



ERZURUM TEKNİK ÜNİVERSİTESİ
ERZURUM TECHNICAL UNIVERSITY
2010

**3. ULUSLARARASI
BİYOÇEŞİTLİLİK ARAŞTIRMALARI
SEMPOZYUMU**

**3rd INTERNATIONAL SYMPOSIUM ON
BIODIVERSITY RESEARCH
20-22 Ekim / October 2021**



20.10.2021, WEDNESDAY

OPENING CEREMONY HALL 1

[\(CLICK TO ATTEND HALL 1\)](#)

Opening Program

11:00 – 11.30

Opening Ceremony (Opening Speeches)

Prof. Dr. Bülent ÇAKMAK, Honorary Chair (Rector of Erzurum Technical University)

Prof. Dr. Sedat MURAT, Honorary Chair (Rector of Canakkale Onsekiz Mart University)

Prof. Dr. Ümit İNCEKARA, Symposium Chair (Dean of Science Faculty, Erzurum Technical University)

20.10.2021, WEDNESDAY

Keynote: Material Transfer from Nature to Technology

Dr. Murat Kaya – TURKEY

[CLICK TO ATTEND KEYNOTE HALL 1](#)

13:00

HALL 1 CLICK TO ATTEND		HALL 2 CLICK TO ATTEND		HALL 3 CLICK TO ATTEND	
Session 1: Diversity of Animal species, Systematics and Phylogeny-1		Session 1: Microbial Biodiversity-1		Session 1: Diversity of Plant species, Systematics and Phylogeny-1	
Session Chair: Dr. Nurhayat Özdemir		Session Chair: Dr. Arzu Ala Görmez		Session Chair: Dr. Sezai Ercişli	
13:45	Contribution to the Knowledge of Heteroptera (Hemiptera) Fauna of Eastern Turkey Neslihan Gültekin, Melek Güdek Güçlü, Dilek Doğan*, Mustafa Güllü, Celalettin Gözüaçık	13:45	Arbuscular Mycorrhizal (AMF) and Disease-Causing Fungus Species Isolated from Dried Tea Seedlings in a Tea Garden Şengül Alpay Karaoğlu*, Fatih Seyis	13:45	Biodiversity of Sedum L. in Ankara (Turkey) Akin Aras*, Duygu Mermer Doğu, Kamber Erat
14:00	Thrips (Thysanoptera) Species and Distribution Areas in Northern Cyprus Cereal Fields Mustafa Güllü* Celalettin Gözüaçık	14:00	Diagnosis of the factors causing the drying of Camellia sinensis seedlings, isolation of the factors and pathogenicity determination by leaf pathogenicity test Şengül Alpay Karaoğlu	14:00	Foliar Epidermis Trait As a Tool For Identification of Medicinal Species of Rosales and Lamiales from Margalla Hills, Pakistan Muhammad Zafar, Mushtaq Ahmad, Ömer Kılıç*, Maryam Javed, Shazia Sultana
14:15	Variable detection and comparison of supervised machine learning algorithms in classification of two closely related Bufo species Cantekin Dursun*, Serkan Gül, Nurhayat Özdemir	14:15	Identification and characterization of bacteria isolated from apricot trees in the province of Erzurum, Turkey Damla Rüzgar*, Arzu Görmez	14:15	Genetic Diversity and Structure of Pea (Pisum sativum L.) Genotypes for Marker-Trait Association of DNA İsmail Bezirganoğlu*, Büşra Yazıcılar, Merve Şimşek, Doğan İlhan
14:30	Aphidofagous Syrphids (Diptera: Syrphidae) from Çardak Lagoon in the Çanakkale Province of the Northwestern Part of Turkey Şahin Kök	14:30	Isolation and molecular characterization of bacteria from intestinal flora of some Beetles (Coleoptera: Dytiscidae) Ayşenur Yazıcı, Ahmet Polat, Muhammet Çorapçı, Serkan Ortucu*, Mesut Taşkın, Umit Incekara	14:30	Investigation of the Important Bee Plants of Uluyayla Plateau (Ulus-Bartın) Bilge Tunçkol

