



The 2nd Israeli Conference for Conservation Science A Sustainable Future for Humans and Nature

Tuesday, 16th April 2019

The conference will take place in the Butler auditorium, Samuel Neaman Institute Building

The Parallel Session will take place in the Faculty of Architecture and Town Planning, Amado building (Auditorium: 231 +232 + Peka Gallery)

The poster session will take place in the Water Research Institute building

08:30-09:00	Registration	
09:00-09:30	Welcome and Greetings	Samuel Neaman
09:00-09:05	Local organizers	
09:05-09:10	Israel Society of Conservation Biology	
09:10-09:15	Technion	
09:15-09:20	Nature and Parks Authority	
09:20-09:25	Ministry of Environmental Protection	
09:30-10:45	Plenum keynote lecture	
09:30-10:45	Prof. Kevin Gaston (Exeter University)	Conservation biology in an age of personalised human-nature interactions
10:45-11:15	Coffee break	
11:15-12:30	Plenum session, Israel 100 - Planning, Ecological Thresholds, and Biological Conservation - Daniel Orenstein	
11:15-11:40	Prof. Shamay Assif (Technion)	Israel 100: An integrative approach to strategic planning toward 2048
11:40-12:05	Dr. Miri Tsalyuk (Hebrew University)	Red Lines: A preliminary assessment of critical ecological thresholds for Israel 100
12:05-12:30	Planner Ofer Lerner (Technion)	Key issues for strategic planning and integration of environmental issues
12:30-13:30	Lunch	
13:30-15:00	Plenum panel discussion – Planning and biodiversity in Israel: lessons from the past, strategies for the future - Daniel Orenstein	
	Iris Hann (Society for the Protection of Nature) Prof. Alon Tal (Tel Aviv University) Prof. Tamar Dayan (Tel Aviv University) Dr. Yehoshua Shkedy (Nature and Parks Authority) Prof. Kevin Gaston and Dr. Monika Böhm - Closing remarks on Israel 100 and Biological Conservation	
15:00-15:30	Coffee break & Shifting to parallel sessions	
15:30-17:15	Parallel sessions	
15:30 -17:15	Animal and plant conservation - Tamar Dayan	Amado 231
15:30-15:45	Rona Nadler Valency	Human-hyaena Interactions in Ein-Vered, Israel: A case study for conflict management What can observations of reintroduced Griffon vultures (<i>Gyps fulvus</i>) tell us about the efforts to conserve this species in Israel?
15:45-16:00	Ron Efrat	Sex specific genetic structure: the Nubian ibex in the Judean Desert
16:00-16:15	Elyasaf Freiman	Nature conservation from an ecosystem perspective: A lesson from the extremely arid desert
16:15-16:30	Benny Shalmon	A nation-wide analysis of tree mortality under climate change: forest loss and its causes in Israel 1948-2017
16:30-16:45	Tamir Klein	Genetic rescue in space: inbreeding depression, ecological fit and the Iris
16:45-17:00	Yuval Sapir	The effect of plant soil feedback on the performance of <i>Iris lortetii</i>
17:00-17:15	Adi Schwalb	
15:30 - 17:15	Social sciences in conservation - Ayelet Shavit	Amado 232
15:30-15:45	John Mittermeier	A season for all things: Phenological imprints in Wikipedia usage and their relevance to conservation
15:45-16:00	Reut Vardi	Cyber blooming: Seasonal human-nature interactions in the field and on the web
16:00-16:15	Agathe Colleony	"Smell flowers" – Priming as a tool to promote meaningful experiences of nature and increase well-being
16:15-16:30	Ana de Osma	Bird postage stamps as symbols of the interactions between societies, governments, and nature
16:30-16:45	Yaella Depietri	Tradeoffs between fire regulating and cultural services in Haifa
16:45-17:00	Hila Sagie	Linking ecosystem services assessment to stakeholders in the Carmel Biosphere Reserve
17:00-17:15	Yael Teff-Seker	"Once more, with feeling": Applying mindful thinking to assess cultural ecosystem services
15:30 - 17:15	Marine conservation - Ruth Yahel	Peka Gallery
15:30-15:45	Ori Frid	The role of marine protected areas in mitigating the impact of invasive species
15:45-16:00	Eyal Miller	Do marine nature reserves enhance the conservation of the Mediterranean Slipper lobster (<i>Scyllarides latus</i>)?
16:00-16:15	Mai Lazarus	Novel indices to quantify biologically relevant marine habitat complexity
16:15-16:30	Shahar Chaikin	Large breeding aggregations of batoids in the Eastern Levantine coast
16:30-16:45	Tal Gavriely	Behavioral plasticity in lionfish (<i>Pterois miles</i>) in the Gulf of Aqaba
16:45-17:00	Adi Barash	Habitat use of dusky and sandbar sharks at a warm water discharge of a coastal power plant
17:00-17:15	Adam Weissman	The discovery of cold seep communities and cold water coral gardens at the Palmahim Disturbance- science based prediction of biodiversity hotspots in the deep Mediterranean.
17:15-18:00	Poster session, Pizza and Beer	Water Research Institute building
18:00 - 19:00	Inspiring nature conservation with the power of photography: A wildlife photographer's journey to the melting Arctic - Roie Galitz	

