators for biodiversity. Report for the Jerusalem Institute (in Hebrew). 2002.

**E. PAPERS PRESENTED AT SCIENTIFIC MEETINGS (cont.)**

5. Dayan, T. The natural history collections in the higher education system of Israel: a status report on a national project. Bulletin of the Israel National Academy of Sciences and Humanities 28:30-33. 2006. (in Hebrew).

**Reviews**

1. Cato, P.S., and C. Jones (eds.). Natural History Museums: Directions for Growth. Texas Tech University Press, 252 pp, 1991.

- Vickers-Rich, P., J.M. Monaghan, B.F. Baird, and T.H. Rich (eds.). Vertebrate Palaeontology of Australasia. Pioneer Design Studio in cooperation with the Monash Univ. Pubs. Committee, 1437 pp, 1991.

## **G. OTHER PUBLICATIONS** (cont.)

### Reviews (cont.)

- Behrensmeyer, A.K., J.D. Damuth, W.A. DiMichele, R. Potts, H.-D. Sues, and S.L. Wing. Terrestrial Ecosystems through Time: Evolutionary Paleoecology of Terrestrial Plants and Animals. The University of Chicago Press, Chicago and London, 568 pp, 1992.
- Dunning, J.D. Jr. CRC Handbook of Avian Body Masses. CRC Press, Boca Raton, 371 pp, 1992.
- Sheldon, J.W. Wild Dogs: the Natural History of the Nondomestic Canidae. Academic Press Inc., San Diego, 248 pp, 1992.
- Wake, M. (ed.). Hyman's Comparative Vertebrate Anatomy. 3rd ed. The University of Chicago Press, Chicago and London, 1992.
- Hayssen, V., A. van Tienhoven, and A. van Tienhoven. Asdell's Patterns of Mammalian Reproduction. Cornell Univ. Press, Ithaca and London, 1023 pp, 1993.

### Abstracts

- Dayan, T. Faunal composition and the paleoecology of Ujrat el-Mehed, a Neolithic site in southern Sinai. Israel Journal of Zoology **33**:126, 1984-85.
- Dayan, T., E. Tchernov, and Y. Yom-Tov. Ecological character displacement in the red fox *Vulpes vulpes* in the Saharo-Arabian region. Israel Journal of Zoology **35**:96-97, 1988-89.
- Dayan, T., E. Tchernov, Y. Yom-Tov, and D. Simberloff. Bergmann - the rule and the exceptions: paleoclimatic inferences from mammalian size change. Proceedings of the 6th International Conference of the International Council for Archaeozoology. 1990.
- Dayan, T., and D. Simberloff. Tooth size and its ecological significance in coexisting heteromyid rodents. Proceedings of the 70th Annual Meeting of the American Society of Mammalogists. 1990.
- Dayan T. Morphological relationships among carnivore and rodent guilds: putting a bite into character displacement. Proceedings of the 4th International Congress of Systematic and Evolutionary Biology. 1990.
- Dayan, T., D. Wool, and D. Simberloff. Teeth: skeletons in the closet of paleontology? Proceedings of the 28th Meeting of the Zoological Society of Israel. 1991.

7. Dayan, T. and D. Simberloff. Morphological relationships and sexual-size dimorphism among the mustelids of the British Isles. Proceedings of the 29th Meeting of the Zoological Society of Israel. 1992.

## **G. OTHER PUBLICATIONS** (cont.)

### Abstracts (cont.)

8. Zohar, I., T. Dayan, E. Spanier, E. Galili, and O. Lernau. Exploitation of marine resources by the prehistoric inhabitants of the East Mediterranean coast: the case of the Gray Triggerfish (*Balistes carolinensis*). Proceedings of the 7th Meeting of the ICAZ Fish Remains Working Group. 1993.
9. Kronfeld, N., and T. Dayan. Food preferences of two spiny mouse species (*Acomys cahirinus* and *A. russatus*) and a new method for the study of food habits. Proceedings of the 26th Annual Meeting of the Israel Society for Ecology and Environmental Quality Sciences (in Hebrew). 1995.
10. Rachmut, A., and T. Dayan. Seed size selection in gerbils. Proceedings of the 26th Annual Meeting of the Israel Society for Ecology and Environmental Quality Sciences (in Hebrew). 1995.
11. Shulman, I., S. Ben-Eliyahu, C. Hendrie, D. Eilam, and T. Dayan. The response of the vole to owl calls: freeze, flee and increase in stress hormones. Israel Journal of Zoology **42**:80-81, 1996.
12. Zohar, I., E. Spanier, and T. Dayan. Exploitation of the gray triggerfish *Balistes carolinensis* at the beginning of the Holocene. Israel Journal of Zoology **42**:89, 1996.
13. Rachmut-Ben Moshe, A., and T. Dayan. Seed size selection and morphological relationships among the Gerbillidae of Israel. Israel Journal of Zoology **42**:79, 1996.
14. Kronfeld, N., T. Dayan, A. Haim, and N. Zisapel. Activity and temperature rhythms of spiny mice: the cost of temporal partitioning. Proceedings of the 81st Meeting of the Ecological Society of America. Pp. 245, 1996.
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