Keynote: Biodiversity Studies in Turkey

15:00

Hasan Kanca – TURKEY

[CLICK TO ATTEND KEYNOTE HALL 1](#)

HALL 1 CLICK TO ATTEND		HALL 2 CLICK TO ATTEND		HALL 3 CLICK TO ATTEND	
Session 2 : Environmental Toxicology-1 & Microbial Biodiversity-2		Session 2 : Environmental Stress on Biodiversity		Session 2 : Diversity of Plant species, Systematics and Phylogeny-2	
Session Chair: Dr. Ömer Faruk Karataş		Session Chair: Dr. Enes Arslan		Session Chair: Dr. İsmail Bezirganoğlu	
15:45	New triazole derivatives as antifungal agents: 3D-QSAR and molecular docking studies Soukaina Bouamrane, Ayoub Khaldan1, Halima Hajji, Abdelouahid, Hamid Maghat*, Mohammed Aziz Ajana, Mohammed Bouachrine and Tahar Lakhlifi	15:45	Cold-adapted Cellulase Producer Vishniacozyma species from Palandöken Mountain Mehmet Karadayı*, Şeyma Aksu	15:45	Preliminary Data for Plant Biodiversity of the Polog Region of North Macedonia Jusra Reçani*, Ebru Ataşlar
16:00	The Effect of Fertilizer Applications on Phenolic Compound Content in Nigella damascena Seeds Funda Ulusu*, Ali Şahin	16:00	Effect of Salt Stress on Respiratory Intensity And Reduction Activity In Hard and Soft Wheat Genotypes Vilayet Abdiyev*, Sevinj Ismayilova, Nigar Aliyeva, Boyukkhanim Jafarzadeh	16:00	Evaluation of Genetic Diversity of Eleven Medicago sativa Varieties Cultivated in Turkey by Using Start Codon Targeted Polymorphism Büşra Albayrak*, İsmail Bezirganoğlu
16:15	Cytotoxic activity of Nigella damascena seed extracts Funda Ulusu*, Ali Şahin	16:15	Effects of Exogenous Salicylic Acid and Strigolactone applications on Antioxidant Activity in Tomato Seedlings Under Short-Term Drought Stress Gamze Baltacıer*, Sevgi Donat, Okan Acar	16:15	A Systematic Study on Crocus gargaricus Herb. Complex Ceyda Yazıcı*, Almila Çiftçi, Osman Erol
16:30	Nano-Encapsulation and Biosynthesis of Metal Nanoparticles by Green Synthesis Ilke Karakaş*, Furkan Öztürk, Nurcihan Hacıoğlu Doğru	16:30	The Change of Photosynthetic Pigments of Liquidambar orientalis in Summer Period Fahrettin Atar, Ali Bayraktar*	16:30	Plant Species Diversity, Composition and Vegetation Cover of The Ugtam Nature Reserve, Mongolia Bayanmunkh Tumurkhuu*, Enkhtuvshin Dechinperlii, Uyanga Ariya,, Tuguldur Enkhtsetseg
16:45	Antimicrobial Activity of Silver Nanoparticles Biosynthesized By Olive Leaves Özge Ceylan*, Nurcihan Hacıoğlu Doğru	16:45	Changes in Plant Water Potential and Stomatal Conductance Due to Water Stress in Quercus infectoria Esra Bayar*, Nevzat Gürlevik, Ayşe Deligöz	16:45	Tepal Morphology of Persicaria s.str. (Polygonaceae) Taxa in Turkey Suzan Kundakçı*, Serdar Makbul, Mutlu Gültepe , Kamil Coşkunçelebi

21.10.2021, THURSDAY

10:00

Keynote: Palmyraculture: The Role of Palmyra palm in Biodiversity/Sustainable Development

Dr. P. Mosae Selvakumar – BANGLADESH

[CLICK TO ATTEND KEYNOTE HALL 1](#)

