



**Rize
2020**

2nd INTERNATIONAL SYMPOSIUM ON BIODIVERSITY RESEARCH

www.isbr2020.erdogan.edu.tr



18.11.2020, WEDNESDAY

OPENING CEREMONY HALL 1 - 2

[CLICK TO ATTEND HALL 1 \(max 100 participants\)](#), [CLICK TO ATTEND HALL 2 \(max 100 participants\)](#)

Opening Program

| | |
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| 10:30 – 11.00 | Opening Ceremony (Presentation of Rize and RTEU, Opening Speeches) |
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18.11.2020, WEDNESDAY

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| 13:00 | <p>Keynote_ Western Caucasus refugial areas, based on the multiple evidence, and its importance for the modern biodiversity of the Caucasus and the Southern and the Eastern Black Sea area</p> <p>David Tarkhnishvili – GEORGIA</p> <p style="background-color: yellow; text-align: center;">CLICK TO ATTEND KEYNOTE HALL 1 (max 100 participants), CLICK TO ATTEND KEYNOTE HALL 2 (max 100 participants)</p> |
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| 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 : Biodiversity, Landscape, Tourism-1 | Session 1 : Diversity of Plant species, Systematics and Phylogeny-1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Session Chair: Tuğba Ergül Kalaycı | Session Chair: Gökhan Aydın | Session Chair: Pelin Acar | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center; vertical-align: middle;">13:45</td> <td>Testing and Utility of Microsatellite loci in <i>Hyla orientalis</i> T.Ergül Kalaycı, N. Özdemir</td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">14:00</td> <td>Mitochondrial D-loop Heteroplasmy in Anatolian Domestic Pigeon Breeds B. Biray, Ç. Akın Pekşen, C. C. Bilgin</td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">14:15</td> <td>Geometric Morphometric Analysis of Dorsal Head Shape Variation in Anatolian <i>Bufo</i> Toads C. Dursun, N. Özdemir, S. Gül, N. Üzüm, Bilal Kutrup</td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">14:30</td> <td>Range Extension of <i>Squalius fellowesii</i> (Günther, 1868) in the Southern Anatolia (Teleostei: Leuciscidae) E. Bayçelebi, D. Turan</td> </tr> </table> | 13:45 | Testing and Utility of Microsatellite loci in <i>Hyla orientalis</i> T.Ergül Kalaycı , N. Özdemir | 14:00 | Mitochondrial D-loop Heteroplasmy in Anatolian Domestic Pigeon Breeds B. Biray , Ç. Akın Pekşen, C. C. Bilgin | 14:15 | Geometric Morphometric Analysis of Dorsal Head Shape Variation in Anatolian <i>Bufo</i> Toads C. Dursun , N. Özdemir, S. Gül, N. Üzüm, Bilal Kutrup | 14:30 | Range Extension of <i>Squalius fellowesii</i> (Günther, 1868) in the Southern Anatolia (Teleostei: Leuciscidae) E. Bayçelebi , D. Turan | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center; vertical-align: middle;">13:45</td> <td>Perceptions of Facebook Users on The Reinstatement of Consumptive Tourism in Botswana W. L. Hambira</td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">14:00</td> <td>Determination of the Recreational Potential of Erzurum Palandöken Urban Forest by the Gülez Method İ. Sezen, N. S. İspirli</td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">14:15</td> <td>Classification of Perennial Plants and Utilization Possibilities in Landscape Architecture D. Dinçer, F. Bekiryazıcı, H. Dündar</td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">14:30</td> <td>Investigation of Recep Tayyip Erdogan University Main Campus Green Areas in Terms of Ecosystem Services F. Bekiryazıcı, D. Dinçer, H. Dündar</td> </tr> </table> | 13:45 | Perceptions of Facebook Users on The Reinstatement of Consumptive Tourism in Botswana W. L. Hambira | 14:00 | Determination of the Recreational Potential of Erzurum Palandöken Urban Forest by the Gülez Method İ. Sezen , N. S. İspirli | 14:15 | Classification of Perennial Plants and Utilization Possibilities in Landscape Architecture D. Dinçer, F. Bekiryazıcı , H. Dündar | 14:30 | Investigation of Recep Tayyip Erdogan University Main Campus Green Areas in Terms of Ecosystem Services F. Bekiryazıcı , D. Dinçer, H. Dündar | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center; vertical-align: middle;">13:45</td> <td>Genome wide analysis and characterization of <i>Phaseolus vulgaris</i> GPAT gene family under different abiotic stress conditions A. G. Kasapoğlu, S. Muslu, A. S. Aygören, E. Güneş, M. Aydın, E. İlhan</td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">14:00</td> <td>Determination