

Jonathan (Yoni) Belmaker, Ph.D

CURRICULUM VITAE

Updated on June 15th 2014

Name: Jonathan Belmaker

Department: Department of Zoology, Tel Aviv University

Address: Adulam 59, Shoham, Israel

Tel. No.: 052-4826445

A. EDUCATION

Period of study	Name of University	Subject	Degree	Date of award
1998 - 2001	Ben Gurion University	Biology	B.Sc. (<i>Summa cum laude</i>)	2002
2002 - 2008	Ben Gurion University	Ecology	Ph.D. (<i>Summa cum laude</i>)	2009

Title of Doctoral Dissertation: Factors Shaping Coral Reef Fish Assemblages: From the Local to the Regional Scale

Names of supervisors: Dr. Nadav Shashar and Dr. Yaron Ziv

B. FURTHER STUDIES

2008 -2012 Post-doctoral research
At the Department of Ecology & Evolutionary Biology, Yale University (2009-2012) &
Section of Ecology, Behavior & Evolution, University of California, San Diego (2008-2009).

C. ACADEMIC AND PROFESSIONAL EXPERIENCE

2012 - Senior Lecturer
Department of Zoology, Tel Aviv University

D.1 ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS

Year	Conference name	Active Role
2003	The 40th annual meeting of the Zoological Society of Israel (Sde-Boker, Ben-Gurion University, Israel).	Oral presentation (best presentation for a Master student)
2004	10th International Coral Reef Symposium (Okinawa, Japan)	Poster
2005	The 42 nd annual meeting of the Zoological Society of Israel (Rehovot, Israel).	Oral presentation
2006	The International Society for Reef Studies, European Meeting (Bremen, Germany)	Oral presentation
2007	The 44th annual meeting of the Zoological society of Israel (Achva College, Israel)	Oral presentation
2009	The International Biogeographic Society biennial Meeting (Merida, Mexico).	Poster
2009	DIVERSITAS – OSC2 (Cape Town, South Africa)	Oral presentation
2010	Metabolic Basis of Ecology, University of New England (Biddeford, Maine).	Poster
2011	The International Biogeographic Society biennial Meeting (Heraklion, Greece).	Poster
2011	The International Biogeographic Society Early Career Meeting (Oxford, UK)	Oral presentation
2011	SCOPE- Zhongyu International Environmental Sciences Forum (Yixing, China)	Invited lecture
2012	US - International Association for Landscape Ecology (Newport, Rhode Island)	Oral presentation
2012	The International Congress Of Zoology (Haifa, Israel)	Oral presentation
2013	The International Biogeographic Society biennial Meeting (Miami, Florida).	Oral presentation

2013	The Israeli association for aquatic sciences annual meeting (Michmoret, Israel).	Invited plenary lecture
2013	The Kavli Frontiers of Science Symposium (Irvine, CA)	Invited lecture
2014	The 1ST Science-Based Management of Marine and Coastal Resources workshop (Haifa, Israel)	Invited plenary lecture
2014	Marine Ecological Restoration (MER) Workshop (Eilat, Israel)	Invited lecture

D.2 PAPERS PRESENTED AT SCIENTIFIC MEETINGS

- 2001 Altstein O, Lemberger V, Vidan E, **Belmaker J**, Shanni I, Sharir Y, Saltz D. *The possible impact of environmental stochasticity on sexually dimorphic ungulates and its possible consequence in view of global warming: Nubian ibex (Capra ibex nubiana) in the Negev highlands.* The 38th annual meeting of the Zoological Society of Israel (Haifa, Israel). Poster presentation.
- 2003 **Belmaker J.** *Effects of small-scale isolation and predation on fish diversity on experimental reefs.* The 40th annual meeting of the Zoological Society of Israel (Sde-Boker, Ben-Gurion University, Israel). **Best oral presentation for a Master student.**
- 2004 **Belmaker J**, Shashar N, Ziv Y. *Why do remote coral reefs have high fish diversity? The effect of isolation on predation.* The 10th International Coral Reef Symposium (Okinawa, Japan). Poster presentation.
- 2005 **Belmaker J**, Shashar N, Ziv Y. *The relationship between local and regional richness: a meta analysis on coral reef fish.* The 42nd annual meeting of the Zoological Society of Israel (Rehovot, Israel). Oral presentation.
- 2006 **Belmaker J**, Shashar N, Ziv Y. *Scale and biodiversity of reef fishes: Comparison between East Africa and the Red Sea.* The International Society for Reef Studies, European Meeting (Bremen, Germany). Oral presentation.
- 2007 **Belmaker J.** *Resident and transient fishes along a global gradient in regional richness.* The 44th annual meeting of the Zoological society of Israel (Achva College, Israel). Oral presentation.