HALL 1 CLICK TO ATTEND		HALL 2 CLICK TO ATTEND		HALL 3 CLICK TO ATTEND	
Session 3: Diversity of Animal/Plant Species, Systematics and Phylogeny-2		Session 3 : Diversity of Plant species, Systematics and Phylogeny-3		Session 3 : Biodiversity, Landscape, Tourism-1, Environmental Toxicology-2	
Session Chair: Dr. Salih Doğan		Session Chair: Dr. Ertan Yıldırım		Session Chair: Dr. Ayşenur Yazıcı	
10:45	An Annotated and Updated Checklist of Turkish Sarcophaga (Liosarcophaga) Enderlein, 1928 with the Comparisons of Male Terminalia Gamze Pekbey	10:45	Morphological Characteristics of The Genus Lappula Moench. (Boraginaceae Juss.) In Mongolia Munkhzul Tungalag	10:45	Monitoring the Dynamics of the Area of Lake Azegza (Middle Atlas-Morocco) in the Context of Climate Change Using the Techniques of Space Remote Sensing. Amal Raillani*, Lahsen Chillasse, Mhamed Khaffou
11:00	The Cheyletid Mites (Acariformes: Cheyletidae) of Kelkit Valley (Turkey) Burcu Kabasakal*, Salih Doğan	11:00	Horticulture Genetic Resources in Yozgat Province (Turkey) Aysen Koç*, Gülden Balcı, Emine Sema Çetin, Hakan Keles, Tuğba Kılıç, Selda Daler	11:00	Crop Raiding by Wildlife of the neighbouring conservation area on subsistence homesteads in Northern KwaZulu-Natal Province, South Africa Tlou Raphela*, Pillay Neville
11:15	Investigation of Wintering Waterbirds Diversity in Different Wetlands Around the Dardanelles (2021 IWC) İbrahim Uysal*, İbrahim Uysal	11:15	Some Morphological Traits of Selected Hawthorn (Crataegus Spp.) Genetic Resources from Coruh Valley Halil İbrahim Sağbaşı*, Sezai Ercişli	11:15	Determination of the acute effects of olive mill wastewater on Potamopyrgus antipodarum, Melanopsis buccinoidea ve Theodoxus sp. (Gastropoda: Tetaidae: Melanopsidae: Neritidae) Deniz Anıl Odabaşı*, Aytuğ Zilifli, Sevdan Yılmaz
11:30	Phylogenetic Analysis of Heracleum L. (Apiaceae) Taxa in Turkey Based on nrDNA ITS and cpDNA trnL Intron and trnL-F DNA Sequences Leyla Gürlük, Mustafa Çelik, Özlem Çetin*	11:30	Comparison of ATR-FTIR Spectra on Two Endemic Species of Asperula L. (Rubiaceae) Growing at the Same Substrate in Turkey Ayşenur Kayabaşı*, Ertan Yıldırım	11:30	In Vivo Biotoxic Effects of Synacryl Black Xfdl Textile Dye on Larval Viability And Lifespan in Drosophila melanogaster Oregon-R Emine Öztürk*, Handan Uysal

Keynote: Diversity and Uniformity in Vertebrate Reproduction

13:00

Dr. Shai Meiri – ISRAEL

[CLICK TO ATTEND KEYNOTE HALL 1](#)