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מכון טכנולוגי
לישראל





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A Sustainable Future for Humans and Nature

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08:30-09:00	Gathering	
09:00-10:10	Plenum keynote lecture	Samuel Neaman
09:00-10:10	Dr. Monika Böhm (Zoological Society of London)	Biodiversity in a changing world: monitoring change for conservation & policy
10:10-10:30	Coffee break & Shifting to parallel sessions	
10:30-12:00	Parallel sessions	
10:30-12:00	Impacts of human activities on biodiversity conservation 1 - Rafi Kent	Peka Gallery
10:30-10:45	Daniella Moller	The Impact of terrestrial oil pollution on arthropods associated with Acacia trees in Evrona Nature Reserve, Israel
10:45-11:00	Ron Chen	Evidence for a multi-layer ecosystem damage in the polluted Ashalim desert channel
11:00-11:15	Yael Choshesh	Possible effects of environmental contaminants on breeding success of the Eurasian Griffon vulture (<i>Gyps Fulvus</i>) in north Israel
11:15-11:30	Tania Bird	Coastal dune conservation: Can we restore mobile dune biodiversity in the face of shrub encroachment in the coastal dunes of Israel?
11:30-11:45	Yael Lehnardt	Managing an invisible pollutant: Using soundscape recordings from Horesh Adulam nature reserve to better understand noise pollution and its consequences in Israel
11:45-12:00	Nitzan Segev	The impact of oil spills in the Avrona Nature Reserve on the distribution of ground-dwelling arthropods
10:30-12:00	Conservation planning - Takuya Iwamura	Amado 232
10:30-10:45	Gil Rilov	A fast-moving target: the challenge of achieving marine conservation goals with MPAs under climate change
10:45-11:00	Moshe Dubinin	Detecting biodiversity refugia using remotely sensed data
11:00-11:15	Idan Talmon	Regional scale ecological landscape evaluation: A comparison between GIS layer stacking and an optimization algorithm
11:15-11:30	Miriam Tsalyuk	Defining red lines for ecosystem health and biodiversity conservation in Israel
11:30-11:45	Keren Raiter	Projecting into the past to restore the future
11:45-12:00	Tal Polak	Optimal planning to mitigate the impacts of roads on multiple species
10:30-12:00	Agroecology - Yaron Ziv	Amado 231
10:30-10:45	Omri Avrech	The effect of honeybees on wild pollinator activity in apple orchards
10:45-11:00	Hamutal Friedman	The effect of agriculture on resident birds' community structure in three habitats along Israel's precipitation gradient
11:00-11:15	Gabriella Moller	Dominant parasitoids respond differently to weed management practices in vineyards in Israel
11:15-11:30	Hila Segre	Comparing costs-effectiveness of conserving non-crop habitats in agricultural landscapes at multiple scales
11:30-11:45	Liron Israely	Social marketing of agricultural practices supporting biodiversity
11:45-12:00	Sasha Pekarsky	A quantitative evaluation of the effectiveness of human-wildlife conflict management in a major stopover and wintering site
12:00-13:00	Lunch	
13:00-14:30	Plenum panel discussion - Biodiversity and climate change	Samuel Neaman
	Dr. Orna Metzner (Ministry of Environmental Protection)	On biodiversity and climate change: the Israeli perspective
	Prof. Marcelo Sternberg (Tel Aviv University)	The role of heterogeneity as a climate change buffer
	Dr. Ofir Levi (Tel Aviv University)	Can diurnal animals compensate for climate change by nocturnal activity?
	Dr. Tamar Guy-Haim (Israel Oceanographic and Limnological Research Institute)	The impact of ocean warming and acidification on coastal benthic species and communities
	Dr. Takuya Iwamura (Tel Aviv University)	Relative importance of changes in climate and land cover on bird species in Israel
14:30-14:50	Coffee break & Shifting to parallel sessions	
14:50-16:20	Parallel sessions	
14:50-16:20	Impacts of human activities on biodiversity conservation 2 - Uri Roll	Amado 232
14:50-15:05	Carmel Marie-Louise Herold	How does fire effect the arthropod community in thicket and scrubland habitats
15:05-15:20	Amit Bachar	Tree rings reveal the adverse effect of water confiscation on protected riparian <i>Platanus orientalis</i> tree growth
15:20-15:35	Aviv Avisar	Eucalypts inhibit pedogenesis (soil formation) and change community compositions in a sandy habitat
15:35-15:50	Amir Lewin	Analyzing the impacts of dryland agriculture on environmental systems in the Arava Valley
15:50-16:05	Idan Shapira	Ecological continuity under pressure: a study case from the Shilo River Reserve
16:05-16:20	Joseph J Erinjery	The efficacy of protected areas during and post-war in Sri Lanka
14:50-16:20	Animal conservation - Orr Spiegel	Peka Gallery
14:50-15:05	Tal Raz	What threatens the migratory Blackcap in Africa? Estimating the degree of climate and land cover changes within the estimated African wintering habitats
15:05-15:20	Olga Rybak	Breeding success and survival of terns nesting in Israel
15:20-15:35	Yonatan Zohar	Differential scale-related nest predation by foxes and ravens in relation to human activity in a desert area
15:35-15:50	Gal Vine	Location-aware alert system for wildlife poisoning using GPS tagged vultures
15:50-16:05	Yotam Orchan	Movement and feeding behavior of three raven species in the Judean Desert suggest high extinction risk for the most abundant species
16:05-16:20	Noam Leader	Life is hard: the rekindling the Arabian Oryx (<i>Oryx leucoryx</i>) reintroductions in Israel
14:50-16:20	Biodiversity conservation - Oded Berger	Amado 231
14:50-15:05	Orr Comay	Israeli Butterfly Monitoring Scheme: challenges and lessons from the first BMS on the borders of the desert
15:05-15:20	Tomer Gueta	Introducing the bdiverse: an ensemble of R packages for biodiversity big-data
15:20-15:35	Alon Rothschild	From "landscape improvement" to landscape conservation: Biodiversity loss due to Afforestation of natural landscapes in Israel, calls for a change of policy
15:35-15:50	Roy Talbi	Cattle and Spears: damages of an uninvited guest to the Mediterranean herpetofauna
15:50-16:05	R.G. Bina Perl	Bioclimate correlates with richness of amphibian skin microbiomes at the global scale
16:05-16:20	Tania Bird	The National Red List of the Invertebrates of Israel; challenges, goals and advantages
16:20-16:30	Coffee break & Shifting to plenum panel	
16:30-18:00	Plenum panel - Conservation success, failures and lessons learned from stream restoration in Israel - Dana Tabchnik	Samuel Neaman
	Dr. Amir Erez (Ministry of Environmental Protection)	Stream rehabilitation in Israel – overview & challenges
	Oved Yavin CEO (South Jordan Drainage Authority)	Environment, economics, ecology and agriculture in fish ponds
	Dr. Yaron Hershkovitz (Tel Aviv University)	Restoration of streams in Israel – is it realistic?
	Avi Uzan (Nature and Park Authority)	Ebb and flow - 10 years perspective of stream rehabilitation in a Israel
	Ran Molho (LYGM Environmental Projects)	Leveraging diverse priorities to improve ecological outcomes in stream restoration
18:00-18:30	Closing remarks, student prizes & closing the conference	