- 2009 **Belmaker J.** *Regional variation in the diversity of coral-dwelling fishes is driven by gradients in coral assemblage structure.* The International Biogeographic Society bi-annual Meeting (Merida, Mexico). Poster presentation.
- 2009 **Belmaker J, Jetz W.** *Environment and the relationship between local and regional richness in terrestrial vertebrates.* DIVERSITAS – OSC2 (Cape Town, South Africa). Oral presentation.
- 2010 **Belmaker J, Jetz W.** *Do richness – temperature associations vary across grain sizes?* The Gordon Research Conference: Metabolic Basis of Ecology, University of New England (Biddeford, Maine). Poster presentation.
- 2011 **Belmaker J, Jetz W.** *Environmental and functional controls of terrestrial vertebrate assemblages.* The International Biogeographic Society Bi-Annual Meeting (Heraklion, Greece). Poster presentation.
- 2011 **Belmaker J, Jetz W.** *Scaling of functional turnover in birds and mammals.* The International Biogeographic Society Early Career Meeting (Oxford, UK). Oral presentation.
- 2011 **Belmaker J** (2011). *Scale and the control of species diversity within protected areas.* The SCOPE- Zhongyu International Environmental Sciences Forum (Yixing, China). **Invited presentation.**
- 2012 **Belmaker J, Jetz W.** *Regional pools and environmental controls of local vertebrate assemblages.* The US – International Association for Landscape Ecology (Newport, RI). Oral presentation.
- 2012 **Belmaker J, Parravicini V, Kulbicki M.** *Ecological traits and environmental affinity explain Red Sea fish introduction into the Mediterranean.* The fourth International Congress of Zoology (Haifa, Israel). Oral presentation.
- 2013 **Belmaker J, Parravicini V, Kulbicki M.** *A biogeographic perspective on species invasion: Red Sea fish introduction into the Mediterranean.* The International Biogeographic Society biennial Meeting (Miami, Florida). Oral presentation.
- 2013 **Belmaker J.** *Frontiers in Marine Ecology.* The Israeli association for aquatic sciences annual meeting (Michmoret, Israel). **Invited plenary presentation.**
- 2013 **Belmaker J.** *Global Change and the Future of Biodiversity.* The Kavli Frontiers of Science Symposium (Irvine, CA). **Invited presentation.**

- 2014 **Belmaker J.** *Predicting distributional shifts of species in a changing ocean.* The 1ST Science-Based Management of Marine and Coastal Resources workshop (Haifa, Israel). **Invited plenary presentation.**
- 2014 **Belmaker J.** *Using ecological principles to inform restoration initiatives.* Marine Ecological Restoration (MER) Workshop (Eilat, Israel). **Invited presentation.**

D.3 Workshops attended

Year	Workshop name and location
2004	Summer Institute: Uncertainty and variability in ecological inference, forecasting, and decision making. (Center on Global Change, Duke University, NC).
2005	Multivariate analysis of ecological data (Ceske Budejovice, Czech Republic).
2012	COST working group meeting (Rome, Italy)
2013	GASPAR working group (CESAB, Marseille, France)
2013	COST working group meeting (Dublin, Ireland)
2013	ESA Scaling Up workshop (Baltimore, MD)
2013	Metadata standards and island species distributions (New Haven, MD)
2014	COST working group meeting (Leipzig, Germany)

