

**EEBST**  
İZMİR **2018**

# 5<sup>th</sup> Ecology and Evolutionary Biology Symposium Programme

18 - 20 July 2018

**eko<sub>e</sub>evo**  
Ekoloji ve Evrimsel Biyoloji Derneği



**EEBST** 5<sup>th</sup> Ecology and Evolutionary  
Biology Symposium Programme  
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08:00 - 09:15	Registration
09:15 - 09:30	Opening Remarks
09:30 - 10:15	<b>Robert Ptacnik "Relevance of dispersal limitation in aquatic microbial communities"</b>

## Ecology Session

10:15 – 10:30	<b>Bilgenur Baloglu</b> "Next-generation freshwater bioassessment in the 21 st century: Species-level resolution for non-biting midges (Diptera: Chironomidae) and implications for conservation."
10:30 – 10:45	<b>Pınar Ertör Akyazı</b> "Cooperation and institutions: Framed field experiments with small-scale fishing communities."
10:45 – 11:00	<b>Arzu Karahan</b> "Metataxonomics for the Micro-plastic and other Particle Attached Habitats in the Northeastern Mediterranean Sea."
11:00 - 11:30	Tea/Coffee break

## Ecology Session

11:30 - 11:45	<b>Meryem Beklioğlu</b> "Influences of climate and land use on the ecology of Mediterranean shallow lakes: a space-for-time substitution approach."
11:45 - 12:00	<b>Rengin Özgür Uzilday</b> "UV-B stress induced changes in Asada-Halliwell pathway and the glutathione metabolism of a high altitude perennial Arabis alpina in comparion with its relative Arabidopsis thaliana."
12:00 – 12:15	<del><b>Muneeb M. Musthafa</b> "Ecological Niche Preferences of Beetle Communities at Mountain Ecosystem in Fraser's Hill, Malaysia."</del>
12:15 – 12:30	<b>Hakan Sivri</b> "Human-Wildlife Conflict in Kastamonu: Evaluating the Perception of Game Hunters"

12:30 – 13:45	Lunch
13: 45 - 14:45	<b>Collaboration in Ecology and Evolutionary Biology Projects: On Legality of Wildlife trade in Turkey</b>

**Evolutionary Biology Session**

14:45 – 15:00	<b>Selin Küçükavşar</b> "Discovering prokaryotic dynamic in marine environment by using a combination of genetic analysis and numerical ecosystem models."
15:00 - 15:15	<del><b>Murat Telli</b> "Expression and interaction of microRNAs and mRNAs in response to predator kairomone in the water flea, <i>Daphnia magna</i>."</del>
15:15 – 15:30	<del><b>Ved Prakash Kumar</b> "Genetic study of endangered Indian Pangolin (<i>Manis crassicaudata</i>) in Rajaji Tiger Reserve (RTR), Uttarakhand, India: A conservation genetic approach."</del>
15:30 – 16:00	Tea/Coffee break

**Evolutionary Biology Session**

16:00 – 16:15	<b>Sevgi Kaynar</b> "Identification of Fish Species in Eurasian Otter ( <i>Lutra lutra</i> ) Diet Using DNA Metabarcoding of Feecal Samples."
16:15 – 16:30	<b>Malavi Sengupta</b> "Genomic Organization and Standing Structural Variation of the MHC of the Three-spined Stickleback."
16:30 – 16:45	<b>Begüm Uzun</b> "Genetic structure of the bottlenose dolphin ( <i>Tursiops truncatus</i> ) in the Turkish waters based on mtDNA sequences."
16:45 – 17:00	<b>Özgül Yahyaoglu</b> "Radiation via hybridisation: Evolution in <i>Poecilimon bosporicus</i> species group."
17:00 - 18:30	Poster Session



Anastasia A. Osiyeva	Pilot genetic assessment of the eastern most populations of Carpathian endemic Montandon`s newt <i>Lissotriton montandoni</i> within Bibrka-Stilsko Hill ridge (Lviv region,Ukraine)
Sofiko Kurdadze	Rock lizards-Gene flow and hybridization within species of 'caucasica' clade
Elif Göçer	Breeding ecology of the scops owl ( <i>Otus scops</i> ) at the Metu campus (Ankara, Turkey): Preliminary findings.
Reyhan Yaka	New insights into the maternal history of Anatolian and north Mesopotamian populations since the Neolithic
Sibel Küçükyıldırım	The Genome-wide analysis of spontaneous mutations in <i>Acidobacterium capsulatum</i>
Can Elverici	Ecogeographical Variation of Rock Nuthatches
Meriç Halide Boyar	Analysis of spatial and temporal changes at surface area of Homa lagoon (Izmir Bay, Aegean Sea) using remote sensing techniques.
Elif Bozlak	The profile of de novo mutations in horse
Natia Barateli	Genetic and morphological variability in bisexual ( <i>Darevskia portschinskii</i> ) and unisexual ( <i>Darevskia dali</i> ) Caucasian Rock Lizards
Onur Uluar	Phylogenetic Utility of Secondary Structure of ITS2: A Snapshot from Anterastes (Orthoptera, Tettigoniidae)
Emrah Kırdök	Authentication of ancient DNA sequences when there is no reference genome
Merve Nur Aydemir	A new putative transcription termination signal which interact transcription termination factors in Ecdysozoa
Habeş Bilal Aydemir	Identification of differentially expressed sense and antisense transcripts in mitochondrial genes of <i>Syrista pareyyssi</i> (Hymenoptera: Cephidae)
Semiha Demirbaş Çağlayan	The Dilemma of species protection in action