of Genetic Diversity of <i>Liquidambar orientalis</i> Mill. var <i>integriloba</i> Fiori Populations in Muğla Province Using ISSR Markers Ö. Yüzer, A. Tonguç, E. Doğaç</td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">14:15</td> <td>Molecular Biodiversity of <i>Salix alba</i> L. and <i>Salix excelsa</i> J.F. Gmelin Populations in Turkey P. Acar, F. Ö. Değirmenci, Z. Kaya</td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">14:30</td> <td>Taxonomical Notes on <i>Paronychia kurdica</i> Boiss. Complex Based on nrDNA ITS in Turkey Z. Türker, K. Coşkunçelebi, Ü. Budak</td> </tr> </table> | 13:45 | Genome wide analysis and characterization of <i>Phaseolus vulgaris</i> GPAT gene family under different abiotic stress conditions A. G. Kasapoğlu , S. Muslu, A. S. Aygören, E. Güneş, M. Aydın, E. İlhan | 14:00 | Determination of Genetic Diversity of <i>Liquidambar orientalis</i> Mill. var <i>integriloba</i> Fiori Populations in Muğla Province Using ISSR Markers Ö. Yüzer , A. Tonguç, E. Doğaç | 14:15 | Molecular Biodiversity of <i>Salix alba</i> L. and <i>Salix excelsa</i> J.F. Gmelin Populations in Turkey P. Acar , F. Ö. Değirmenci, Z. Kaya | 14:30 | Taxonomical Notes on <i>Paronychia kurdica</i> Boiss. Complex Based on nrDNA ITS in Turkey Z. Türker , K. Coşkunçelebi, Ü. Budak |
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| 15:00 | <p>Keynote_ Applying Innovative Approaches of Biodiversity and Ecosystem Studies in Azerbaijan: Achievements and Challenges</p> <p>Rashad Salimov – AZERBAIJAN</p> | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--|---|---|---|--|--|
| Session 2 : Environmental Toxicology-1 & Microbial Biodiversity-1 | | Session 2 : Environmental Stress on Biodiversity | | Session 2 : Diversity of Plant species, Systematics and Phylogeny-2 | |
| Session Chair: Şule Güzel İzmirli | | Session Chair: Rena Hüseyinoğlu | | Session Chair: Meryem Bozkurt | |
| 15:45 | Assessment Of River Water Quality Using Biotic Index (IBMWP): study case -Tiferguine Stream In The Moroccan High Atlas <u>H. Rassam</u> , H. Benaissa, N. Fetnassi, S. Moutaouakil, M. Ghamizi | 15:45 | Determination of Astrobiological Compatibility of Plants with Different Photosynthesis Metabolisms: UV Radiation, Salt and Boron Tolerance <u>G. Bilgenoğlu</u> , G. Işık | 15:45 | Phylogenetic and Phenotypic Studies of <i>Coffea</i> and <i>Psilanthus</i> Genus <u>E. N. Raharimalala</u> , P. Hamon, S. Sabatier, J. J. Rakotomalala, D. Crouzillat, R. Guyot |
| 16:00 | Accumulation of Heavy Metals in Olive Grown Under Different Soils H. Kayan, A. Bilgin, <u>Ş. Güzel İzmirli</u> | 16:00 | Effects of Culture Media and Culture Conditions on Seed Germination of <i>Physalis minima</i> L. M. Cüce | 16:00 | Analysis Of Morphological, Micromorphological And Molecular Systematic Properties Of <i>Rubus</i> L. (Rosaceae) Species In Rize Province <u>F. Kuyumcu</u> , V. Atamov, F. Ş. Beriş |
| 16:15 | The influence of salicylic acid on the absorption of oxygen in the wheat sprout roots <u>V.B. Abdiyev.</u> , S.M. Ismayilova, B.A. Jafarzadeh, Y.T. Aghammadova, N.F. Aliyeva | 16:15 | Genome Wide Analysis of Glutathione S-Transferase Gene Family in <i>Phaseolus vulgaris</i> under Drought and Salinity Stress <u>S. Muslu</u> , A.G. Kasapoğlu, E. Güneş, A. S. Aygören, M. Aydın, E. İlhan | 16:15 | Importance of Using Multisampling for Plant Molecular Phylogenetic Studies: A Case Study on <i>Nonea bakuensis</i> (Boraginaceae) Endemic to Azerbaijan M. E. Güzel |
| 16:30 | Orchid Originated from Root B. popilliae 508 Isolate's Bioremedant Properties and Effect of Zea Mays Germination on Copper Being <u>Ü. Z. Üreyen Esertaş</u> , E. Uzunalioğlu, Ş. Alpay Karaoğlu | 16:30 | Comparative Effects Of Melatonin On Callus Formation And Proliferation Via Leaf Explants In Alfalfa (<i>Medicago sativa</i> L.) <u>M. Şimşek</u> , B. Yazıcılar, B. N. Akgul, İ. Bezirganoglu | 16:30 | The globulin and leaf protein profiles of <i>Medicago sativa</i> for the determination of protein content among varieties in Turkey <u>B. Albayrak</u> , İ. Bezirganoğlu |
| 16:45 | Determination of Physico-Chemical Water Quality Values of Pazar Stream <u>T. Mutlu</u> , B. Verep | 16:45 | | 16:45 | The Achene Surface Morphology and Karyomorphology of Two Populations belonging to <i>Psephellus simplicicaulis</i> (Asteraceae) K. Ertuğrul, T. Uysal, <u>M. Bozkurt</u> |