D.4 Invited presentations

Year	Title and location
2005	<i>Effects of small-scale isolation and predation on fish diversity on experimental reefs.</i> Weekly Seminar. Israel Oceanography & Limnography Research, Eilat, Israel.
2007	<i>Scale and diversity of coral reef fishes: a multi-regional comparison.</i> Center of Excellence for Reef Studies Special Seminar, James Cook University, Townsville, Australia.
2008	<i>Coral Reef Fish Assemblages: From the Local to the Regional Scale.</i> Center for Population Biology Special Seminar. University of California, Davis, California.
2009	<i>Regional and local species diversity: Linking community ecology and macroecology.</i>

Jonathan (Yoni) Belmaker, Ph.D

	Departmental Seminar. Tel Aviv University, Tel Aviv, Israel.
2009	<i>Coral Reef Fish Assemblages: From the Local to the Regional Scale</i> . Departmental Seminar. Scripps Institute of Oceanography, San Diego, California.
2010	<i>Regional and environmental influences on fine-grained assemblages</i> . Departmental Seminar. University of Missouri St. Louis, St. Louis, Missouri.
2010	<i>Regional and environmental influences on fine-grained assemblages</i> . Departmental Seminar. Washington University, St. Louis, Missouri.
2011	<i>(Avian) Community assembly at global scales</i> . Lab of ornithology, Cornell University, Ithaca, New York.
2011	<i>Global scaling of terrestrial vertebrate diversity</i> . Departmental Seminar. Yale University, New Haven, Connecticut.
2013	<i>Species invasion and Mediterranean fish community assembly</i> . Departmental Seminar. Oranim College, Tivon, Israel.
2013	<i>Invasion and Mediterranean fish communities</i> . Banyuls sur mer, France.
2013	<i>Understanding Red Sea fish invasion into the Mediterranean</i> . Institutional weekly Seminar. IUI, Eilat, Israel.

E. ACADEMIC AND PROFESSIONAL AWARDS

E.1.1 Internal grants (at Tel Aviv University)

E.1.2 External grants

YEAR	FOUNDATION	TITLE	SUM	CORESEARCHERS	P.I.
2003	PADI Foundation	The Effect of Connectivity to a Natural Reef on Artificial Reef Fish Communities	\$2,150	-	Jonathan Belmaker
2003	American Museum of Natural History (Lerner-Gray Fund for Marine Research)	Species turnover, short-term stability and community structure in coral reef fish – the effect of isolation on artificial reef fish communities	\$1,500	-	Jonathan Belmaker
2006	The Australia-Israel	Regional and local factors shaping coral reef fish	\$5,000	-	Jonathan

Jonathan (Yoni) Belmaker, Ph.D

	Scientific Exchange	diversity			Belmaker
2012-2015	The Israeli department of Agriculture	Seasonal growth and mortality in native and Lessepsian Mediterranean fish	639,000 NIS	Moshe Kiflawi, Daniel Golani	Jonathan Belmaker
2013-2014	"Yad Hanadiv" Workshop Grant	Relative species abundance and rarity in coral reef fish	\$38,000	-	Jonathan Belmaker
2013	ASSEMBLE grant (to offset costs of field research in Banyuls, France)	Traits, Invasion and Mediterranean fish communities	€10,000 (approximately)	-	Jonathan Belmaker
2013-2017	Marie Curie Career Integration Grant	Causes and Consequences of Mediterranean Fish Invasions	€100,000	-	Jonathan Belmaker
2014	The Zoology Society of Israel	Workshop grant: Relative species abundance and rarity in coral reef fish	2,500NIS	Moshe Kiflawi, Michel Kulbicki	Jonathan Belmaker
2014-2015	German Israel Foundation	Incorporating biotic constraints into species distribution models: predicting fish invasion in the Mediterranean	€28,000	-	Jonathan Belmaker
2014-2017	The Israeli department of Agriculture	Quantifying the ecological and economic impact of by-catch from coastal fishing and means to reduce it by increasing net selectivity	798,000 NIS	Doron Shults, Moshe Kiflawi, Yehuda Benayahu	Jonathan Belmaker

E.2 Fellowships

2003 -2007 The Kreitman Foundation Fellowship (given to ten new graduate students competing from all faculties in Ben Gurion University)

