CURRICULUM VITAE

Updated on February 2023

Name: Jonathan Belmaker

Faculty: Life Sciences **Department:** School of Zoology

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Date of Birth: 21/2/1976

Place of Birth: Jerusalem, Israel

Date of arrival in Israel: NA

A. EDUCATION

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

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

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

B. FURTHER STUDIES

None

C1. ACADEMIC EXPERIENCE

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).

Names of advisor: Prof. Walter Jetz

C1. PROFESSIONAL EXPERIENCE

2017 - Associate professor
School of Zoology, Tel Aviv University

2012 - 2017 Senior Lecturer
Department of Zoology, Tel Aviv University

D1. ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS

Year	Conference name	Active Role
2003	*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).	Oral presentation (best presentation for a Master student)
2004	*Why do remote coral reefs have high fish diversity? The effect of isolation on predation.* 10th International Coral Reef Symposium (Okinawa, Japan)	Poster
2005	*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	*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	*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	*Regional variation in the diversity of coral-dwelling fishes is driven by gradients in coral assemblage structure*. The International Biogeographic Society biennial Meeting (Merida, Mexico).	Poster
2009	*Environment and the relationship between local and regional richness in terrestrial vertebrates.* DIVERSITAS – OSC2 (Cape Town, South Africa)	Oral presentation
2010	*Do richness – temperature associations vary across grain sizes?* Gordon research conference: Metabolic Basis of Ecology (University of New England, Biddeford, Maine).	Poster
2011	*Environmental and functional controls of terrestrial vertebrate assemblages*. The International Biogeographic Society biennial Meeting (Heraklion, Greece).	Poster
2011	*Scaling of functional turnover in birds and mammals.* The International Biogeographic Society Early Career Meeting (Oxford, UK)	Oral presentation
2011	*Scale and the control of species diversity within protected areas*. SCOPE-Zhongyu International Environmental Sciences Forum (Yixing, China)	**Invited lecture**

2012	*Regional pools and environmental controls of local vertebrate assemblages*. US - International Association for Landscape Ecology (Newport, Rhode Island)	Oral presentation
2012	*Explaining Red Sea fish introduction into the Mediterranean.* The fourth International Congress Of Zoology (Haifa, Israel)	Oral presentation
2013	*A biogeographic perspective on species invasion: Red Sea fish introduction into the Mediterranean*. The International Biogeographic Society biennial Meeting (Miami, Florida).	Oral presentation
2013	*Frontiers in Marine Ecology*. The Israeli association for aquatic sciences annual meeting (Michmoret, Israel)	**Invited plenary lecture**
2013	The 50th Annual Meeting of the Zoological Society of Israel (Tel Aviv, Israel)	**Organizing committee**
2013	*Global Change and the Future of Biodiversity.* The Kavli Frontiers of Science Symposium (Irvine, CA)	**Invited lecture**
2014	*Empirical evidence for the scale-dependence of biotic interactions.* Gordon research conference: Unifying Ecology Across Scales (University of New England, Biddeford, Maine).	Poster
2014	*Using ecological principles to inform restoration initiatives.* Marine Ecological Restoration (MER) Workshop (Eilat, Israel)	**Invited lecture**
2014	Marine Bioinvasions Symposium (Herzeliya, Israel)	**Organizing committee**
2014	Commonness and Rarity in Coral Reef Fishes Symposium (Eilat-Tel Aviv, Israel)	**Head of Organizing committee**
2015	*Predicting alien fish introduction and spread*. The 16th Sde Boker Symposium in Memory of Merav Ziv (Sde Boker, Israel)	**Invited lecture**
2015	*The magnitude of dark diversity across taxa and scales*. The European Ecological Federation conference (Rome, Italy)	**Invited lecture**
2015	*Climate change and the fate of Mediterranean fishes.* Batsheva de Rothschild Seminar: Environmental Science and Policy - Challenges in the South Eastern Mediterranean (Nir Etzion, Israel)	**Invited lecture**
2016	*A tale of two seas: understanding non-indigenous species introduction into the Mediterranean*. The 8th annual SIDEER graduate symposium on transcontinental movements (Sde Boker, Israel)	**Invited lecture**
2016	The Annual Meeting of the Israel Society of Ecology and Environmental Sciences (Tel Aviv, Israel)	**Organizing committee**

2016	*Non-stationarity in the co-occurrence patterns of species across environmental gradients.* British Ecological Society Annual Meeting, Macroecology chapter (Oxford, UK)	Oral presentation
2016	*Empirical evidence for the scale-dependence of biotic interactions*. Humboldt Colloquium: Bridges to the Future: German-Israeli Scientific Relations (Tel Aviv University, Israel)	**Invited poster**
2016	Organized a panel on *"Science based marine conservation"*. The Israeli association for aquatic sciences annual meeting (Herzeliya, Israel)	**Panel organizer**
2017	*Non-stationarity in the co-occurrence patterns of species across environmental gradients.* The International Biogeographic Society biennial Meeting (Tucson, AZ)	Oral presentation
2017	*Marine invasion across the tree of life.* The Ecological Society of America annual Meeting (Portland, OR)	Oral presentation

After last promotion:

Year	Conference name	Active Role
2018	*Scale dependent effects of marine protected areas on biodiversity.* The Annual Meeting of the Israel Society of Ecology and Environmental Sciences (Weismann Institute, Israel).	**Invited oral presentation**
2018	*Climate change effects on biodiversity in the Eastern Mediterranean.* The 2nd Science Based Management of Marine and Coastal Resources convention (Haifa, Israel)	**Invited oral presentation, head of session**
2019	*Invasion rates across the tree of life*. The International Biogeographic Society biennial Meeting (Malaga, Spain).	Poster
2019	The 2nd Conference of the Israel Chapter of the Society for Conservation Biology (The Technion, Israel).	**Organizing committee, Panel organizer**
2022	*Catch estimates and species composition of recreational fishing in Israel.* GFCM Working group on Recreational Fisheries (online).	**Invited oral presentation**

D2. 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, Irelnad)

2013 ESA Scaling Up workshop (Baltimore, MD)

2013 Metadata standards and island species distributions (New Haven, CT)

2014 COST working group meeting (Leipzig, Germany)

2014 The 1ST Science-Based Management of Marine and Coastal Resources workshop (Haifa, Israel)

2015 COST working group meeting (London, UK)

2016 EuroMarine foresight workshop (Eilat, Israel)

2016 sDiv working group on "Toward a consensus on the drivers of global-scale patterns of species richness" (sRichGrad, Leipzig, Germany)

2017 NEON-EAGER working group on "Using intraspecific trait variation to understand processes structuring continental-scale biodiversity patterns" (Boulder, Colorado)

2017 The 5th binational (UK-IL) workshop on ecological communities (Villefranche-sur-Mer, France)

After last promotion:

Year	Workshop name and location
2018	EXOFISHMED working group on “Exotic herbivorous fish in Mediterranean ecosystems: biological causes and ecological consequences of an ongoing invasion” (Montpellier, France).
2018	sDiv working group on "Theory and workflows for alien and invasive species tracking” (sTWIST, Leipzig, Germany)
2019	EXOFISHMED working group on “Exotic herbivorous fish in Mediterranean ecosystems: biological causes and ecological consequences of an ongoing invasion” (Montpellier, France).
2019	sDiv working group on "Theory and workflows for alien and invasive species tracking” (sTWIST, Leipzig, Germany)
2020	Working group on "Fight-or-flight: predicting range expansion amid climate change” (funded by Quebec Center for Biodiversity Studies, remote participation)
2021	Working group on "Fight-or-flight: predicting range expansion amid climate change” (funded by Quebec Center for Biodiversity Studies)
2022	Working group on “Robust tools to quantify and understand global trends in alien species numbers” (SAFE - Securing Antarctica's Environmental Future, Monash University, Melbourne, Australia)
2022	sDiv working group on "Theory and workflows for alien and invasive species tracking” (sTWIST, Leipzig, Germany)