19.11.2020 THURSDAY

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| 10:00 | Keynote_ Relationship between shape, function and phylogeny in armadillos Soledad De Esteban-Trivigno - SPAIN <u>CLICK TO ATTEND KEYNOTE HALL 1 (max 100 participants), CLICK TO ATTEND KEYNOTE HALL 2 (max 100 participants)</u> | | | | | |
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| Session 3: Diversity of Animal species, Systematics and Phylogeny-2 | | Session 3 : Diversity of Plant species, Systematics and Phylogeny-3 | | Session 3 : Microbial Biodiversity-2 | | |
| Session Chair: Kamil Candan | | Session Chair: Seher Güven | | Session Chair: Zeynep Bayramoğlu | | |
| 10:45 | Preliminary Indications of the Determined Aphid Species on <i>Populus spp.</i> from Karaman, Muğla and Antalya Provinces of Turkey <u>G. Görür</u> , Ö. Şenol, H. Akyıldırım Beğen, G. Başer | 10:45 | Pollen Morphology of Some Apocynaceae Genera from Turkey <u>S. Güven</u> , S. Makbul, K. Coşkunçelebi | 10:45 | Isolation and identificaton of Thermophilic Actinomycetes and investigation of their effect in composting S. G. Ertekin, A. Kumaş, L. Değirmenci, <u>F. Özdemir Koçak</u> | |
| 11:00 | Cranial Osteology on <i>Heremites auratus</i> and <i>Heremites vittatus</i> (Lacertilia: Scincidae) species <u>G. Özcan Kavak</u> , M. Tosunoğlu | 11:00 | A palynomorphological and anatomical study about <i>Frankenia</i> (Frankeniaceae) genus in Turkey B. Yılmaz Çitak | 11:00 | Detection of Phage and Plasmid Biodiversity of <i>Lactobacillus pentosus</i> strains through CRISPR/Cas Systems Spacer Analyses Ö. Kahraman İlkkan | |
| 11:15 | Efficiency of DNA Barcoding in the Identification of Endemic Salmo Species from Turkey <u>I. Aksu</u> , Y. Bektas, C. Kaya, E. Baycelebi, D. Turan | 11:15 | Distribution, Ecology and Anatomy of <i>Groenlandia densa</i> in Turkey <u>N. Bayındır</u> , N. İkinci | 11:15 | Microbial Diversity In Biofilm on Water Distribution Pipes in the City Of Bechar – Algeria <u>H. Zineb</u> , S. Kheira | |
| 11:30 | Field-Sampling Based Inventories of Invertebrates (Arthropoda and Mollusca) from Caves in West Black Sea Region of Turkey <u>M. Elverici</u> , K. B. Kunt , B. A. Gümüş, D. Stojanović, D. Antić , E. C. Fidan, K. Kurt , M. E. Bulut, M. S. Taylan, O. Hekimoğlu , S. Anlaş, H. U. Demiriz, E. Kulaksızoğlu, E. Çankaya | 11:30 | Floral Morphology of Section <i>Persicaria</i> (<i>Polygonum</i> - Polygonaceae) in Turkey <u>S. Kundakçı</u> , S. Makbul, M. Gültepe, K. Coşkunçelebi | 11:30 | Isolation and Molecular Characterization of Nitrogen-Fixing <i>Azotobacter spp.</i> from Wheat Rhizosphere <u>S. Çam</u> , S. Bicek | |

