

Name: IDO IZHAKI

Date: August 2009

CURRICULUM VITAE AND LIST OF PUBLICATIONS

I. CURRICULUM VITAE

1. Personal Details

Name: Ido Izhaki
Place and Date of Birth: Afula, Israel, March 1st, 1954
Date of Aliyah: -
Marital Status: Married + 2
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2. Higher Education

B.Sc. Biology: The Hebrew University of Jerusalem, 1976-1979, B.Sc. (with Distinction) Degree: May 1980.

Ph.D. Environmental Biology: The Hebrew University of Jerusalem, Department of Zoology, 1980-1986. Ph.D. Degree: May 1987.

Post-Doctoral Department of Biology, Kansas State University, USA 1986-1987.
Research Mitrani Center for Desert Ecology, Ben-Gurion University of the Negev, Israel 1987-1988.

3. Academic Ranks and Tenure in Institutes of Higher Education

Dates	Name of Institution and Department	Rank
1.12.04	University of Haifa – Oranim, Department of Science Education - Biology	Full Professor
1.10.99 – 30.11.04	University of Haifa – Oranim, Department of Science Education - Biology	Associate Professor
1994-1999	University of Haifa – Oranim, Department of Science Education - Biology	Senior Lecturer, Tenure
1991-1992	Technion, Faculty of Biology	Extra mural Teacher
1990-1995	University of Haifa – Oranim, Department of Science Education - Biology	Lecturer
1988-1990	University of Haifa – Oranim, Department of Science Education - Biology	Instructor Doctor
1987-1988	Ben-Gurion University of the Negev, Biology Dept.	Research Fellow
1986-1987	Kansas State University, Department of Biology	Research Fellow
1984-1986	The Hebrew University of Jerusalem, Department of Zoology	Instructor
1980-1984	The Hebrew University of Jerusalem, Department of Zoology	Teaching Assistant

Research Visits to Overseas Universities	
2001-2002	Sabbatical leave: Department of Zoology, University of Florida, U.S.A. Project: Post-fire seed dispersal.
1995-1996	Sabbatical leave: Department of Zoology, University of Florida, U.S.A. Project: Effects of seed-harvesting ants and controlled burning on an annual plant community.

4. Offices in University Academic Administration

Dates	Office
2009 -	Member of The University Promotion committee
2006 -	Member of Ph.D. committee, Department of Evolutionary and Environmental Biology.
2006	Member of the Senate, Haifa University
2004	Member of Scientific Equipment Committee, Research Authority, Haifa University.
2004	Member of a Teaching Committee for “Ofakim” – a unique B.A. program of Haifa University for excellent students.
2003 - 2005	Member of Scientific Equipment Committee, Department of Evolutionary and Environmental Biology.
2003 - 2005	Member of a Committee for Nomination of Teaching Fellows, Faculty of Science and Science Education.
2003 - 2005	Member of a Committee for promotion of Research Fellows/Senior Researchers, Research Authority, Haifa University.
2003, 2006	Member of Pilot Research Grants Committee, Research Authority, Haifa University
2001	Member of Postdoctoral Fellowships Committee, Research Authority, Haifa University.
2000 - 2001	Member of the Research Committee, Unit of Research and Evaluation, Oranim - The Academic College of Education and Oranim – University Division, University of Haifa.
1996 – 2000	Chairman of the Department of Biology, University of Haifa at Oranim.
1992 - 1995 1996 - 2001	Member of the Teaching Committee, Department of Biology, University of Haifa at Oranim.