HALL 1 CLICK TO ATTEND		HALL 2 CLICK TO ATTEND		HALL 3 CLICK TO ATTEND	
Session 4 : Diversity of Animal species, Systematics and Phylogeny-3		Session 4 : Aquatic (Marine and Freshwater) Biodiversity-1		Session 4 : Conservation Biology, Policy And Strategies & Protected	
Session Chair: Dr. Sevgi Sevsay		Session Chair: Yunus Esen		Session Chair: Dr. F. Necmiye Kacı	
13:45	New Mite Records (Acari: Erythraeoidea) from Turkey İbrahim Karakurt*, Sevgi Sevsay	13:45	Contribution to the Water Mite Fauna of Bingöl Province, Turkey (Acari, Hydrachnidia) Yunus Esen	13:45	Sustainable Use of Plant Biodiversity for Food, Health and Energy Security In Pakistan Mustaqh Ahmad*, Muhammad Zafar, Shazia Sultana, Ömer Kılıç
14:00	Determination of The Chromosome Number of The Trombidium holosericeum for The First Time Rümeysa Karağaç*, Halil Erhan Eroğlu, Evren Buğa, Sevgi Sevsay	14:00	Comparison of Distribution Altitudes of Some Helophoridae, Hydrochidae and Hydrophilidae Species in Turkey Serhat Özcan1*, Numan Yıldız, Ahmet Polat, Ümit İncekara	14:00	Development of Microplastic Pollution Awareness Scale for Prospective Tuğçe Güleşir*, Ali Gül
14:15	Parasitism Relationship of Trombidioidea Mites with Spiders Evren Buğa*, Sevgi Sevsay	14:15	Changes in the Blood Cells of the Pelophylax ridibundus (Pallas, 1771) (Amphibia: Ranidae) Living in Different Streams in the Çanakkale Begüm Boran*, Çiğdem Gül	14:15	Ex-Situ Conservation Sterrgies for Antrodia cinnamomea: An Endemic Medicinal Mushroom in Taiwan K.J. Senthil Kumar
14:30	New Locality Records of Trombidoid Mites (Acari: Prostigmata) in Sansa George Evren Buğa*, Sevgi Sevsay	14:30	Isolation And Molecular Characterization of Bacteria From Some Aquatic Beetles (Coleoptera: Hydrophilidae) Ahmet Polat, Ayşenur Yazıcı, A. Muhammet Corapçı, Serkan Ortucu*, Mesut Taşkın, Ümit İncekara	14:30	

Keynote: The Importance of Biodiversity in Plant Breeding

14:40

Dr. Sezai Ercişli – TURKEY

[CLICK TO ATTEND KEYNOTE HALL 1](#)

HALL 1 CLICK TO ATTEND		HALL 2 CLICK TO ATTEND		HALL 3 CLICK TO ATTEND	
Session 5 : Effects of Biodiversity to Human Health-1		Session 5 : Population Ecology			

Session Chair: Dr. Songül Karakaya		Session Chair: Dr. Erol Yıldırım			
15:15	Antioxidant Capacity and Phenolic Composition of <i>Gagea chanae</i> Grossh. and <i>Scilla siberica</i> Haw. Bilge Aydın*, Enes Tekman, Hafize Yuca, Songül Karakaya, Zühal Güvenalp	15:15	Bioactivity of Essential Oil of <i>Artemisia Herba Alba</i> and Its Effects on <i>Culex Pipiens</i> (Diptera; Culicidae) Salma Kaoutar Abdelali*, Karim Souttou, Linda Aissaoui		
15:30	In vitro Evaluation of Antidiabetic Activity of <i>Colchicum speciosum</i> Different Parts and Their Anatomical Properties Hafize Yuca	15:30	Bruchinae Latreille 1802 Species Detected on Edible Grain Legumes and Forage Crops in Southeastern Anatolia Region Melek Güdek Güçlü*, Celalettin Güzüaçık, Neslihan Gültekin, Klaus-Werner Anton		
15:45	α -Glucosidase and α -Amylase Inhibitory Potential of <i>Paliurus spinachristi</i> Mill. and Its Main Compounds Hafize Yuca*, Hilal Özbek, L. Ömür Demirezer, Zühal Güvenalp	15:45	Changes in Carbon Concentration of Tree Components for Calabrian Pine Forests in the Western Black Sea Region of Turkey Şükrü Teoman Güner		
16:00	In Vitro Assessment of Hemostatic Performances of <i>Salvia verticillata</i> , <i>Achillea biebersteinii</i> , <i>Tragopogon aureus</i> , and <i>Cephalaria procera</i> Songul Karakaya*, Ozlem Ozdemir Tozlu, Umit Incekara, Hasan Turkez, Ozkan Aksakal	16:00	Useful plants of mountain xerophytic communities of the Lesser Caucasus (within Azerbaijan) Cabbarov M.T*, Nebiyeva F.X., İbrahimov Ə.Ş. , Atamov V.V		
16:15	Antimicrobial Activity of Different Parts of <i>Gagea chanae</i> Grossh. and <i>Scilla siberica</i> Haw. Enes Tekman*, Songül Karakaya, Gamze Goger	16:15	The Usage of Sage (<i>Salvia</i> sp.) Taxa as Traditional Folk Medicine Ahmet Efe*, Derya Karakoyun, Çağla Güvenç Biçer, Dudu Özlem Mavi İdman		