Keynote_ The Contribution of Italian Research to Biodiversity Assessment and Conservation in Anatolia and Adjacent Areas

Pierangelo Crucitti – ITALY

13:00

[CLICK TO ATTEND KEYNOTE HALL 1 \(max 100 participants\)](#), [CLICK TO ATTEND KEYNOTE HALL 2 \(max 100 participants\)](#)

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| Session 4 : Diversity of Animal species, Systematics and Phylogeny-3 | | Session 4 : Aquatic (Marine and Freshwater) Biodiversity-1 | | Session 4 : Microbial Biodiversity-3 | |
| Session Chair: Necmiye Şahin Aslan | | Session Chair: Özge Kahraman Ilikkan | | Session Chair: Sedat Çam | |
| 13:45 | A Large Knowledge Gap of Farmland Bird Populations of Turkey N. Şahin Arslan | 13:45 | New records of <i>Atherina boyeri</i> , <i>Carassius gibelio</i> and <i>Gambusia holbrooki</i> in Gökçeada (Çanakkale, Turkey) <u>S. Açıdamar</u> , G. Saç, Ö. Gaygusuz | 13:45 | Characterization of Phytopathogenicity Traits and Abiotic Stress Resistances of Some Rhizospheric Strains of <i>Pseudomonas Azotoformans</i> M. Slimane, E. H. Nabti, B. Lakhder |
| 14:00 | Fish Fauna of the Upper Porsuk River Basin S. Aksu | 14:00 | Soft-Bottom Molluscs Biodiversity in the Turkish Western Coast of the Black Sea A. M. Gözler, <u>H. Baytaşoğlu</u> | 14:00 | Against Fungal Disease Agents In Kaçkar Mountains National Park Boxwood Forest, Biological Control With <i>Trichoderma</i> Species <u>Ş. Alpay Karaoğlu</u> , A. Bozdeveci, Ş. Suyabatmaz, S. Vatandaşlar, S. Aytan, A. Usta |
| 14:15 | Effects Of Lantana Camara On Small Mammals Biodiversity in Groenkloof Nature Reserve, South Africa <u>T. Raphela</u> , K. Duffy | 14:15 | A Study on Freshwater Gammaridea (Crustacea, Amphipoda) Fauna in Lakes and Ponds of Ordu and Surrounding Provinces (Turkey) <u>A. Miroğlu</u> , M. Bodur | 14:15 | Detection of LuxS gene in Pathogenic Bacteria isolated from Pear Plants in Morocco <u>N. Lemjiber</u> , K. Naamani, X. Lin, A. Dihazi |
| 14:30 | Faunistic Studies on <i>Dorcadion Dalman</i> , 1817 (Coleoptera: Cerambycidae) Species of Collected from the Province of Erzurum and EMET Collection <u>M. Tatar</u> , G. Tozlu | 14:30 | Experimental Longline fisheries in artificial reefs in the northern Aegean Sea <u>A. Özgül</u> , A. Lök | 14:30 | Preference of Biofilm Mode of Growth of <i>Vibrio</i> Species S. Çam |
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| Session 5 : Diversity of Plant species, Systematics and Phylogeny-4 | | Session 5 : Aquatic (Marine and Freshwater) Biodiversity-2 | | Session 5 : Biodiversity, Landscape, Tourism-2 | |
| Session Chair: Ümit İncekara | | Session Chair: Ahmet Mutlu Gözler | | Session Chair: Işık Sezen | |
| 15:00 | Notes on <i>Anastrophyllum minutum</i> (Schreb.) Schust in Turkey <u>H. Erata</u> , N. Batan, M. Alataş | 15:00 | Biodiversity and SHE Analysis of Recent Foraminifera from The Benthic Zone of Marine Ecosystem in İlica Bay (Izmir, Eastern Aegean, Turkey) Ş. Parlak | 15:00 | Could biodiversity parameter results be misleading? <u>G. Aydın</u> , C. Kazak |