D3. INVITED PRESENTATIONS

Year	Title and location
2005	*Effects of small-scale isolation and predation on fish diversity on experimental reefs.* Weekly Seminar. Israel Oceanography & Limonography Research, Eilat, Israel.
2007	*Scale and diversity of coral reef fishes: a multi-regional comparison.* Center of Excellence for Reef Studies Special Seminar, James Cook University, Townsville, Australia.
2008	*Coral Reef Fish Assemblages: From the Local to the Regional Scale.* Center for Population Biology Special Seminar. University of California, Davis, California.
2009	*Regional and local species diversity: Linking community ecology and macroecology*. Departmental Seminar. Tel Aviv University, Tel Aviv, Israel.
2009	*Coral Reef Fish Assemblages: From the Local to the Regional Scale*. Departmental Seminar. Scripps Institute of Oceanography, San Diego, California.
2010	*Regional and environmental influences on fine-grained assemblages.* Departmental Seminar. University of Missouri St. Louis, St. Louis, Missouri.
2010	*Regional and environmental influences on fine-grained assemblages.* Departmental Seminar. Washington University, St. Louis, Missouri.
2011	*(Avian) Community assembly at global scales*. Lab of ornithology, Cornell University, Ithaca, New York.
2011	*Global scaling of terrestrial vertebrate diversity*. Departmental Seminar. Yale University, New Haven, Connecticut.
2013	*Species invasion and Mediterranean fish community assembly*. Departmental Seminar. Oranim College, Tivon, Israel.
2013	*Invasion and Mediterranean fish communities.* Banyuls sur mer, France.
2013	*Understanding Red Sea fish invasion into the Mediterranean.* Institutional weekly Seminar. IUI, Eilat, Israel.
2013	*Predicting distributional shifts of species in a changing ocean.* The 1ST Science-Based Management of Marine and Coastal Resources workshop, Haifa, Israel.
2014	*Using ecological principles to inform restoration initiatives.* Marine Ecological Restoration (MER) Workshop, Eilat, Israel.
2015	*Can we predict fish invasions into the Mediterranean?* Mitrani Department of Desert Ecology, Ben Gurion University, Israel.
2015	*Invasion and community assembly in one of the world's most invaded ecosystem.* Center for Theoretical Study, Prague, Czech Republic.
2015	*Can we predict fish invasions into the Mediterranean?* Department of Marine Biology, Haifa University, Israel.
2016	*Non-stationarity in the co-occurrence patterns of species across broad spatial scales.* iDiv, Leipzig, Germany.

2016 *A tale of two seas: understanding non-indigenous species introduction into the Mediterranean*. Department of Ecology, Evolution and behavior, the Hebrew University, Israel.

2016 *Developing Species Distribution Models for Halophila invasion.* EuroMarine foresight workshop, Eilat, Israel.

2017 *Understanding alien fish introduction, spread and impact.* Department of Palaeontology, University of Vienna, Vienna, Austria.

After last promotion:

Year	Title and location
2018	*Do Lessepsian invasives impact indigenous fish communities?* Department of Geography, Bar Ilan University, Israel
2018	*Do Lessepsian invasives impact indigenous fish communities?* Department of Palaeontology, University of Vienna, Vienna, Austria.
2018	*Understanding alien fish introduction, spread and impact.* Inter University Institute for Marine Sciences, Eilat, Israel.
2019	*Change and resilience in the Mediterranean fish community*. Charney School of Marine Sciences monthly seminar series, Haifa University, Haifa, Israel.
2019	*Fish and climate change: local and global insights.* Food security and sustainability conference, Interdisciplinary Center Herzliya, Israel
2019	*Do Lessepsian invasives impact indigenous fish communities?* Seminar in the HCMR (Hellenic Centre for Marine Research). Crete, Greece.
2020	*The fate of fish: consequences of human impacts on fishes.* School seminar (School of Zoology, Tel Aviv Universty). Tel Aviv, Israel.
2022	*Understanding anthropogenic changes in the Mediterranean Sea.* SAFE (Securing Antarctica's Environmental Future, Monash University) seminar. Melbourne, Australia
2022	*The fate of fish: consequences of human impacts on fishes.* Departmental seminar, Haifa University, Haifa, Israel.
2022	*Fish biogeography: what in learned in South America in the footprints of Humboldt.* Humboldt conference, Holon Instutue of Technology (HIT), Holon, Israel.

D4. CONFERENCE ORGINIZING

Year	Conference
2013	Organizing committee, The 50th Annual Meeting of the Zoological Society of Israel, Tel Aviv, Israel
2014	Organizing committee, Marine Bioinvasions Symposium- towards large-scale studies, Herzelia, Israel
2014	Head of Organizing committee, Commonness and Rarity in Coral Reef Fishes Symposium, Tel Aviv - Eilat, Israel
2016	Organizing committee, The Israel Society of Ecology and the Environment annual meeting, Tel Aviv, Israel

2019	Organizing committee, The 2nd Conference of the Israel Chapter of the Society for Conservation Biology, The Technion, Israel
2022	Head organizing committee, The 3nd Conference of the Israel Chapter of the Society for Conservation Biology, Tel Aviv University, Israel

E. COURSES TAUGHT

Year	**Course**	**Institution**	**Hours**	**Number of students**	**Obligatory/ elective**	**Evaluation (scale of 7)**
2013/2014	Ecology	TAU	1.3 of 4	~250	Obligatory	5.2
2013/2014	Community Ecology	TAU	2 of 2	~20	Elective	5.9
2014/2015	Ecology	TAU	1.3 of 4	~250	Obligatory	5.6
2014/2015	Community Ecology	TAU	3 of 3	~20	Elective	6.5
2016/2017	Ecology	TAU	1 of 3	~250	Obligatory	5.3
2016/2017	Community Ecology	TAU	3 of 3	~20	Elective	6.3
2017/2018	Ecology	TAU	1 of 3	~250	Obligatory	5.5
2017/2018	Community Ecology	TAU	3 of 3	~20	Elective	5.8
2017/2018	Quantitative methods in marine ecology	IUI	1.5 of 3	~20	Elective	9.5 (out of 10)
2018/2019	Ecology	TAU	1.5 of 3	~250	Obligatory	5.85
2018/2019	Community Ecology	TAU	3 of 3	~20	Elective	6.29
2018/2019	Seminar in Ecology	TAU	2 of 2	~20	Obligatory	6.6
2019/2020	Ecology	TAU	1 of 3	~250	Obligatory	5.76
2019/2020	Community Ecology	TAU	3 of 3	~20	Elective	5.77
2020/2021	Community Ecology	TAU	4 of 4	~20	Elective	NA

F. OTHER ACADEMIC ACTIVITES

EDITORIAL DUTIES

Position	**Description**
Associate editor	Global Ecology and Biogeography (2013 -)
	Biological Invasions (2020-)

Ecological Monographs (2022-)

Ad hoc journal reviewer	PNAS * Ecology Letters * Nature Ecology and Evolution * Nature Communications* Proceeding of the Royal Society B: Biological Sciences * Current Biology * Frontiers in Ecology and the Environment * Ecology * The American Naturalist * Limnology & Oceanography – Methods * Global Ecology and Biogeography * Global Change Biology * Journal of Ecology * Science advance * Journal of Biogeography * Journal of Animal Ecology * Journal of Applied Ecology * Biological Conservation * Ecological Applications * Biology Letters * Oecologia * Ecological indicators * Ecosphere * Ecography * Diversity & Distribution * Marine Ecology Progress Series * Methods in Ecology and Evolution * Frontier in Ecology and Evolution* Journal of Fish Biology * Journal of Tropical Ecology * Journal of Experimental Marine Biology & Ecology * Israel Journal of Ecology & Evolution * Aquatic ecology * Aquatic invasions * Coral reefs * Marine Ecology * Raffles Bulletin of Zoology * Fisheries Research * Marine Environmental Research * Fisheries Oceanography * PLoS ONE * Faculty of 1000
Ad hoc grant reviewer	NSF (2015, 2016), ISF (2016, 2017, 2018), SQU (Oman, 2016), Czech Science Foundation (2017), NERC (2019)
Grant advisory board	Israel Ministry of Science and Technology (2015, 2018, 2022), Israel Ministry of Agriculture (2018, 2019), Israel Science Foundation (2019).
Head of scientific committee	Science-based Marine Reserves in the Israeli Mediterranean Sea (2017-)

INTERNATIONAL COMMITTEES

Year	**Committee**
2012 -2015	Management committee of COST (European Cooperation in Science and Technology) action titled: “Harmonizing Global Biodiversity Modelling (HarmBio)”

NATIONAL COMMITTEES

Year	**Committee**
2012 -2015	Board member of the Israel Zoological Society
2013 -	Eilat Interuniversity Institute (IUI) teaching committee
2016	Fish re-stocking strategies assessment group
2017	Mullet harvesting strategies assessment group
2017	Shark conservation assessment group
2017-	Israel's national fish introduction committee
2017-	Nature and parks authority scientific steering committee
2020-	Scientific steering committee of MERCI (Mediterranean Sea Research Center of Israel)
2020-	Board member of the ISEES (Israeli Society of Ecology and Environmental Science)

TEL AVIV UNIVERSITY ADMINISTRATIVE ROLES

2012 -	National Museum of Natural History scientific steering committee
2013-2014	Zoological garden departmental committee
2014-2015	Departmental technical committee
2013-2018	Departmental seminar organizer
2018-	School of Zoology steering committee (ועדת בית ספר)
2018-	Head of Ecology MSc track

LECTURES TO GENERAL AUDIENCE

March 2014: Lecture on predicting range shifts of invasive species, given to the ecologist working for the Israeli Nature and Parks authority.