22.10.2020,
FRIDAY

POSTER PRESENTATIONS

10:00

Session 6: Diversity of Animal species, Systematics and Phylogeny; Population Ecology; Biodiversity, Landscape, Tourism

Session 6: Diversity of Plant species, Systematics and Phylogeny; Environmental Toxicology & Microbial Biodiversity

Session Chair: -

Session Chair: -

<p>Biodiversity of fresh water Macro Invertebrates From of The Aurès Region, North-Est Algeria Meriem Tafarghoust *, Wissem Hezil, Boudjéma Samraoui, Farrah Samraoui</p> <p>CLICK TO ATTEND – Poster 1</p>	<p>Leaf Geometric morphometrics among a natural population of Norway maple (<i>Acer platanoides</i> L.) in Northern Algeria Rida Mohammed Mediouni*, Sarra Said, Faiza Ilias, Gaouar Semir Bechir Suheil</p> <p>CLICK TO ATTEND – Poster 15</p>
<p>Extensive Road Mortality of <i>Bufo bufo</i> (Linnaeus 1758) in Ikizdere, Rize Cantekin Dursun*, Serkan Gül, Nurhayat Özdemir</p> <p>CLICK TO ATTEND – Poster 2</p>	<p>Diversite Vegetale De La Cedraie De Belezma -BATNA- Neffar Fahima</p> <p>CLICK TO ATTEND – Poster 16</p>
<p>Contribution to the Study of Diversity of Insecta Diptera in Skikda Region Northeast Algeria Hayat Boucenna, Farah Samraoui, Boudjema Samraoui</p> <p>CLICK TO ATTEND – Poster 3</p>	<p>10:00-12:00 Bio-Ecological & Demo-Ecological Approach of Avifauna At Sector Level'Hamla (Djebel tuggurt) & Fesdis (Kasrou) of The National Park Of Belezma -BATNA Neffar Fahima</p> <p>CLICK TO ATTEND – Poster 17</p>
<p>New Record of biting midge (Diptera: Ceratopogonidae) for Sinop (Turkey): <i>Leptoconops bidentatus</i> Gutsevich, 1960 Fethi Turgut</p> <p>CLICK TO ATTEND – Poster 4</p>	<p>Study of Edaphic Biodiversity Under <i>Allium sativum</i> L Culture Ecosystem in The Semi-Arid Region of Batna in Algeria Nadra Ghanem*, Djihane Zekri, Bouthaina Mokhtari</p> <p>CLICK TO ATTEND – Poster 18</p>
<p>The first record of <i>Atrichopogon infuscus</i> Goetghebuer, 1929 (Diptera: Ceratopogonidae) in Sinop (Turkey) Fethi Turgut</p> <p>CLICK TO ATTEND – Poster 5</p>	<p>Study of Edaphic Biodiversity Under <i>Olea europea</i>. L Arbori-cultural Ecosystem in The Semi-Arid Region of Batna in Algeria Nadra Ghanem*, Djihane Zekri, Amel Kherbache, Amina Medjoudj</p> <p>CLICK TO ATTEND – Poster 19</p>
<p>Morphological Investigation of Some Populations of <i>Podarcis muralis</i> (Laurenti, 1768) (Squamata: Lacertidae) in The Anatolian and Thrace Regions Melis Karakoç*, Murat Tosunoğlu</p> <p>CLICK TO ATTEND – Poster 6</p>	<p>Some New Alien Plant Species and Their Invasive Potential in the Flora of Adjara (Georgia) Mikeladze Irakli*, Bolkvadze Gia, Davitadze Murman</p> <p>CLICK TO ATTEND – Poster 20</p>

Mapping of *Testudo graeca* Linnaeus, 1758 (Reptilia: Testudinidae) Living in Bozcaada According to Habitat Preferences
Ceren Nur ÖZGÜL*, Çiğdem GÜL