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| 15:15 | Notes on <i>Scapania obscura</i> (Arn. & Jens.) Schiffn. in Turkey (Scapaniaceae, Hepaticae) <u>H. Erata</u> , G. Abay, N. Batan, T. Özdemir | 15:15 | Benthic Foraminiferal Biodiversity of Demre Coasts (Antalya, Turkey) <u>Ş. Parlar</u> , H Duran | 15:15 | Comparison of Insect Biological Diversity Parameters in Natural and Degraded Habitats in Gölcük Nature Park Forest (Isparta, Turkey) G. Aydın |
| 15:30 | Survival Struggle of Local Endemic <i>Paeonia mascula</i> subsp. <i>bodurii</i> in Çanakkale <u>B. Kökçü</u> , E. Karabacak | 15:30 | Length-Weight Relationship of <i>Neogobius melanostomus</i> and <i>Gobius niger</i> species from the Eastern Black Sea, Turkey <u>H. Onay</u> , G. Dalgıç | 15:30 | Connectivity is Vitally Important in a Fragmented Forest Ecosystem To Sustain Biodiversity: An Analysis for Rize <u>H. Simten Sütüncü</u> , Ö. L. Çorbacı |
| 15:45 | A View to Floristic Richness of Gallipoli Peninsula (Çanakkale) <u>S. İşlek</u> , E. Karabacak | 15:45 | The Occurrence of Caulobacteraceae Members in the Different Marine Regions of Turkey G. Altuğ, <u>S. Kalkan</u> , P. S. Çiftçi Türetken | 15:45 | Detecting Barriers Between Protected Areas to Restore Ecological Connectivity H. Simten Sütüncü |
| 16:00 | Comparative Analysis of the Flora of Mud Volcanoes Alyat (Azerbaijan) S. Isayeva | 16:00 | Seasonal Changes of Fish Diversity and Species Composition in Borçka Dam Lake (Lower Çoruh River Basin, NE Turkey) <u>T. Yeşilçiçek</u> , F. Kalaycı | 16:00 | |
| 16:15 | Historical Background of Biodiversity of Erzurum Province and its Contribution to the Turkey's Biodiversity <u>Ü. İncekara</u> , A. Polat | 16:15 | Feeding Habits and Diet Composition of Atlas Barbel, <i>Luciobarbus ksibi</i> (Boulenger, 1905) in Zat Basin, Morocco <u>H. Benaissa</u> , H. Rassam, S. Moutaouakil, N. Fetnassi, M. Ghamizi | 16:15 | |
| 16:30 | | 16:30 | Comparison of Fatty Acid Composition in Edible Muscle Tissue of Three Native Trout Species: <i>Salmo rizeensis</i> , <i>Salmo coruhensis</i> , and <i>Salmo caspius</i> B. Karslı | 16:30 | |

20.11.2020, FRIDAY

Keynote_ Material Transfer from Nature to Technology

Murat Kaya – TURKEY

10:00

[CLICK TO ATTEND KEYNOTE HALL 1 \(max 100 participants\)](#), [CLICK TO ATTEND KEYNOTE HALL 2 \(max 100 participants\)](#)