September 2014: Public talk on biodiversity in the Mediterranean aimed at engaging the public in marine studies. This talk was part of a campus-wide event titled "Scientist night" focused on marine science (http://sciencenight.tau.ac.il/2014/index.php/campus.html)

April 2015: Lecture on new advances in marine science and conservation, given to workers of the Society for the protection of Nature in Israel (SPNI).

June 2016: Lecture on Mediterranean diversity to biology teachers from across the country. Organized through the "bashaar" foundation for engaging science and the public. The lecture took place at the Weizmann Institute.

September 2016: Seminar with practical "hands-on" experience at Shahaf elementary school on sustainable fishing.

October 2016: Panel member for a discussion on life choices and careers within and outside the academy. Part of a workshop on communicating science to the public, organized though the Mediterranean Sea Research Center of Israel (MERCI).

July 2017: Lecture on diversity changes across scales to biology teachers from across the country. The lecture took place at the Steinhart Museum of Natural History.

April 2018: Lecture on sustainable fishing to biology teachers from across the country.

August 2018: Lecture on science-based fishing regulation to fishers across the coutry.

March 2021: Lecture on marine biology, “Hakfar Hayarok” high school.

November 2022: Lecture on impacts of warming on marine systems, Tel Aviv University.

G. ACADEMIC AND PROFESSIONAL AWARDS

G1. External grants

YEAR	FOUNDATION	TITLE	P.I.	Co-PI	SUM	For my use

2003	PADI Foundation	The Effect of Connectivity to a Natural Reef on Artificial Reef Fish Communities	Jonathan Belmaker	-	$2,150	$2,150
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	Jonathan Belmaker	-	$1,500	$1,500
2006	The Australia-Israel Scientific Exchange	Regional and local factors shaping coral reef fish diversity	Jonathan Belmaker	-	$5,000	$5,000
2012-2015	The Israeli department of Agriculture	Seasonal growth and mortality in native and Lessepsian Mediterranean fish	Jonathan Belmaker	Moshe Kiflawi, Daniel Golani	639,000 NIS	639,000 NIS
2013-2014	"Yad Hanadiv" Workshop Grant	Relative species abundance and rarity in coral reef fish	Jonathan Belmaker	-	$38,000	$38,000
2013	ASSEMBLE grant (to offset costs of field research in Banyuls, France)	Traits, Invasion and Mediterranean fish communities	Jonathan Belmaker	-	€10,000 (approximate)	€10,000 (approximate)
2013-2017	Marie Curie Career Integration Grant	Causes and Consequences of Mediterranean Fish Invasions	Jonathan Belmaker	-	€100,000	€100,000
2014	The Zoology Society of Israel	Workshop grant: Relative species abundance and rarity in coral reef fish	Jonathan Belmaker	Moshe Kiflawi, Michel Kulbicki	2,500NIS	2,500NIS
2014-2015	German Israel Foundation	Incorporating biotic constraints into species distribution models: predicting fish invasion in the Mediterranean	Jonathan Belmaker	-	€28,000	€28,000
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	Jonathan Belmaker	Doron Shults, Moshe Kiflawi, Yehuda Benayahu	798,000NIS	798,000NIS

2015	The Israeli Nature and Parks authority	Fish diversity along the Israeli Mediterranean coast.	Jonathan Belmaker	-	121,350 NIS	121,350 NIS
2015-2019	The Bi-National Science foundation (BSF)	Integrating the effects of warming and body size evolution on marine size spectra	John De Long, Jonathan Belmaker	-	$180,000	$180,000
2015	The Israel Science Foundation (ISF)	Young faculty equipment grant	Jonathan Belmaker		355,074 NIS	355,074 NIS
2015-2020	The Israel Science foundation (ISF)	Hierarchical delineations of ecological communities to enhance ecological predictions	Jonathan Belmaker	-	1,250,000 NIS	1,250,000 NIS
2015-2017	NSF (MacroSystems Biology). Collaborative Research: EAGER-NEON	Using intraspecific trait variation to understand processes structuring continental-scale biodiversity patterns.	Ben Baiser, Sydne Record, Phoebe Zarnetsk, Angela Strecker	Jonathan Belmaker, Mao-Ning Tuanmu	$300,000	$0
2015	The Israeli Nature and Parks authority	The influence of human disturbance on coral reef fishes.	Jonathan Belmaker	-	41,000 NIS	41,000 NIS
2016	Schulich Initiative	Stress on the Reef: Elevated Cortisol Levels and Habitat Utilization in Coral Reed Fish	Moshe Kiflawi, Glenn Crossin	Jonathan Belmaker	$75,000 Canadian	$26,000 Canadian
2016	The Israeli Nature and Parks authority	The influence of human disturbance on coral reef fishes.	Jonathan Belmaker	-	41,000 NIS	41,000 NIS
2017	The Israeli Nature and Parks authority	Fish diversity along the Israeli Mediterranean coast	Jonathan Belmaker	-	100,000 NIS	100,000 NIS

After last promotion:

YEAR	FOUNDATION	TITLE	P.I.	Co-PI	SUM	For my use
2017-2020	Israeli Ministry of Science and Technology	Resolving the "black box" of larval-fish abundance and its sensitivity to climate change	Jonathan Belmaker, Roi Holzman, Moshe Kiflawi,	-	1,499,790NIS	678,000NIS

			Rotem Sorek			
2017-2020	The French National Research Agency (ANR)	Exotic herbivorous fish in Mediterranean ecosystems: biological causes and ecological consequences of an ongoing invasion	Sébastien Villéger	Auguet Jean-Christophe, Bouvier Thierry, Bouvier Corinne, Panfili Jacques, Ferraton Franck, Rieuvilleneuve Fabien, Danger Michaël, Lasram Frida, Yokeş Baki, Jonathan Belmaker, Moshe Kiflawi.	€478,000	€35,000
2017-2020	Israeli Ministry of Science and Technology	Using a novel acoustic broadband echo sounder for fish identification and biomass assessment to optimize fisheries management in Lake Kinneret	Jonathan Belmaker, Ilia Ostrovsky, boris Katsnelson, Avi Ostfeld	-	1,199,624 NIS	485,000NIS
2018-2019	Schulich Initiative (additional Support)	Stress on the Reef: Elevated Cortisol Levels and Habitat Utilization in Coral Reed Fish	Moshe Kiflawi, Glenn Crossin	Jonathan Belmaker	$30,000 CAN	$11,600 CAN
2018	Eilat Leibniz IUI center (ELIC)	Coral reef fish size spectra across a human disturbance gradient	Jonathan Belmaker, Thomas Mehner	-	€11,063	€11,063
2018	Israeli Taxonomic Initiative	Biology, identification and systematics of Chaetognatha	Tamar Guy-Haim, Jonathan Belmaker	-	15,000NIS	15,000NIS

2018-2021	Yad Hanadiv in partnership with the Israeli Nature and Parks Authority	Wideband acoustic methods for estimating spillover distance from MPAs: development of a reliable monitoring tool for quantification of biomass and size structure	Jonathan Belmaker	Ilia Ostrovsky, Thomas Mehner	600,000 NIS	600,000NIS
2018	The Israeli Nature and Parks authority	The influence of human disturbance on coral reef fishes.	Jonathan Belmaker	-	50,000 NIS	50,000 NIS
2019	ASSEMBLE+ (to offset costs of field research in Crete, Greece)	Traits, invasion and Mediterranean fish communities	Jonathan Belmaker	-	€3,500 (approximate)	€3,500
2019	The Israeli Nature and Parks authority	Fish diversity along the Israeli Mediterranean coast	Jonathan Belmaker	-	100,000 NIS	100,000 NIS
2020	The Israeli Nature and Parks authority	The influence of human disturbance on coral reef fishes.	Jonathan Belmaker	-	79,000 NIS	79,000 NIS
2020	The Israeli Nature and Parks authority	Mapping the coral reefs of Eilat	Jonathan Belmaker	-	60,000 NIS	60,000 NIS
2020-2021	Atarim (חברת אתרים)	The marine ecological system of Tel Aviv – Yafo	Jonathan Belmaker	-	260,000 NIS	260,000 NIS
2020-2022	Israel Land Authority (קרן שטחים פתוחים)	Biodiversity of the soft bottom habitats within Israeli marine reserves	Sheenan Harpaz, Jonathan Belmaker	-	250,000 NIS	150,000 NIS
2020-2022	Israel Ministry of environmental protection	Integrative study on Apolonia beach “yellow spill”: biological, chemical and eco-toxicological impacts.	Yehuda Benayahu, Dror Avisar, Jonathan Belmaker	-	195,960 NIS	65,320 NIS