[CLICK TO ATTEND – Poster 7](#)

Color- Pattern Analysis of *Hemidactylus turcicus* (Linnaeus 1758) (Sauria: Lacertilia: Gekkonidae) Populations Distributed in Çanakkale
Didem Kurtul*, Çiğdem Gül

[CLICK TO ATTEND – Poster 8](#)

Distribution of Breeding Anatidae Family in Çanakkale Province
Ibrahim Uysal*, Ibrahim Uysal

[CLICK TO ATTEND – Poster 9](#)

Çanakkale / Çan Karadağ Dağı Kuşları
Kübra Doğan*, Abdullah Hasbenli

[CLICK TO ATTEND – Poster 10](#)

Çanakkale / Çan Karadağ Bazı Endemik ve Nadir Bitkileri
Meryem Günay*, Hayri Duman

[CLICK TO ATTEND – Poster 11](#)

Researches on Bio-Ecology of Small Dove (*Spilopelia senegalensis* L.) Population in Çanakkale City Center
Sinan Marangoz, Murat Tosunoğlu

[CLICK TO ATTEND – Poster 12](#)

Effects of Tourism Activities on Rock Nuthatch (*Sitta neumayer*) Population in Nevşehir
Bilge Yeni*, Ahmet Karataş

[CLICK TO ATTEND – Poster 13](#)

The Influence of Sluices on Zooplankton Diversity in Canal – Case Study
Nikola Kolarova*, Paweł Napiórkowski

[CLICK TO ATTEND – Poster 14](#)

SYMPOSIUM EVALUATION

[CLICK TO ATTEND HALL 1](#)

11:00-
12:00

Study on Micropropagation of *Paeonia mascula* subsp. *Bodurii*
Ebru Cambaz*, Nurşen Çördük, Bahar Kökçü, Ersin Karabacak

[CLICK TO ATTEND – Poster 21](#)

Study of the Pathogenicity of *Fusarium* spp. Isolates on the Basal Part of Some Varieties of Durum Wheat (*Triticum durum*) in Algeria.
Imene Belabed*, Hadjer Bourdim, Ikbel Sebaat, Ines Zerguine, Noureddine Rouag

[CLICK TO ATTEND – Poster 22](#)

Screening for Indole Acetic Acid Production in Halophilic and Halotolerant Gram-Positive Bacteria
Sabrina Behairi*, Nassima Baha, Wafa Achouak, Thierry Heulin, Yahia Kaci

[CLICK TO ATTEND – Poster 23](#)

Investigation of the Interaction of Smoke Tree (*Cotinus coggygia* Scop.) Leaf Extracts with Plasmid DNA by Agarose Gel Electrophoresis Method
Büşra Dalgıç*, Neslihan Demir

[CLICK TO ATTEND – Poster 24](#)

Determination of the acute effects of olive mill wastewater on *Gammarus komareki* Schäferna, 1923 (Amphipoda: Gammaridae)
Deniz Anıl Odabaşı, Aytuğ Zilifli, Sevdan Yılmaz

[CLICK TO ATTEND – Poster 25](#)

Greater Inter-Individual than Inter-Population Variability of *Calendula suffruticosa* subsp. *algarbiensis* Hexane Extract
Silvana Ohse, Mariza B. Marques, Joaquim J. F. Neto, Paulo C. Silveira*, Diana C.G.A. Pinto

[CLICK TO ATTEND – Poster 26](#)

Use of Rhizobacteria as Salt Stress Protectors in Durum Wheat Plants
Bekkaye M*., Behairi S., Baha N Karaali K., Issad S., Kaci Y.

[CLICK TO ATTEND – Poster 27](#)

Palmyraculture: The Role of Palmyra as potential life support for Plant species diversity
Christine Thevamirtha*, Sherin Monichan , Paulraj Mosae Selvakumar

[CLICK TO ATTEND – Poster 28](#)

Useful plants of mountain xerophytic communities of the Lesser Caucasus (within Azerbaijan)
Cabbarov M.T*., Nebiyeva F.X., Ibrahimov A.S.², Atamov V.V.

[CLICK TO ATTEND – Poster 29](#)