09:30 - 10:15	<b>Virginie Courtier-Orgogozo</b> "The genes underlying species diversity"
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**Evolutionary Biology Session**

10:15 – 10:30	<b>Zahida Sultanova</b> "Natural selection via condition-dependent predation enhances the costs of male ageing on female reproductive success, exacerbating sexual conflict."
10:30 – 10:45	<b>Gökçe Aköz</b> "The mysterious case of a single Aquilegia chromosome."
10:45 – 11:00	<del><b>Bahar Patlar</b> "Seminal fluid mediates sexual conflict over ejaculate fate."</del>
11:00 - 11:15	<b>Ab. Matteen Rafiqi</b> "Developmental mechanism of a major evolutionary transition in ants."
11:15 - 11:45	Tea/Coffee break

**Evolutionary Biology Session**

11:45 – 12:00	<b>Ömer Gökçümen</b> "Amylase copy-number analysis in different mammalian lineages reveals convergent adaptive bursts shaped by diet."
12:00 – 12:15	<b>Recep Özgür Taşkent</b> "Shared polymorphisms reveal additional pulses of Neanderthal introgression."
12:15 – 12:30	<b>N. Ezgi Altınışik</b> "Modelling the origin and expansion of Turkic speakers."
12:30 - 12:45	<b>Anders Götherström</b> "Genome from the Pontic-Caspian steppe, a closer look at the genomics behind the bronze and iron age demography in southern Ural."
12:45 - 14:00	Lunch
14:00 - 15:00	<b>Gender Equality in Science in Turkey</b>

## **Ecology Session**

15:00 - 15:15	<b>Erol Akçay</b> "Coevolution of social phenotypes with the context they evolve in."
15:15 - 15:30	<b>İsmail Bekar</b> "Cross-regional modelling of fire ignitions in Europe."
15:30 - 15:45	<b>Anıl Bahar</b> "Modeling vegetation dynamics in Mediterranean pine forests: Effect of fire frequency and plant abundance."
15:45 - 16:15	<i>Tea/Coffee break</i>

## **Ecology Session**

16:15 – 16:30	<b>Mert Elverici</b> "Drivers of Spider (Arachnida:Araneae) Biodiversity in an 'Olive Grove Ecosystem' in North-Western Anatolia (Çanakkale and Balıkesir, Turkey)."
16:30 - 16:45	<b>Mariam Gabelaia</b> "Use of 3 Dimensional Geometric Morfometrics for Identification of Closely Related Species of Caucasion Rock Lizards (Darevskia)."
16:45 - 17:00	<b>Alper Ertürk</b> "An Evaluation of Live-Capturing Methods for Large Carnivores in Turkey."
17:00 - 17:30	<b>Annual General Assembly of Ecology and Evolutionary Biology Society of Turkey</b>



09:30 - 10:15	<b>Beatriz Vicoso</b> "Evolution of gene dosage on the sex chromosome of schistosome parasites"
<b>Ecology Session</b>	
10:15 – 10:30	<b>Esra Durmaz</b> "A clinal inversion in <i>Drosophila</i> represents a life-history supergene."
10:30 – 10:45	<b>İrem Sepil</b> "Reproductive ageing in male fruit flies."
10:45 – 11:00	<b>Nur Seda Coşkun</b> "Adaptation to seasonal changes: A strong relationship between desiccation tolerance and seasonal cues in <i>Drosophila melanogaster</i> ."
11:00 - 11:30	<i>Tea/Coffee break</i>
<b>Ecology Session</b>	
11:30 – 11:45	<b>Çağlar Akcay</b> "Urban dishonesty in song sparrows?"
11:45 – 12:00	<b>E. Yagmur Erten</b> "Can birds beat cancer?"
12:00 – 12:15	<del><b>Kaan Kerman</b> "The Effect of Social context on measures of boldness: zebra finches (<i>Taeniopygia guttata</i>) are bolder when housed individually."</del>
12:15 - 12:30	<b>Bilgecan Şen</b> "Detecting Density Dependence in North American Landbird Populations."
12:30 - 13:45	<i>Lunch</i>
13:45 - 14:45	<b>Poster Session</b>