2021-2024	MERC	Evaluating seagrass ecosystem threats and functions in the Gulf of Aqaba to improve regional marine conservation	Gidon Winters, Gil Rilov, Jack Silverman, Jonathan Belmaker, Efrat Meeder, Dr. Sivan Isaacson, Fuad Al-Horani, Maroof Abu Khalaf, Tariq Al-Najjar, Ali Al-Sawalmeh, Mohammad Ahmad Mutlak Wahsha	-	$595, 229	$61,180
2021-2023	Israel Land Authority (קרן שטחים פתוחים)	Testing abrasion platform habitat restoration methods	Atarim (חברת אתרים), Jonathan Belmaker	-	350,000 NIS	350,000 NIS
2022-2026	The Bi-National Science foundation (BSF)	Eco-evolutionary consequences of an ongoing invasion by a key herbivore in temperate reefs	John De Long, Jonathan Belmaker	-	$266,000	$154,420
2022-2026	HORIZON Action Grant	Advancing understanding of Cumulative Impacts on European marine biodiversity, ecosystem functions and services for human wellbeing	Myron Peck et al. (75 researchers, including Jonathan Belmaker)	-	€12,500,000	€120,231

2023-2026	Israeli Ministry of Science and Technology	Using Big Data to promote conservation policy tools in light of climatic and demographic changes in Israel	Uri Roll, Jonathan Belmaker		500,000NIS	143,000NIS

G2. Internal grants (at Tel Aviv University)

YEAR	TITLE	P.I.	Co-PI	SUM	For my use
2014	Workshop grant: Relative species abundance and rarity in coral reef fish	Jonathan Belmaker	-	$2,500	$2,500

After last promotion:

YEAR	TITLE	P.I.	Co-PI	SUM	For my use
2019	Conference organization: ISCB - Israeli Chapter of the Society for Conservation Biology (Technion, Israel)	Jonathan Belmaker	-	$1,000	$1,000
2019-2020	New effective teaching strategies	Jonathan Belmaker	Marcelo Sternberg, Avigdor Abelson	20,000NIS	20,000NIS
2020	Australian Friends of Tel Aviv University-Monash University (AFTAM)	Jonathan Belmaker, Melodie McGeoch		A$10,740	A$10,740
2021-2023	Tel Aviv University center for artificial intelligence and Data science and Google	Jonathan Belmaker, Raja Giryes		200,000NIS	200,000NIS
2022	Head conference organization: Israeli Chapter of the Society for Conservation Biology (Tel Aviv, Israel)	Jonathan Belmaker	-	$3,500	$3,500

G3. FELLOWSHIPS/ SCHOLARSHIPS /PRIZES

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

Prizes

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

H. MEMBERSHIP IN PROFESSIONAL SOCIETIES

2001-	Israeli Society for the protection of Nature (SPNI)
2003-	Israel Zoological Society
2008-	International Biogeographic Society

I. STUDENTS SUPERVISED

I1. Doctoral Students

YEAR	NAME	SUBJECT	INSTITUTION	Comments
2012 - 2017	Itai van Rijn	Effect of rising temperature, alien species and fishing on Mediterranean fish and fisheries	Tel-Aviv University	Co-supervised with Moshe Kiflawi
2012 -2017	Or Givan	Commonness and rarity in Mediterranean fishes	Tel-Aviv University	
2013 -2017	Enav Vidan	Trait diversity of Palearctic reptiles	Tel-Aviv University	Co-supervised with Shai Meiri
2016-2020	Itai Granot	Community assembly and specialization across latitudinal gradients	Tel-Aviv University	

2016-2021	Ori Frid	Mediterranean fishes community structure	Tel-Aviv University	
2016-	Renanel Pickholtz	Stress and movement patterns of fishes	Tel-Aviv University	
2015-	Hezi Buba	Temperature-dependent functional responses in fishes	Tel-Aviv University	Started as a MSc student, and moved to a PhD program in 2016
2018-	Sarah Ohayon	Fish spillover from marine protected areas	Tel-Aviv University	
2018-	Shahar Chaikin	Patterns and drivers underlying fish depth distributions	Tel-Aviv University	Direct PhD program
2020-	Merav Lebel	Predicting success of rare species translocations	Tel-Aviv University	Co-supervised with Yuval Sapir
2020-	Mai Lazarus	Examining the relationships between larval, juvenile, and adult fish communities	Tel-Aviv University	Co-supervised with Roi Holzman
2020-	Tal Gavriel	Disentangled the influence of rare, transient, and absent species (dark diversity) on reef fish diversity patterns	Tel-Aviv University	
2022-	Inbar Dahan	Behavioral edge effects in marine protected areas	Tel-Aviv University	

I2. M.Sc. Students

YEAR	NAME	SUBJECT	INSTITUTION	Comments
2013 -2015	Itai Granot	Ecological features associated with invasion success among fouling communities	Tel-Aviv University	Co-supervised with Noa Shenkar
2013 -2015	Ori Frid	Gear Selectivity and seasonality in Israeli gill and Trammel net fisheries	Tel-Aviv University	
2013 -2016	Renanel Pickholtz	The spatial ecology of an invasive herbivorous fish (*Siganus rivulatus*) in its native and invaded range	Tel-Aviv University	Co-supervised with Moshe Kiflawi

2015-2017	Inbal Gamliel	Incorporating physiology into species distribution models moderates projected impact of warming on Mediterranean marine species	Tel-Aviv University	Co-supervised with Gil Rilov
2015-2017	Hagar Yancovitch shalom	Fish abundance patterns across their range - a closer examination of the 'abundant centre' hypothesis	Tel-Aviv University	
2016-2018	Tal Gavriel	Lionfish movement ecology	Tel-Aviv University	
2017-	Amir Rubinstein	Scaling of bird co-occurrence and phylo-diversity	Tel-Aviv University	
2017-2019	Dvora Lev	Temporal changes in the climatic affinity of Mediterranean fishes	Tel-Aviv University	
2017-2019	Mai Lazrus	Heterogeneity and Mediterranean fish community structure	Tel-Aviv University	
2018-2020	Daphna Shapiro Goldberg	Grazing Behavior of Invasive Herbivorous Fish in the Mediterranean Sea	Tel-Aviv University	
2018-	Liron Kraushar	Chaetognath community structure	Tel-Aviv University	Co-supervised with Roi Holzman
2018-	Nitzan Yitzhak	The ecology of alien Tetraodontidae in the eastern Mediterranean Sea	Tel-Aviv University	Co-supervised with Nir Stern
2018-2020	Shira Salingré	Non-stationarity of biotic interactions among Mediterranean fishes	Tel-Aviv University	
2019-2022	Noy Shapira	Functional diversity of Red Sea fishes	Tel-Aviv University	
2019- 2022	Itai Namir	Shifts in diel activity patterns within Israeli mammals	Tel-Aviv University	Co-supervised with Avi Bar Massada
2019-2021	Rei Diga	Small scale ecological effects of invading bivalves in the Levant	Rupin college	Co-supervised with Gitai Yahel
2019-	Yochai Meir	Fish larvae mitochondria genome collection and COI barcode detection through high throughput sequencing	Tel-Aviv University	Co-supervised with Roi Holzman and Itai Sharon
2020-	Yuval Goth	Multiple stable states in ecological communities	Tel-Aviv University	Co-supervised with Yoav Ram

2020-	Yamit Romano	Apolonia beach "yellow spill": biological, chemical and eco-toxicological impacts	Tel-Aviv University	Co-supervised with Yehuda Benayahu
2021-	Aliza Leit	Restoration of abrasion platforms	Tel-Aviv University	Co-supervised with Gil Rilov
2021-	Avery Deveto	Prediction fish invasion success	Tel-Aviv University	Co-supervised with Roi Holzman
2021-	Ori Hepner	Biogeography of soft-bottom fish communities	Tel-Aviv University	