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The poster session will take place in the Water Research building

17:15-18:00

Poster session - Assaf Shwartz

Anna Argoetti	Landscape architecture of future nature reserves and conservation management in Israel
Camal Sherf	Preventing the invasion of pests and pathogens into the Israeli wild flora through regulated importation of plant products
Claudia Allegrini	Drivers of community assembly of insectivorous bat communities in pine plantations in Israel
Daniel Killam	Giant clam growth in the Gulf of Aqaba is accelerated compared to fossil populations: The role of nitrate aerosol fertilization
Daniela Zinnsmeister	Arrival time to stopover site, accumulation of fuel and stopover duration during fall migration of juvenile Red backed Shrikes (<i>Lanius collurio</i>) in the Hula Valley, Israel
Dvora Low Ramati	Global warming and the structure of marine fish communities in the eastern Mediterranean
Hadas Gerbi	The physiology of endangered fruit tree species in Israel and their potential for improving orchard drought resistance
Lilly Zecherle	Long-term genetic consequences of a reintroduction - the asiatic wild ass <i>Equus hemionus</i> in Israel
Matan Yuval	Image-based 3-dimensional (3D) modeling for depiction of coral reef community structure
Naama Arkin	Floral diversity, honeybee activity, and pollination network structure
Olga Rybak	The monitoring and conservation of Near Eastern Fire Salamander populations in Haifa
Shlomit Lipschitz & Nirit Lavie alon	A citizen science project - back yard birds count in Israel
Shlomit Lipschitz & Nirit Lavie alon	Back yard birds count in Israel
Tom Zylberberg	Germination analysis of natural and ecologically-restored sites in phosphate mining fields in Zin valley, Israel
Udi Columbus	Establishing a refuge botanical garden for the endangered plant <i>Hormuzakia negevensis</i>
Yuval Itescu	The dead support life: cemeteries and other urban sacred sites have an important conservation role
Yuval Rosenberg	Collective outreach to protect Rehovot vernal pool and its endangered species

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