**Evolutionary Biology Session**

14: 45 - 15:30	<b>Alexey Yanchukov</b> "Partial Coincidence of Microsatellite Genotypes Suggests a Possible Role of Backcrosses in Diversification of Parthenogenetic Rock Lizards."
14:45 – 15:00	<b>Eren Ada</b> "Identifying patterns of rapid radiation in phylogenomics."
15:00 – 15:15	<del><b>Ankita Rajpoot</b> "Evolutionary relationship and molecular dating of Indian monitor lizards (Varanidae) based on mitochondrial gene."</del>
15:30 - 16:00	Tea/Coffee break

**Evolutionary Biology Session**

16:00 – 16:15	<b>Emel Çakmak</b> "Genetic diversity is retained in a bottlenecked Cinereous vulture population in Turkey."
16:15 – 16:30	<b>Ezgi Özkurt</b> "Domestication-driven metaorganism evolution of wheat."
16:30 – 16:45	<del><b>Ergi Deniz Özsoy</b> "PGRP-LF, a gene involved in Imd immunological pathway in <i>Drosophila melanogaster</i>, is a new candidate for aging."</del>
16:45 – 17:00	<b>Ogün Adebali</b> "Identifying functionally equivalent orthologs in the context of predicting disease-causing mutations."
17:00 - 18:00	<b>Announcement of Student Awards</b>
18:00- 18:30	<b>Final remarks</b>

## Poster Session

Presenting Author	Abstract Title
Cansu Fidan Aksoy	Spatially varying promoter polymorphism in Dca is not related to wing size cline in East European <i>Drosophila melanogaster</i> populations
Banu Sebnem Onder	Adaptation to cold tolerance in <i>Drosophila melanogaster</i> populations along latitudinal gradient in Europe
Eriř Yurtman	Frequency changes of phenotype-associated genetic variants between Neolithic and modern Anatolian populations
Seckin Eroglu	Seed iron distribution show conserved patterns among different plant lineages.
Efe Sezgin	Host Genetic Determinants of Xanthomonadacea abundance in <i>D. melanogaster</i>
Arev Pelin Sümer	Testing for signals of selection near fixed modern human derived sites.
<del>Damla Ayyün</del>	<del>Host Genetics of Microbiota Diversity in <i>D. melanogaster</i></del>
Çağatay Tavşanođlu	BROT 2.0: A functional trait database for Mediterranean Basin plants
Shadman Tariq Sadiq	Hospital Wastewater: a new technologies & optimal methods used for treatment of hospital wastewater before discharge into enviroment
<del>Banu Kaya Özdemirel</del>	<del>Maximum Entropy Approach to Species Distribution Modelling: A case study on Red Deer (<i>Cervus elaphus</i>)</del>
Cansu Cetin	Quantitative genetics of immune fuction in pond snail
Hamit İzgi	Gene Expression Reversals in Mouse Ageing and Its Comparison with Primates

<del>Müjgan Armağan Türközü</del>	<del>Maternal age effect emerges as genotype by environment interaction for larval olfactory learning in <i>Drosophila melanogaster</i></del>
Yetkin İpek	A study of the changes in the forest phenology in Turkey through MODIS satellite data
A. Dilşad Dağtekin	Modeling spatial distribution of oriental beech ( <i>Fagus orientalis</i> ): Past, present, and future.
Sevgi Yorulmaz	An Ancient DNA Investigation on the Çine-Tepecik Archaeological Community: mtDNA Haplogroup Analysis
<del>Mannaı Yaussra</del>	
Batuhan Yaman Yakın	Move Or Not To Move': A Case of Defensive Behaviours of Some Amphibians of Turkey
Ayşegül Er	Species Level Molecular Identification of Bird Species Using Environmental DNA
Runa Kvamme Ekrem	Red-Orange -Red tide algal outbreak study between Konak and Narlidere district in İzmir bay margin of Aegean Sea
<del>Hammami Sonia</del>	<del>Five lepidoptera infesting foliage of oak-kermes (<i>Quercus coccifera</i>) in the North of Tunisia</del>
Pinar Kohlmeier	The traces of adaptive maternal effect in fluctuating temperature environments in fruitflies
Raşit Bilgin	Bioinformatics Processing of Double-Digest RAD-seq data in <i>Myotis capaccinii</i> around the Mediterranean Basin
Tutku Aykanat	Genetic variation in the vgll3 gene is linked to the trophic level of Atlantic salmon at sea
Onur Güntay	Intense Pyrethroid Use in Adult Mosquito Control: Possible Effects on Resistance Development and Environment





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