I3. Post-Doctoral Researchers

YEAR	NAME	SUBJECT	INSTITUTION	Comments
2012-2013	Assaf Zvuloni	Scaling of coral functional and phylogenetic structure	Ben Gurion University	Co-supervised with Moshe Kiflawi
2016-2017	Jenny Tynyakov	Anthropogenic influences on fish behavior	Tel-Aviv University	
2016-2018	Shane Blowes	Scale-dependencies in the drivers of large-scale diversity gradients	Tel-Aviv University and iDiv	Co-supervised with Jonathan Chase
2018-2020	Hikaru Homma	Using a novel acoustic broadband echo sounder for fish identification and biomass assessment to optimize fisheries management in Lake Kinneret	Israel Oceanographic and Limnological Research	Co-supervised with Ilia Ostrovsky
2018-2019	Itai van Rijn	Individual-based modeling for fisheries management in Lake Kinneret	Tel-Aviv University	
2019-2021	Shevy Rothman	Co-introductions of fishes and their parasites in the Mediterranean Sea	Tel-Aviv University	
2019-2021	Victor China	Developing AI methods for fish identification n the Red Sea	Ben Gurion University	Co-supervised with Uri Roll
2022-	Eduardo Arle	A correlative framework to examine the fundamental niche of species considering the native and alien ranges	Tel-Aviv University	Co-supervised with Tiffany Knight

J. SCIENTIFIC PUBLICATIONS

Candidate's name in **bold**
Students belonging to the Belmaker lab underlined
Technicians and other Paid employees in the Belmaker lab double underlined
^ Equal contributors
* Corresponding author
Ranking based on Web of Science; Citations based on Google Scholar

A. Books and Monographs

B. Textbooks

C1. Refereed Research Articles

1. Abramsky Z*, Rosenzweig ML, **Belmaker J**, Bar A. The impact of long-term continuous risk of predation on two species of gerbils. *Canadian Journal of Zoology 82 pp. 464-474, 2004*

2. **Belmaker J** *, Shashar N, Ziv Y. Effects of small-scale isolation and predation on fish diversity on experimental reefs. *Marine Ecology Progress Series 289, pp. 273-283, 2005*

3. Kiflawi M*, **Belmaker J**, Brokowich E, Einbinder S, Holtzman R. The determinants of species richness of a relatively young coral-reef ichthyofauna. *Journal of Biogeography 33, pp. 1289-1294, 2006*

4. **Belmaker J***, Ben Moshe N, Ziv Y, Shashar N. Determinants of the steep species-area relationship for coral reef fishes. *Coral Reefs 26, pp. 103-11, 2007.*

5. Kiflawi M*, **Belmaker J**, Brokowich E, Einbinder S, Holtzman R. Species diversity can drive speciation: comment. *Ecology 88, pp. 2132-2135, 2007*

6. **Belmaker J***, Polak O, Shashar N, Ziv Y. Geographical divergence in the relationship between *Paragobiodon echinocephalus* and its obligate coral host. *Journal of Fish Biology 71, pp.1555-1561, 2007.*

7. Tsurim I*, Sapir N, **Belmaker J**, Shanni I, Pinshow B, Izhaki I, Wojciechowski MS, Karasov WH. Consequences of water availability on diet, food intake rate, body mass and fat accumulation of a migratory songbird. *Oecologia 156, pp. 21-30, 2008.*

8. **Belmaker J***, Shashar N, Ziv Y , Connolly SR. Regional variation in the hierarchical partitioning of diversity in coral-dwelling fishes. *Ecology 89 pp. 2829-2840, 2008*

9. **Belmaker J***, Ziv Y, Shashar N. Habitat patchiness and predation modify the distribution of a coral-dwelling damselfish. *Marine Biology 156, pp. 447-454, 2009*

10. **Belmaker J***, Brokowich E, China V, Golani D, Kiflawi M. Estimating the magnitude of biological introductions: fish immigration rates into the Mediterranean. *Ecology 90 pp. 1134-1141, 2009*.

11. **Belmaker J***. Species richness of resident and transient coral-dwelling fish responds differentially to regional diversity. *Global Ecology and Biogeography 18, pp. 426-436, 2009*.

12. **Belmaker J^,***, Cooper N^, Lee TM^, Wilman H^. Specialization and the road to academic success. *Frontiers in Ecology and the Environment 8, pp. 514–515, 2010*

13**. Belmaker J***, Jetz W. Cross-scale variation in species richness-environment associations. *Global Ecology and Biogeography,20 pp. 464-474, 2011*

14. **Belmaker J***, Shashar N, Ziv Y. Experimental examination of the influence of small scale connectivity on reef fish. Landscape Ecology, 26 *pp. 587-597, 2011*

15. **Belmaker J***, Jetz W. Specialization and coexistence in species-rich bird assemblages. Journal of Biogeography, 39 *pp. 193-203, 2012*

16. **Belmaker J***, Jetz W. Regional pools and environmental controls of vertebrate assemblages. The American Naturalist, 179, *pp. 512-523, 2012*

17. Keil P*, **Belmaker J**, Wilson A, Unit P, Jetz W. Downscaling of species distribution models: a hierarchical approach Methods in Ecology & Evolution, *4, pp. 82-94, 2013*
[factor of 5.3, 15 / 141 (Ecology), Q1, cited: 78]

18. **Belmaker J***, Jetz W. Spatial scaling of functional structure in bird and mammal assemblages. The American Naturalist, *181, pp. 464-478, 2013*
[factor of 4.5, 23 / 141 (Ecology), Q1, cited: 50]

19. **Belmaker J***, Parravicini V, Kulbicki M. Ecological traits and environmental affinity explain Red Sea fish introduction into the Mediterranean. Global Change Biology, *19, pp. 1373-1382, 2013*
[impact factor of 8.2, 6 / 141 (Ecology) and 1/42 (biodiversity conservation), Q1, cited: 67]

20. Darroch SAF*, Webb AE, Longrich N, **Belmaker J**. Paleocene-Eocene evolution of beta-diversity among ungulate mammals in North America. Global Ecology and Biogeography, *23, pp. 757-768, 2014*
[impact factor of 7.2, 7 / 141 (Ecology) and 1/46 (physical geography), Q1, cited: 7]

21. Wilman H, **Belmaker J**, Simpson J, de la Rosa C, Rivadeneira MM, Jetz W*. EltonTraits 1.0: Species-level foraging attributes of the world's birds and mammals.
Ecology, *95, pp. 2027, 2014.* [Data paper]
[impact factor of 5, 17 / 141 (Ecology), Q1, cited: 805]

22. Parravicini V*, Villéger S, McClanahan TR, Arias-González JE, Bellwood, DR, **Belmaker J** , Chabanet P, Floeter SR, Friedlander AM, Guilhaumon, Vigliola L, Kulbicki M, Mouillot D. Global mismatch between species richness and vulnerability of reef fish assemblages. Ecology Letters, 17, *pp.* 1101–1110, 2014
[impact factor of 13, 2 / 141 (Ecology), Q1, cited: 80]

23. **van Rijn I*, Givan O*, Granot I*, Vidan E*, Pickholtz R*, Frid O*, Belmaker J.** Israeli trawl catch in the years 1976-2010. Ecology and Environment, 5, *pp.* 106-110, 2014 [in Hebrew, no impact factor in ISI]

24. Parravicini V*, Azzurro E, Kulbicki M, **Belmaker J***. Niche shifts can impair the ability to predict invasion risk in the marine realm: an illustration using Mediterranean fish invaders. Ecology Letters, 18, *pp*. 246-253, 2015
[impact factor of 13, 2 / 141 (Ecology), Q1, cited: 93]

25. **Belmaker J***, Jetz W. Relative roles of ecological and energetic constraints, diversification rates and region history on global richness gradients. Ecology Letters, 18, *pp*. 563-571, 2015.
[impact factor of 13, 2 / 141 (Ecology), Q1, cited: 118]

26. **Belmaker J**^,*, Zarnetske P^, Tuanmu MN, Zonneveld S, Record S, Strecker A, Beaudrot L. Empirical evidence for the scale-dependence of biotic interactions . Global Ecology and Biogeography, 24 *pp*. 750–761, 2015
[impact factor of 7.2, 7 / 141 (Ecology) and 1/46 (physical geography), Q1, cited: 59]

27. Abelson A*, Halpern BS, Reed DC, Orth RJ, Kendrick GA, Beck MW, **Belmaker J**, Krause G, Edgar GJ, Airoldi L, Brokovich E, France Rm Shashar N, de Blaeij A, Stambler N, Salameh P, Shechter M, Nelson PA. Upgrading Marine Ecosystem Restoration Using Ecological–Social Concepts. BioScience, 6*6 pp*. 156-163, 2015
[Impact factor of 5.38, 7 / 85 (Biology), Q1, cited: 74]