2008 -2009 Rothschild Postdoctoral Fellowship

E.3 Scholarships

E.4 Prizes

2003 The Merav Ziv award for excellence in ecology. (Sde-Boker, Ben-Gurion University, Israel).

Jonathan (Yoni) Belmaker, Ph.D

- 2003 The best oral presentation for a Master student. The 40th annual meeting of the Zoological society of Israel (Sde-Boker, Ben-Gurion University, Israel).
- 2004 Certification of merit from the Charles and Anne Lindbergh foundation
- 2005 The Berko award (best-student award) for excellence in ecological research (Interuniversity institute for Marine Science, Eilat, Israel).
- 2006 The Wolf Foundation award
- 2006 The Aharon Katzir student travel fellowship (Weizmann Institute of Science, Rehovot, Israel)
- 2007 The Rieger Foundation Fellowship (Jewish National Fund Program for Environmental Studies, Jerusalem, Israel)
- 2008 The Zoological Society of Israel travel award (declined)
- 2008 The International Biogeography Society travel award (Merida, Mexico).
- 2009 DIVERSITAS travel award (Cape Town, South Africa)
- 2010 The International Biogeography Society travel award (Crete, Greece).
- 2011 Scope-Zhongyu Young Scientist Award for Environmental Sciences

F. MEMBERSHIP IN PROFESSIONAL SOCIETIES

F.1 Membership in professional societies

- 2003- Israel Zoological Society
- 2008- International Biogeographic Society

F.2 Membership in Committees (Tel Aviv University)

- 2012 - Zoological Garden steering committee
- 2012 - National Museum of Natural History scientific steering committee

F.3 Review duties

Reviewer (not complete):

Ecology Letters * Ecology * The American Naturalist * Limnology & Oceanography – Methods * Global Ecology and Biogeography * Journal of Biogeography * Journal of Animal Ecology * Biology Letters * Oecologia * Ecosphere * Ecography * Diversity & Distribution * Marine

Jonathan (Yoni) Belmaker, Ph.D

Ecology Progress Series * Journal of Fish Biology * Journal of Tropical Ecology * Journal of Experimental Marine Biology & Ecology * Israel Journal of Ecology & Evolution * Aquatic ecology * Coral reefs * Marine Ecology * Raffles Bulletin of Zoology * Fisheries Research * PLoS ONE * Faculty of 1000

Associate editor:

2013 - Global Ecology and Biogeography

F.4 Other duties

2012 - Management committee of COST (European Cooperation in Science and Technology) action titled: "Harmonizing Global Biodiversity Modelling (HarmBio)"

2012 - Board member of the Israel Zoological Society

2012 - Israel's Long Term Marine Ecological Research scientific committee

2013 - Eilat Interuniversity Institute (IUI) teaching committee

F.5 Workshops and conferences organized

2013 Organizing committee, The 50th Annual Meeting of the Zoological Society of Israel, Tel Aviv, Israel

G. STUDENTS SUPERVISED

G.1 Doctoral Students

YEAR	NAME	SUBJECT	INSTITUTION
2012 -	Itai van Rijn	Seasonal growth and mortality in indigenous and invasive Mediterranean fishes	Tel-Aviv University
2012 -	Or Givan	Commonness and rarity in Mediterranean fishes	Tel-Aviv University
2013 -	Adam Weissman	Bathymetric diversity gradients of Eastern Mediterranean epifauna	Haifa University
2013 -	Enav Vidan	Trait diversity of Palearctic reptiles	Tel-Aviv University
2014-	Leigh Kroeger	Fish vulnerability to climate change and invasion	Tel-Aviv University

G.2 Post-Doctoral Researchers

YEAR	NAME	SUBJECT	INSTITUTION
2012-2013	Assaf Zvuloni	Scaling of coral functional and phylogenetic structure	Ben Gurion University

G.3 M.Sc. Students

YEAR	NAME	SUBJECT	INSTITUTION
2013 -	Renanel Pickholtz	Landscape ecology of invasive herbivorous fishes	Tel-Aviv University
2013 -	Itai Granot	Processes structuring the assembly of fouling communities	Tel-Aviv University
2013 -	Ori Frid	Ecological impacts of coastal fishing	Tel-Aviv University