5. Scholarly Positions and Activities Outside the University

Dates	Name of Institution and Department	Activity
2005- present	The Zoological Society of Israel	Chairman
1994-present	International Birdwatching Center, Eilat, Israel	Member of the scientific committee
1994-present	Open University, Tel-Aviv, Israel	Chief scientist, course development in ecology
1998-present	Society of Nature Protection in Israel	Member of public council
2004-present	The Zoological Society of Israel	Board member
2004	Ministry of Sciences	Member of the scientific committee – research grants
2001-2002	Ministry of Education, Jerusalem, Israel	Scientific advisor in the development of course and a textbook in Environmental Sciences
2001	MEDECOS 2003	Member of scientific committee
1998-1999	Medpine – Mediterranean Pines International Workshop, Feb. 1999	Organizer (with Dr. G. Ne'eman)
1998	6 th International Meeting of "Rodens & Spatium"	Member of the organizing committee
1987-1988	Mitrani Center for Desert Ecology, Ben-Gurion University of the Negev	Postdoctoral Research Fellow: "The load of herbivorous insects on primary production and reproduction of plants in desert habitats of the Negev"
1986-1987	Division of Biology, Kansas State University	Postdoctoral Research Fellow: "Reproductive strategies of wind-pollinated trees in the temperate deciduous forest"

Editorial Positions:

Dates	Journal	Activity
2008 -	The Open Zoology Journal	Member of the Editorial Board
2006 -	Israel Journal of Ecology & Evolution	Member of the Editorial Board
2004 -	Journal of Ornithology	Member of the Editorial Board

Referee for the Following Scientific Journals:

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| 1. Acta Oecologica | 15. Journal für Ornithologie |
| 2. African Journal of Ecology | 16. Journal of Animal Ecology |
| 3. American Naturalist | 17. Journal of Applied Ecology |
| 4. Behavioral Ecology and Sociobiology | 18. Journal of Arid Environments |
| 5. Biological Invasions | 19. Journal of Chemical Ecology |
| 6. Biological Journal of the Linnean Society | 20. Journal of Tropical Ecology |
| 7. Biotropica | 21. Journal Vie et Milieu- Life & Environment |
| 8. Copeia | 22. Oecologia |
| 9. Ecography | 23. Oikos |
| 10. Ecology | 24. Ostrich |
| 11. EcoScience | 25. Perspectives in Plant Ecology, Evolution and Systematics |
| 12. Ibis | 26. Plant Ecology |
| 13. Israel Journal of Ecology & Evolution | 27. Wilson J. of Ornithology |
| 14. Israel Journal of Zoology | |

Referee for the Following Research Grants Committees:

- 1) The Israel Academy of Sciences and Humanities - Basic Research (ISF).
- 2) The German-Israeli Foundation for Scientific Research and Development (GIF).
- 3) United States - Israel Binational Science Foundation (BSF).
- 4) The Israel Inter-University Fund for Ecology.
- 5) Grant Agency of the Czech Republic.
- 6) National Geographic Society.
- 7) Ministry of Sciences, Israel.
- 8) Ministry of Environment, Israel.
- 9) IALC – International Arid Land Consortium.
- 10) South African National Research Foundation (NRF).