28. Schipper AM*, **Belmaker J**, Dantas de Miranda M, Navarro LM, Böhning-Gaese K, Costello MJ, Dornelas M, Foppen R, Hortal J, Huijbregts MAJ, Martín-López B, Pettorelli N, Queiroz C, Rossberg AG, Santini L, Schiffers K, Steinmann ZJN, Visconti P, Rondinini C, Pereira HM. Contrasting changes in the abundance and diversity of North American bird assemblages from 1971 to 2010. Global Change Biology, 22, *pp*. 3948-3959, 2016
[impact factor of 8.2, 6 / 141 (Ecology) and 1/42 (Biodiversity conservation), Q1, cited: 62]

29. Abelson A*, Nelson PA, Edgar GJ, Shashar N, Reed DC, **Belmaker J**, Krause G, Beck MW, Brokovich E, France R, Gaines SD. Expanding marine protected areas to include degraded coral reefs. Conservation Biology, 30, *pp*. 1182-1191, 2016
[impact factor of 4.27, 6 / 49 (Biodiversity conservation), Q1, cited: 40]

30. Azzurro E*, Maynou F, **Belmaker J**, Golani D, Crooks JA. Lag times in Lessepsian fish invasion. Biological invasions, 18, *pp*. 2761-2772, 2016
[impact factor of 2.85, 9 / 49 (Biodiversity conservation), Q1, cited: 46]

31. Lewin A*, Feldman A, Bauer AM, **Belmaker J,** Broadley DG, Chirio L, Itescu Y, LeBreton M, Maza E, Meirte D, Nagy ZT, Novosolov M, Roll U, Tallowin O, Trape OJ, **Vidan E***, Meiri S. Patterns of species richness, endemism and environmental gradients of African reptiles. Journal of Biogeography, 43, *pp*. 2380-2390, 2016
[impact factor of 4.00, 26 / 150 (Ecology) 5/ 49 (Physical geography) , Q1, cited: 32]

32. Zvuloni A⋆, **Belmaker J.** Estimating ecological count-based measures from the point-intercept method. Marine Ecology Progress Series, 556, *pp.* 123–130, 2016
[impact factor of 2.36, 23 / 104 (Marine & Freshwater Biology), Q1, cited: 0]

33. Santini L⋆, **Belmaker B,** Costello MJ, Pereirae HM, Rossberg AG, Schipper AM, Ceauşu S, Maria Dornelas M, Hilbers J, Hortal J, Mark A.J. Huijbregts MAJ , Navarro LM, Schiffer KH, Visconti P, Rondinini C. Assessing the suitability of diversity metrics to detect biodiversity change. Biological conservation, *213, pp. 341-350, 2016*
[impact factor of 3.99, 7 / 49 (Biodiversity conservation), Q1, cited: 71]

34. Givan O⋆**,** Parravicini V, Kulbicki M, **Belmaker J.** Trait structure reveals the processes underlying fish establishment in the Mediterranean. Global Ecology and Biogeography, *26, pp. 142-153, 2017*
[impact factor of 7.2, 7 / 141 (Ecology) and 1/46 (Physical geography), Q1, cited: 24]

35. Bar-Massada A*****, **Belmaker J**. Non-stationarity in the co-occurrence patterns of species across environmental gradients. Journal of Ecology, *105, pp. 391-399, 2017.*
[impact factor of 6.2, 9 / 150 (Ecology), Q1, cited: 19]

36. van Rijn I *****, Buba H, DeLong JP, Kiflawi M, **Belmaker J**. Large but uneven reduction in fish size across species in relation to warming temperatures. Global Change Biology*, 23, pp. 3667-3674, 2017.* [impact factor of 8.44, 6 / 150 (Ecology) 1/49 (Biodiversity conservation), Q1, cited: 41]

37. Carmel Y*****, Suprunenko YF, Kunin WE, Kent R, **Belmaker J**, Bar-Massada A, Cornell SJ. Using exclusion rate to unify niche and neutral perspectives on coexistence. Oikos, *126 (10), 1451-1458, 2017*. [impact factor of 3.59, 34 / 150 (Ecology), Q1, cited: 17]

38. Vidan E*****, Roll U, Bauer A, Grismer L, Guo P, Maza E, Novosolov M, Sindaco R, Wagner P, **Belmaker J**, Meiri S. The Eurasian hot nightlife - environmental forces associated with nocturnality in lizards. Global Ecology and Biogeography*, 26 (11), 1316-1325, 2017*
[impact factor of 7.2, 7 / 141 (Ecology) and 1/46 (physical geography), Q1, cited: 13]

39. Givan O*****, Edelist D, Sonin O, **Belmaker J**. Thermal affinity as the dominant factor changing Mediterranean fish abundances. Global Change Biology*, 24 (1), e80-e89, 2018*
[impact factor of 8.5, 6 / 153 (Ecology) and 1/53 (biodiversity conservation), Q1, cited: 34]

40. Buba Y*****, van Rijn I, Blowes S, Sonin O, Edelist D, DeLong JP, **Belmaker J**. Remarkable size-spectra stability in a marine system undergoing massive invasion. Biology Letters*, 13 (7), 20170159, 2017*
[impact factor of 3.1, 17 / 84 (Biology), Q1, cited: 6]

41. Granot I*****, Shenkar N, **Belmaker J.** Habitat niche breadth predicts invasiveness in ascidians. Ecology and Evolution*, 7 (19), 7838-7847, 2017*.
[impact factor of 2.4, 57 / 153 (Ecology), Q2, cited: 6]

42. Blowes SA*****, **Belmaker J,** Chase J. Scale-dependent dissections of global reef fish diversity gradients. Proceedings of the Royal Society B*, 284 (1867), 20170947, 2017*
[impact factor of 4.94, 8 / 84 (Biology), Q1, cited: 11]

43. Dornelas M***** et al. (including Malamud S, Blowes SA, van Rijn I, Givan O, **Belmaker J**.). BioTIME: a database of biodiversity time series for the Anthropocene. Global Ecology and Biogeography, 27 (7), 760-786, 2018. [Data paper]
[impact factor of 5.7, 17 / 165 (Ecology) and 2/46 (Physical geography), Q1, cited: 141]

44. Reed QD⋆, Baiser B, Grady JM, Zarnetske P, Record S, **Belmaker J**. Tropical bird species have less variable body sizes. Biology Letters, *14 (1), 20170453, 2018*
[impact factor of 3.3, 17 / 87 (Biology), Q1, cited: 10]

45. Reed QD*, Grady JM, Zarnetske P, Record S, Baiser B, **Belmaker J**, Tuanmu MN, Strecker A, Beaudrot L, Thibault KM. Among-species overlap in rodent body size distributions predicts species richness along a temperature gradient. Ecography, *41, 1718–1727, 2018* [impact factor of 5.9, 12 / 165 (Ecology), Q1, cited: 11]

46. Record S*, Strecker A, Tuanmu MN, Beaudrot L, Zarnetske P, **Belmaker J,** Gerstner B. Does scale matter? A systematic review of incorporating biological realism when predicting changes in species distributions. PLoS One, *13 (4), e0194650, 2018*
[impact factor of 2.8, 24 / 69 (Multidisciplinary Sciences), Q2, cited: 16]

47. Dalongeville A*, Andrello M, Mouillot D, Lobreaux S, Fortin M-J, Lasram F, **Belmaker J,** Rocklin D, Manel S. Geographic isolation and larval dispersal shape seascape genetic patterns differently according to spatial scale. Evolutionary applications, *11 (8), 1437-1447, 2018*
[impact factor of 5.0, 9 / 50 (Evolutionary Biology), Q1, cited: 19]

After last promotion:

48. Pickholtz R*, Kiflawi M, Friedlander A, **Belmaker J**. Habitat utilization by an invasive herbivorous fish (*Siganus rivulatus*) in its native and invaded range. Biological invasions, *20 (12), 3499-3513, 2018*
[impact factor of 2.9, 12 / 59 (Biodiversity Conservation), Q1, cited: 10]

49. Arndt E*, Givan O, Edelist D, Sonin O, **Belmaker J.** Shifts in Eastern Mediterranean Fish Communities: Abundance Changes, Trait Overlap, and Possible Competition between Native and Non-Native Species. Fishes, *3 (2), 19, 2018*
[no impact factor in ISI, cited: 19]