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|--|---|---|--|---|---|
| Session 6: Effects of Biodiversity to Human Health-1 | | Session 6: Conservation Biology, Policy And Strategies & Protected | | Session 6 : Invasive Species & Biodiversity of Parasites and Their Hosts-1 | |
| Session Chair: Emre Çağlak | | Session Chair: Neslihan Gültekin | | Session Chair: Gazi Görür | |
| 10:45 | Antibacterial Activity of Orange (<i>Citrus aurantium</i>) and Stinging Nettle (<i>Urtica dioica</i>) Extracts Against Selected Fish Pathogenic Bacteria O. Kobya, B. Kara, E. Uzun-Yaylaci, E. Çağlak | 10:45 | New Data on Rare Beetle <i>Chrysochares asiaticus</i> (Pallas, 1771) (Coleoptera: Chrysomelidae) from Turkey and a Call for Conservation N. Gültekin, C. Gözüaçık, R. Gürbüz, M. Güdek | 10:45 | <i>Sitona germar</i> (Coleoptera: Curculionidae) Species and Ecological Observations in Alfalfa Areas in Iğdır Province, Turkey C. Gözüaçık, N. Gültekin, E. Aykut |
| 11:00 | Melissopalynological and Physico-Chemical Properties of Ayder (Camlihemsin / Rize) Honeys E. Demir, V. Atamov, K. Sorkun | 11:00 | Determination of Mammalian Diversity with Their Conservation Status in Kamilet Valley (Arhavi, Artvin): The Preliminary Results P. S. Şeker, G. A. Keleş | 11:00 | New data on <i>Astragalus</i> L. feeder <i>Sitonini gistel</i> (Coleoptera: Curculionidae: Entiminae) species from eastern Anatolia, Turkey C. Gözüaçık, A. J. V. De Castro, N. Gültekin, A. J. V. De Castro |
| 11:15 | The Biological Activity of <i>Pistacia terebinthus</i> subsp. <i>terebinthus</i> L. N. Erden, N. Hacıoğlu Doğru | 11:15 | State Practice of India In Protection Of Marine Environment With Specific Reference to UNCLOS S. Goswami | 11:15 | <i>Culicoides tbilisicus</i> Dzhafarov, 1964 (Diptera: Ceratopogonidae), A New Record For Turkish Biting Midges F. Turgut, Ş. Küçük |
| 11:30 | E-Waste: The unerasable Footprints H. Goswami | 11:30 | Endangered Species: Sturgeons Conservation and Management Strategies K. Ak | 11:30 | Investigation on Weevil (Curculionoidea) Diversity at Burnaz Coastal Dunes in Eastern Mediterranean Turkey L. Gültekin, M. Güdek, N. Gültekin |
| HALL 1 CLICK TO ATTEND | | HALL 2 CLICK TO ATTEND | | HALL 3 CLICK TO ATTEND | |
| Session 7 : Effects of Biodiversity to Human Health-2 | | Session 7 : Population Ecology | | Session 7 : Invasive Species & Biodiversity of Parasites And Their Hosts-2 | |
| Session Chair: Nusret Özbay | | Session Chair: Ertuğrul Ağırbaş | | Session Chair: Ali Miroğlu | |
| 13:00 | An Ethnobotanical Properties Of The Some Taxa of Şebinkarahisar District In The Giresun Province (Turkey) R. Hüseyinoğlu | 13:00 | Cranial Osteology of <i>Lacerta trilineata</i> Bedriaga, 1886 and <i>Lacerta viridis</i> (Laurenti, 1768) (Sauria: Lacertidae) Populations Distributed in Thrace Region A. Köse, Ç. Gül | 13:00 | The <i>Bruchus</i> L. (Coleoptera: Chrysomelidae) Species Feeding on Vicia Plants in Northeastern Anatolia M. Güdek Güçlü, L. Gültekin |