6. Active Participation in Scholarly Conferences

A. International Conferences

	Conference	Place and Dates	Title of Your Presentation or Discussion
1)	Migration: Mechanism and Adaptive Significance	Austin, Texas, U.S.A., October 1983	The interdependence of migrating passerines and fruit-producing plants occurring of Palaearctic migration routes (with U. Safriel).
2)	The 19th International Ornithological Congress	Ottawa, Canada, June 1986	Fruit removal by birds in an eastern Mediterranean scrub as affected by fruit characteristics (with U. Safriel).
3)	The 8th Annual Meeting of the Prairie States Ecology Conclave	Louisville, Nebraska, May 1987	Why do migrating passerine birds eat fruits?
4)	The 13th Annual Meeting of the Guild of Rocky Mountain Population Biologists	Saratoga, Wyoming, September 1987	Seed-dispersal strategies among fruit-bearing plant dispersed by birds.
5)	Thermal Physiology Satellite Symposium of the XXXI International Congress of Physiological Sciences	Tromso, Norway, July 1989	Non-shivering thermogenesis and its ecological significance (with A. Haim).
6)	The 2nd Symposium of Frugivores and Seed Dispersal	Los Tuxtlas, Mexico, June 1991	The frugivorous nutrition of bulbuls (<i>Pycnonotus xanthopygos</i>).
7)	The 6th International Conference on Mediterranean Climate Ecosystems	Maleme, Crete, Greece, September 1991	The effect of burned pine trees on post-fire germination and establishment (with G. Ne'eman & H. Lahav).
			Removal of the green fruit of <i>Asparagus aphyllus</i> by birds - seed predation or dispersal? (with M. Adar & U. Safriel).
8)	The 5th International Conference on Environmental Quality and Ecosystem stability	Jerusalem, Israel, June 1992	Soil Microarthropods in post-fire pine forest on Mount Carmel, Israel (with M. Broza, D. Poliakov & S. Weber).
			Rodent populations recovering from fire in Mediterranean woodland (with A. Haim & O. Zohar).
9)	The 19th International Congress of Entomology	Beijing, China, June 1992	The aphid <i>Ctenocallis israelica</i> kills its host bush in a post-fire forest in Mt. Carmel, Israel (with

			M. Broza & H. Lahav).
10)	International Workshop on the Role of fire in Mediterranean Ecosystems	Banyuls-sur-mer, France, September 1992	Post-fire resilience of avifauna in east Mediterranean natural pine forest on Mount Carmel, Israel.
11)	SEB Annual Meeting	Canterbury, England, April 1993	Resilience to fire, the response of rodents to different management regimes (with A. Haim).
12)	Sixth International Theriological Congress	Sydney, Australia, July 1993	Comparative physiology of thermoregulation in rodents: adaptation to arid and mesic environment (with A Haim).
13)	South African Ornithological Society, 8th Thematic Symposium: Migration, Dispersal and Nomadism	Langabaan, South Africa, September 1993	Preliminary data on the importance of Israel for the conservation of the White pelican <i>Pelecanus onocrotalus</i> .
			Stopover and fat deposit by blackcaps <i>Sylvia atricapilla</i> following spring migration over the Sahara (with A. Maitav).
14)	The 2nd International Conference on Forest Fire Research	Coimbra, Portugal, November 1994	The effects of post-fire management on bird community succession in an East-Mediterranean natural pine forest on Mount Carmel, Israel (with M. Adar).
			Changes in the rodent community in pine woodland recovering from fire: The response to different management regimes (with A. Haim & A. Golan).
15)	10th International Bat Research Conference	Boston, U.S.A., August 1995	The fruit syndromes of the Egyptian fruit-bat <i>Rousettus aegyptiacus</i> in East-Mediterranean habitats (with C. Korine & Z. Arad).
			Food selection of the Egyptian fruit-bat <i>Rousettus aegyptiacus</i> in East-Mediterranean habitats (with C. Korine & Z. Arad).
	5th European Conference on Wildlife Telemetry	Strasbourg, France, August 1996	Migration of the Great White Pelican: the first satellite records (with M. Shmueli, Z. Arad & A.J. Crivelli).