50. Bar-Ziv MA*, Subach A, Hirsch-Ionesci, **Belmaker J**, Zweifler A, Scharf I. Comparison of wormlions and their immediate habitat under man-made and natural shelters: suggesting factors making wormlions successful in cities. Zoology *130, 38-46, 2018*
[impact factor of 1.8, 40 / 170 (Zoology), Q1, cited: 5]

51. Audzijonyte A*, Barneche DR, Baudron AR, **Belmaker J**, Clark TD, C. Marshall CT, Morrongiello JR, van Rijn I. Is oxygen limitation in warming waters a valid mechanism to explain decreased body sizes in aquatic ectotherms? Global Ecology and Biogeography, *29 (2), 64-77, 2019*
[impact factor of 5.7, 17 / 165 (Ecology) and 2/46 (Physical Geography), Q1, cited: 63]

52. Rice A*, Šmarda P, Novosolov M, Drori M, Glick L, Sabath N, Meiri S, **Belmaker J**, Mayrose I. The Global Biogeography of Polyploid Plants. Nature Ecology and Evolution,*3, 265–273, 2019*
[impact factor of 11.0, 2 / 165 (Ecology), Q1, cited: 74]

53. DeLong JP*, **Belmaker J**. Ecological pleiotropy and indirect effects alter the potential for evolutionary rescue. Evolutionary applications, *12(3), 636-654, 2019*
[impact factor of 5.0, 9 / 50 (Evolutionary Biology), Q1, cited: 3]

54. Frid O*, **Belmaker J.** Catch dynamics of set net fisheries in Israel in relation to mesh size. Fisheries Research, *213, 1-11, 2019*
[impact factor of 2.3, 16 / 52 (Fisheries), Q2, cited: 3]

55. Shapiro Goldberg D*, van Rijn I**,** Kiflawi M**, Belmaker J.** Decreases in length at maturation of Mediterranean fishes associated with higher sea temperatures. ICES Journal of Marine Science, *76 (4), 946-959, 2019*
[impact factor of 3.4, 5 / 52 (Fisheries), Q1, cited: 6]

56. Buba Y*, **Belmaker J.** Native-exotic diversity relationships for Eastern Mediterranean fishes reveal weak pattern of interactions. Marine Ecology Progress Series, *611, 215-220, 2019*
[impact factor of 2.3, 26 / 107 (Marine & Freshwater Biology), Q1, cited: 3]

57. Vidan E*, Bauer A, Hererra FC, Chirio L, Nogueira C, Doan T, Lewin A, Meirte D, Nagy Z, Novosolov M, Pincheira-Donoso D, Tallowin O, Torres-Carvajal O, Uetz P, Wagner P, Wang Y, **Belmaker J**, Meiri S. The global biogeography of lizard functional groups. Journal of Biogeography, *46 (10), 2147-2158, 2019*
[impact factor of 3.9, 34 / 165 (Ecology), Q1, cited: 8]

58. Granot I***, Belmaker J.*** Niche-breadth and species richness: correlation strength, scale, and mechanisms. Global Ecology and Biogeography, *29(1), 159-170, 2020*
[impact factor of 5.7, 17 / 165 (Ecology) and 2/46 (Physical Geography), Q1, cited: 8]

59. Blowes S*, Chase J, Di Franco A, Frid O, Gotelli NJ, Guidetti P, Knight T, May F, McGlinn D, Micheli F, Sala E, **Belmaker J**. Mediterranean marine protected areas have higher biodiversity via increased evenness, not abundance. Journal of Applied Ecology, *57 (3), 578-589, 2020*
[impact factor of 5.8, 14 / 165 (Ecology), Q1, cited: 8]

60. van Rijn I*, Kiflawi M, **Belmaker J**. Alien species stabilize local fisheries catch in a highly invaded ecosystem. Canadian Journal of Fisheries and Aquatic Sciences, *77 (4), 752-761, 2020*
[impact factor of 2.6, 13 / 52 (Fisheries), Q1, cited: 6]

61. Chaikin S*, **Belmaker J**, Barash A. Coastal breeding aggregations of threatened stingrays and guitarfish in the Levant. Aquatic Conservation: Marine and Freshwater Ecosystems, *30 (6), 1160-1171, 2020*
[impact factor of 2.9, 15 / 108 (Marine & Freshwater Biology), Q1, cited: 3]

62. Gamliel I, Buba Y, Guy-Haim T, Garval T, Willette D, Rilov G, **Belmaker J***. Incorporating physiology into species distribution models moderates the projected impact of warming on selected Mediterranean marine species. Ecography, *43 (7), 1090-1106, 2020*
[impact factor of 5.9, 4 / 59 (biodiversity conservation) 12 / 165 (Ecology), Q1, cited: 11]

63. Yancovitch Shalom H, Granot I, Blowes SA**,** Friedlander A, Mellin C, Ferreira CEL, Ernesto AGJ, Kulbicki M, Floeter SR, Chabanet P, Parravicini V, **Belmaker J*.** A closer examination of the 'abundant center' hypothesis for reef fishes. Journal of Biogeography, *47 (10), 2194-2209, 2020* [impact factor of 4.3, 35 / 166 (Ecology), Q1, cited: 1]

64. Gavriel T***, Belmaker J***. Little spatial and temporal segregation between coexisting lionfishes (*Pterois miles* and *Pterois radiata*) in the Red Sea. Israel Journal of Ecology & Evolution, *1, 1-9, 2020*
[impact factor of 0.36, 166 / 169 (Ecology), Q4, cited: 0]

65. Maureaud AA*, et al. (including van Rijn I**, Belmaker J**.). Are we ready to track climate-driven shifts in marine species across international boundaries? - A global survey of scientific bottom trawl data. Global Change Biology, 27 (2), *220-236, 2021*
[impact factor of 8.6, 7/169 (Ecology) and 1/58 (Biodiversity Conservation), Q1, cited: 9]

66. Lazarus M*, **Belmaker J.** A review of seascape complexity indices and their performance in coral and rocky reefs. Methods in Ecology and Evolution, *12, 681–695, 2021*
[impact factor of 7.8, 7/178(Ecology), Q1, cited: 0]

67. China V*, Zvuloni A, Roll U, **Belmaker J.** Reduced human activity in shallow reefs during the COVID-19 pandemic increases fish evenness. Biological Conservation, *257, 109103, 2021*
[impact factor of 4.7, 6/58 (Biodiversity conservation), Q1, cited: 2]

68. Ohayun S*, Granot I, **Belmaker J**. A meta-analysis reveals edge effects within marine protected areas. Nature Ecology & Evolution, *5 (9), 1301-1308, 2021*
[impact factor of 15.4, 2/166 (Ecology), Q1, cited: 0]

69. Bates AE* et al. (including Buba Y, China V, Gavriel T, Lazrus M, Malamud S, Namir I, Salingré S, **Belmaker J**). Global COVID-19 lockdown highlights humans as both threats and custodians of the environment. Biological Conservation, *263, 109175, 2021*
[impact factor of 4.7, 6/58 (Biodiversity conservation), Q1, cited: 0]

70. Shapiro Goldberg D*, Rilov G, Villéger S, **Belmaker J**. Predation cues lead to reduced foraging of invasive *Siganus rivulatus* in the Mediterranean. Frontiers in Marine Science, *8, 678848, 2021*
[impact factor of 4.9, 6 / 110 (Marine & Freshwater Biology), Q1, cited: 0]

71. Gavriel T*, Pickholtz R**, Belmaker J.** Large individual-level variability in diel activity and depth use for the common lionfish (*Pterois miles*). Frontiers in Marine Science, *8, 790930, 2021*
[impact factor of 4.9, 6 / 110 (Marine & Freshwater Biology), Q1, cited: 0]

72. Steger J, Bošnjak M, **Belmaker J**, Galil BS, Zuschin M, Albano PG. Non-indigenous molluscs in the Eastern Mediterranean have distinct traits and cannot replace historic ecosystem functioning. Global Ecology and Biogeography, *31 (1), 89-102, 2022*

[impact factor of 7.14, 11 / 166 (Ecology) and 2/50 (Physical Geography), Q1, cited: 0]

73. Chaikin S*, Dubiner S, **Belmaker J**. Cold-water species deepen to escape warm water temperatures. Global Ecology and Biogeography, *31 (1), 75-88, 2022*
[impact factor of 7.14, 11 / 166 (Ecology) and 2/50 (Physical Geography), Q1, cited: 0]

74. Buba Y*, DeLong JP, **Belmaker J**. Synthesizing drivers of fish functional responses across species. Fish and Fisheries, *23 (2), 376-391, 2022*
[impact factor of 7.22, 2 / 55 (Fisheries), Q1, cited: 0]