16)	9th Pan-African Ornithological Congress	Accra, Ghana, December 1996	The energetic demands of the Great White Pelican during migration in Israel and its implication to the conflict between fish industry and pelicans (with M. Shmueli, Z. Arad & A.J. Crivelli).
17)	International Seminar: Migrating Birds Know No Boundaries	Jerusalem, Israel, September 1997	Pelican stop-over in Israel - is it a must? (with Z. Arad & M. Shmueli).
			Satellite tracking of wintering and migrating pelicans (with M. Shmueli, Z. Arad & A.J. Crivelli).
18)	International Workshop: Fire, Landscape and Dynamics in the Mediterranean Area	Banyuls-sur-Mer, France, September 1997	The relations between bird recovery and habitat structure after fire (with M. Arad).
			The response of a post fire forest habitat to mountain goat grazing (with A. Haim & A. Golan).
19)	VII International Congress of Ecology	Florence, Italy, July 1998	The role of amino acids and secondary compounds in fruits for animal-plant interactions in Mediterranean ecosystems.
20)	Medpine, International Workshop on Mediterranean Pines	Mt. Carmel, Israel, February 1999	Passerine birds in Mediterranean pine forests. (Invited Speaker)
			The effect of porcupine and bast scale on Aleppo pine recruitment after fire (with G. Ne'eman). (Invited Speaker)
21)	Eureco 99' - VIII European Ecological Congress - The European Dimension in Ecology	Halkidiki, Greece, September 1999	The effect of microhabitat on post-fire regeneration of soil seed banks in Aleppo pine forests (with G. Ne'eman).
22)	Waterbird Conservation and Management 23rd Annual Meeting and Workshops	Grado, Italy, November 1999	Comparative ontogenesis of Pygmy (<i>Palacrocorax pygmeus</i>) and Great (<i>P. carbo</i>) cormorants: morphometry and energetics (with M. Shmueli & Z. Arad).
			Prey detection and prey preference in diving cormorants

			(with T. Strod & Z. Arad).
			Behavioural and eco-physiological aspects of the Pygmy cormorant's biology (with M. Nathan, I. Zorovski, Z. Arad & G. Katzir).
23)	3rd International Symposium-Workshop on Frugivores and Seed Dispersal	Sao Pedro, Brazil, August 2000	The impact of the secondary metabolite emodin in <i>Rhamnus alaternus</i> fruits on fruit removal and seed predation (Invited Speaker)
			Secondary dispersers and the big unknown: Dynamics in the soil seed bank (with D.J. Levey & W.R. Silva). (Invited Speaker)
			Autumn migrants as the major dispersers of <i>Pistacia atlantica</i> - what determines the abundance of birds? (with N. Sapir & Z. Abramsky).
24)	5th International Conference on Cormorants- 2nd Meeting of Wetlands International Cormorant Research Group	Freising, Germany, December 2000	Turbid or not turbid - the cormorant's point of view (with T. Strod, G. Katzir & Z. Arad).
			Underwater visual acuity in the Great cormorant (with T. Strod, G. Katzir & Z. Arad).
25)	European Science Foundation, Scientific Program on Optimality in Bird Migration, Workshop on "Optimal bird migration - from theory to tests"	Wilhelmshaven Germany, December 2000	The significance of frugivory for passerine birds in an eastern Mediterranean scrubland at the desert edge (Invited Speaker)
26)	The 3rd European Vertebrate Pest Management Conference	Kibbutz Ma'ale Hachmisha, Israel, September 2001	Is the Egyptian fruit bat, <i>Rousettus aegyptiacus</i> , major agriculture pest in Israel? (with C. Korine & Z. Arad)
27)	Workshop: Optimality in Bird Migration	Lund, Sweden, February 2002	Stopover ecology of woodland autumn migratory passerines at a desert edge (with N. Sapir &

			Z. Abramsky)
28)	63rd Annual Meeting of the Association of Southeastern Biologists	Boone NC, U.S.A., April 2002	Seed chemistry of <i>Sophora chrysophylla</i> (mamane) in relation to the diet of the specialist seed predator <i>Loxioides bailleui</i> (palila) in Hawai'i (with M.L. Cipollini, P.C. Banko, G.W. Breton, E. Paulk & M. Wink).
29)	Symposium on: "Birds and Berries and Plant Secondary Metabolites: Frugivory, Detoxification and Utilisation"	Heidelberg, Germany, January 2003	Do secondary metabolites in fruits affect plant fitness? Experimental study on the effect of emodin (anthraquinone) on seed predation and seed removal in <i>Rhamnus alaternus</i> . (Invited Speaker)
30)	6th World Conference on Birds of Prey and Owls	Budapest, Hungary, May 2003	The effect of land-use and environmental factors on foraging and feeding patterns of the Griffon Vulture in Northern Israel (with L. Court, Y. Carmel & O. Bahat)
31)	Association for Research in Vision and Ophthalmology ARVO2003	Fort Lauderdale, Florida, U.S.A., May 2003	Underwater visual acuity in Great Cormorants, <i>Phalacrocorax carbo sinensis</i> in clear and turbid water (with G. Katzir, T. Strod & Z. Arad)
32)	The 3rd International Wildlife Management Congress	Christchurch, New Zealand, December 2003	The effect of land-use and environmental factors on foraging and feeding patterns of the Griffon Vulture in Northern Israel (with L. Court, Y. Carmel & O. Bahat)
33)	10th International Behavioral Ecology Congress	Jyväskylä, Finland, July 2004	Intersexual difference in digestive constraints in sunbirds: Possible ecological implications (with S. Markman, H. Melamed & A. Arieli)
34)	47th Annual Symposium International Association of Vegetation Science	Kailua-Kona, Hawaii, July 2004	Are secondary compounds in nectar adaptive? (with H. Tadmor, N. Singaravelan, G. Ne`eman, S. Markman, A. Arieli & M. Inbar)
35)	2004 Meeting of the American Society for Reproductive Medicine	Philadelphia, USA, October 2004	First polar body pronuclear abnormal morphology can be related to low ovarian reserve in ICSI patients. (with J.S. Younis, O. Radin, N. Mirsky, S. Bar-

			Ami & M. Ben-Ami)
36)	Conference on : Migration in the life-history of birds	Wilhelmshaven Germany, February 2005	The feeding station in the Hula Valley, Israel, affects the Eurasian Crane (<i>Grus grus</i>) Eastern Europe Migration Route (with Y. Davidson & Y. Leshem)
37)	The Ramat Hanadiv Park Workshop: Active Management of Mediterranean Ecosystems	Ramat Hanadiv, Israel, April 2005	Birds of song as indicators to environmental conditions (Invited Speaker)
38)	The 4th International Frugivory and Seed Dispersal Symposium/Workshop	Brisbane, Australia, July 2005	The role of secondary metabolites in shaping and mediating pollination and seed dispersal (With colleagues) (Invited Speaker)
			The impact of environmental conditions on fruit nutritional value of a desert plant (<i>Ochradenus baccatus</i>)(With A. Lotan)
			Can birds be ammonotelic? Nitrogen balance and excretion in fruit and nectar eating birds (With E. Tsahar, C. Martínez del Rio, Z. Arad)
39)	Conserving Biodiversity – Interdisciplinary Initiative to Reduce pan-European Cormorant-Fisheries Conflicts	Kfar Blom, Israel, January 2006	Bird Migration in Israel and the ecology of the Hula Valley (Invited Speaker)
40)	The 2 nd Scientific Congress of East Asian Federation of Ecological Societies	Niigata, Japan, March 2006	The role of secondary metabolites in shaping and mediating pollination and seed dispersal (With colleagues) (Invited Speaker)
41)	23 rd Annual Meeting of the European Society of Human Reproduction and Embryology	Lyon, France, July 2007	1) Earl follicular GnRH antagonist supplementation improves fertilization and embryo cleavage rates in IVF-ET GnRH antagonist cycles (with S. Soltsman et al.). 2) First polar body development could predict clinical pregnancy rate in infertile women undergoing ICSI treatment (with O. Radin et al.)