75. Frid O*, Lazarus M, Malamud S, **Belmaker J,** Yahel R. Effects of marine reserves on fish communities in a hotspot of climate change and invasion. Mediterranean Marine Science, *in press*
[impact factor of 2.3, 38 / 110 (Marine & Freshwater Biology), Q2, cited: 0]

76. Escalas A*, Auguet JC**,** Avouac A, **Belmaker J**, Dailianis T, Kiflawi M, Pickholtz R, Skouradakis G, Villéger S. Shift and homogenization of gut microbiome during invasion in marine fishes. Animal Microbiome, *in press*. [no impact factor yet, cited: 0]

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79. Escalas A*, Avouac A**, Belmaker J**, Bouvier T, Cledassous V, Ferraton F, Rieuvilleneuve F, Rilov G, Mulet AR, Shapiro-Goldberg D, Villéger S. An invasive herbivorous fish (*Siganus rivulatus*) influences both benthic and planktonic microbes through defecation and nutrient excretion. Science of the Total Environment, *in press*. [impact factor of 7.96, 25 / 274 (Environmental Science), Q1, cited: 0]

80. Guillaumot C*, **Belmaker J,** Buba Y, Fourcy D, Dubois P, Danis B, Saucède T. Classic or hybrid? The performance of next generation ecological models to study the response of Southern Ocean species to changing environmental conditions. Diversity and Distributions, *in press.* [impact factor of 5.71, 8 / 65 (Biodiversity Conservation), Q1, cited: 0]

81. Osmolovsky I, Shifrin M, Gamliel I, **Belmaker J**, Sapir Y*. Eco-geography and phenology are the major drivers of reproductive isolation in the Royal Irises, a species complex in the course of speciation. Plants, *in press*.

82. Chaikin S*, De-Beer G, Yitzhak N, Stren N, **Belmaker J**. The invasive silver-cheeked toadfish (*Lagocephalus sceleratus*) predominantly impacts the behavior of other non-indigenous species in the Eastern Mediterranean. Biological invasions, *in press.*
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C2. Research Articles Accepted

83. Frid O*, Malamud S**,** Di Franco A, Guidetti P, Azzurro E, Claudet J, Micheli F, Yahel R, Sala E, **Belmaker J**. Marine protected areas' positive effect on fish biomass persists across the steep climatic gradient of the Mediterranean Sea. Journal of Applied Ecology, *in press.* [impact factor of 6.87, 6 / 65 (Biodiversity Conservation), 17 / 173 (Ecology), Q1, cited: 0]

84. Diga R*, Gilboa M, Moskovich R, Darmon N, Amit T, **Belmaker J,** Yael G. Invading bivalves replaced native Mediterranean bivalves, with little effect on the local benthic community. Biological invasions, *in press.* [impact factor of 3.6, 17 / 65 (Biodiversity Conservation), 64 / 173 (Ecology), Q2, cited: 0]

85. Lerner D*, Fernandez-Martinez M, Livne-Luzon S, **Belmaker J**, Penuelas J, Klein T. A biome-dependent distribution gradient of tree species range edges is strongly dictated by climate spatial heterogeneity. Nature Plants, *in press.* [impact factor of 17.35, 4 / 239 (Plant Sciences), Q1, cited: 0]

86. Frid O*, Gavriel T**,** Ben-ari Y, Wainberger A, Yancovich-Shalom H, **Belmaker J**. Catch estimates and species composition of recreational fishing in Israel. Fishes, *in press.*

C3. Research Articles Submitted

87. Gavriel T*, Zvuloni A, Levy L, Avidan C, Lazarus M, Frid O, Marom S, Chaikin S, Malamud S, Salingre S, Pickholtz R, Holzman R, Perevolotsky T, Buba Y, **Belmaker J**. An extreme storm decreases reef fish abundance and richness but does not impact spatial heterogeneity. Coral reefs, *submitted*

88. Chaikin S*, **Belmaker J**. Fish depth redistributions do not allow to maintain abundances in a region of rapid climate change. Oikos, *submitted.*

89. Pickholtz R*, Kiflawi M, Buba Y, Chaikin S, Gavriel T, Lapid G, Lazarus M, Malamud S, Marom N, Nieger-Rachmilevitz M, Olsson K, Perevolotsky T, Rothman S, Salingre S, Shapira N, Sternbach B, Wandel H, **Belmaker J**. Confronting the 'nocturnal problem' on coral reefs: sleeping habitat utilization and cocoon formation in parrotfishes. Coral reefs, *submitted*

D. Refereed Review Articles

D1. Review Articles Published

1. Lessard J-P*, **Belmaker J**, Myers JA, Chase JM, Rahbek C. Inferring local ecological processes amid source pool influences. Trends in Ecology & Evolution, 27, *pp. 600-607, 2012* [factor of 15.3, 1 / 141 (Ecology), Q1, cited: 128]

2. Zarnetske P*, Baiser B, Strecker A, Record S, **Belmaker J**, Tuanmu MN. The interplay between landscape structure and biotic interactions. Current Landscape Ecology Reports, *2, pp. 12-29, 2017.* [no impact factor in ISI, cited: 19]

After last promotion:

3. Bates AE*, Helmuth B, Burrows MT, Duncan MI, Garrabou J, Guy-Haim T, Lima F, Queiros AM, Seabra R, Marsh R, **Belmaker J**, Bensoussan N, Dong Y, Mazaris AD, Smale D, Wahl M, Rilov G. Biologists ignore ocean weather at their peril. Nature *560, 299-301, 2018* [comment]
[impact factor of 43, 1 /69 (Multidisciplinary Sciences), Q1, cited: 67]

4. Winters G*, Beer S, Willette DA, Viana I, Chiquillo KL, Beca-Carretero P, Villamayor B, Azcárate-García T, Shem-Tov R, Mwabvu B, Migliore L, Rotini A, Oscar MA, **Belmaker J**, Gamliel I, Alexandre A, Engelen AH, Procaccini G, Rilov G. The tropical seagrass *Halophila stipulacea*: reviewing what we know from its native and invasive habitats, alongside identifying knowledge gaps. Frontiers in Marine Science, *7, 300, 2020*
[impact factor of 3.1, 13 / 108 (Marine & Freshwater Biology), Q1, cited: 24]

5. Jarić I*, Roll U, Arlinghaus R, **Belmaker J**, Chen Y, China V, Douda K, Essl F, Jähnig SC, Jeschke JM, Kalinkat G, Kalous L, Ladle LR, Lennox RJ, Rosa R, Sbragaglia V, Sherren K, Šmejkal M, Soriano-Redondo A, Souza AT, Wolter C*, Correia RA. Expanding conservation culturomics and iEcology from terrestrial to aquatic realms. PLoS Biology, *18 (10), e3000935, 2020*
[impact factor of 7.1, 6 /93 (Biology), Q1, cited: 5]

D2. Review Articles Accepted

D3. Review Articles Submitted

E. Chapters in books

1. Belmaker J*, Brokovich E, China V, Golani D, Kiflawi M. Introduction rates of Lessepsian fishes in the Mediterranean. In: Golani D and Golani B (*eds*). Fish Invasions of the Mediterranean Sea – Change and Renewal. *Pensoft Publishers, Sofia pp. 57-79, 2010*

After last promotion:

2. **Belmaker J***, Abelson A, Sasson M, Yamaguchi N, Shefer S, Gefen E. The difficult of identifying the origin of invasive species: a case study using the mytilid *Brachidontes pharaonis*. In: Jawad L (eds). The Arabian Seas: Biodiversity, Environmental Challenges and Conservation Measures. *Springer, pp. 1293-1307, 2021*

F. Papers published in Proceedings or other unreviewed publications:

1. Cooper N*****, **Belmaker J.** Habitat data resolution and the detection of species interactions.
Frontiers of Biogeography 2 *pp. 46, 2010* [Letter to Editors]

After last promotion:

2. Roll U*****, **Belmaker J**, Bar David S, Dor R, Vidan E, Satz D, Yom-Tov Y, Levinsky I, Meiri S, Renan I, Shwartz A, Seigel O, Berger-Tal O. The is no compassion in conservtion biology with no action. Ecology and Environment, 3, *pp.* 58-60, 2018 [Opinion piece, in Hebrew]

3. Klein Y, Trivzki R, Gavriel T, Chaikin S, Lazarus M, Mamalud S, Rothman S, **Belmaker J***. Time to deepen: The Tel Aviv- Yafo marine monitoring program allows informed management of the urban coast and ocean. Ecology and Environment, *in press* [Opinion piece, in Hebrew]

G. Abstracts at International Meetings: None