42)	8 th International Congress of Neuroethology	Vancouver, Canada, July 2007	Underwater Vision in Cormorants (with G. Katzir, Z. Arad and T. Strod)
43)	17 th World Congress on Ultrasound in Obstetrics Gynecology	Florence, Italy, October 2007	Prenatal diagnosis of nuchal cord by different sonographic methods and its effect on neonatal outcome (with S. Gorunov, S. Haddad and M. Ben-Ami)
44)	4 th African Acarology Symposium	Hammamet, Tunisia, October 2007	Integrated control of the date palm spider mite (with A. Lotan et al.)
45)	The 24th Annual Meeting of the European Society of Human Reproduction and Embryology	Barcelona, Spain, July 2008	1) Nucleolar precursor bodies' morphology is better in the GnRH antagonist than the long GnRH agonist cycles (With Radin et al.) 2) Is low ovarian reserve in infertile women related to an underlying thrombophilia? (With Younis et al.)
46)	93rd ESA Annual Meeting	Milwaukee, Wisconsin, August 2008	Nicotine in nectar: Consumption and perception by honey bees and its effect on their survival (with O. Afik et al)
47)	Integrated Control of Plant Feeding Mites	Florence, Italy, March 2009	Biological control of the old world date mite, <i>Oligonychus afrasiaticus</i> , using indigenous predatory mites in the Southern Arava Valley of Israel (with A. Lotan A. and E. Palevsky)
48)	NDWR bi-national conference, New Developments in Water Research – Israel and UK perspectives	Haifa, Israel, March 2009	How does <i>Vibrio cholerae</i> get dispersed between water bodies? (with Y. Senderovich and M. Halpern)
49)	The 15 th Health Related Water Microbiology Symposium (IWA, International Water Association)	Naxos, Greece, June 2009	Migratory waterbirds are possible disseminators of <i>V. cholerae</i> within and between continents. (with M. Halpern and Yigal Senderovich)

B. Local Conferences – Since 1988 I presented 24 papers in local conferences, mainly in the Annual Meetings of the Zoological Society of Israel and in the Annual Meeting of Israel Society for Ecology and Environmental Quality Sciences.

7. Colloquium Talks and Other Invited Addresses

1)	"Factors affecting fruit removal by birds, number of dispersing species and presence of fruit-bearing plants in an eastern Mediterranean scrub". Department of Wildlife Ecology, University of Wisconsin-Madison, December 1985 (Prof. W. H. Karasov, host).
2)	"Two aspects of seed dispersal by birds: nutrition and germination". Division of Biology, Kansas State University, Manhattan, Kansas, November 1987 (Prof. C. C. Smith, host).
3)	"The role of secondary compounds in fruit selection by birds". Department of Zoology, The Hebrew University of Jerusalem, Jerusalem, March 1991 (Prof. J. Marder, host).
4)	"Post-fire habitat management – zoological implications". The Mitrani Center for Desert Ecology, Ben-Gurion University of the Negev, Sede Boqer, November 1993 (Y. Lubin, B. Pinshow, hosts).
5)	"The role of frugivorous birds in shaping fruit characteristics in east Mediterranean habitats". Department of Evolution, Ecology and Systematics, The Hebrew University of Jerusalem, Jerusalem, June 1994 (Prof. J. Heller, host).
6)	"Ecology and ecophysiology of the Great White Pelican towards a solution to the conflict between preservation of an endangered species and damages to fishery in Israel". Department of Zoology, University of Florida, Gainesville, Florida, September 1995 (Prof. D. Levey, host).
7)	"How nutritional attributes of fleshy fruits govern fruit removal by birds?". Department of Plant Sciences, Tel Aviv University, February 2001 (Dr. Shaul Yalovsky, host).
	"The role of secondary metabolites in plant-bird interactions". Department of Zoology, Tel Aviv University, February 2003 (Dr. Yoav Gothilf, host).
8)	"The adaptive role of secondary metabolites in fleshy fruited-plants in shaping plant-disperser interactions". The Department of Evolution, Systematics and Ecology, The Hebrew University of Jerusalem, April 2003 (Dr. Guy Bloch, host).
9)	"The role of secondary metabolites in pollination and seed dispersal". Institute of Plant Sciences, Volcani Center, November 2006 (Dr. Oz Barazani, host).
10)	"Seed dispersal versus pollination: Toxicity point of view". The Department of Evolution, Systematics and Ecology, The Hebrew University of Jerusalem, November 2008 (Prof. Yossi Heller, host).