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| 13:15 | Abilities and Behaviours of some Monocotyledonous and Dicotyledonous Plant Species Consumed as Food in Perceiving the Water Source <u>S. Özgün</u> , G. Işık | 13:15 | Age and Body Size of the Mediterranean Chameleon, <i>Chamaeleo chamaeleon</i> , (Linnaeus, 1758) from Adana, Turkey K.I Candan | 13:15 | The Deterrent Effect of Some Natural Chemicals on the Feeding of <i>Thaumetopoea pityocampa</i> Den. & Schiff. (Lep: Thaumetopoidea) Larvae B. Firdin, <u>N. Altun</u> |
| 13:30 | Specification and Functional Properties Evaluation of Some Tropical Fruits <u>M. A. Ndisanze</u> , H. Pashazadeh, I. Koca | 13:30 | Life-history traits in a population of the Artvin lizard, <i>Darevskia derjugini</i> <u>H. Eksilmez</u> , A. Altunışık | 13:30 | Aphids (Hemiptera: Aphididae) Diversity on Oaks (<i>Quercus spp.</i>) in the South Marmara Region and the Presence and Distribution of the Oak Aphids in Turkey Ş. Kök |
| 13:45 | Repellent effect of plant extracts from <i>Hertia cheirifolia</i> and <i>Marrubium deserti</i> <u>S. Lebbal</u> , A. Zeraib, F. Amamri | 13:45 | <i>Fish Fauna of the Upper Porsuk River Basin</i> S. Aksu | 13:45 | Reassess of the <i>Valgothrombium alpinum</i> Willmann, 1940 (Actiniedida: Microtrombidiidae) <u>İ. Karakurt</u> , S. Sevsay |
| 14:00 | Types of <i>Paeonia</i> and Their Use in Phytotherapy G. Demirboğa, Y. Demirboğa, <u>N. Özbay</u> | 14:00 | Seasonality of Phytoplankton Size Classes and Pigment Indices along the South-Eastern Black Sea <u>E. Ağırbaş</u> , M. N. Karadeniz | 14:00 | Bruchinae Species (Coleoptera: Chrysomeliadae) Feeding on Field Bindweeds in Northeastern Anatolia Region <u>M. Güdek Güçlü</u> , L. Gültekin |
| 14:15 | Antimicrobial Activity of <i>Ajuğa chamaepitys</i> subsp. <i>chia</i> (Schreb.) Arcang <u>A. N. Savaş</u> , N. Hacıoğlu Doğru | 14:15 | First Report on the Herpetofauna of Belezma Biosphere Reserve, Province of Batna, North-Eastern Algeria <u>I. Bouam</u> | 14:15 | |

| HALL 1 CLICK TO ATTEND | | HALL 2 CLICK TO ATTEND | | HALL 3 CLICK TO ATTEND | |
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| Session 8 : Environmental Toxicology-2 | | Session 8 : Biogeography and Global Climate Change Effects on Biodiversity Areas | | Session 8 : Diversity of Plant species, Systematics and Phylogeny-5 | |
| Session Chair: Mustafa Cüce | | Session Chair: Esra Bayçelebi | | Session Chair: Hüseyin Baykal | |
| 15:00 | The Effect of Different Malathion Concentrations on Algal Growth in Cultural Conditions <u>B. Temizel</u> , E. N. Soylu | 15:00 | Is the Substrate an Important Factor in the Investigation of Gypsophile Endemism? <u>A. Kayabaş</u> , L. Kurt | 15:00 | Preliminary Studies on Reproductive Success in <i>Fritillaria aurea</i> Schott (Liliaceae) <u>F. Yıldız</u> , M. Aslay, A. Kandemir |
| 15:15 | Effects of Juglone on the Antioxidant Metabolism in the Larval Hemolymph of the Greater Wax Moth <i>Galleria mellonella</i> L. (Lepidoptera: Pyralidae) <u>E. Duman Erbaş</u> , H. Altuntaş | 15:15 | Importance of Stones for Soil Invertebrate Diversity of Mediterranean Oak Forests in Fire Events <u>J. Puga</u> , J. J. Keizer, N. Abrantes | 15:15 | Preliminary studies on the effects of different pollination types on reproductive success in <i>Scrophularia erzincanica</i> R.R. Mil (Scrophulariaceae) and <i>Scrophularia fatmae</i> Kandemir & İlhan <u>F. Yıldız</u> , H. İ. Türkoğlu, A. Kandemir, E. Kılıç, N. Yıldırım Doğan, M. Bekdemir |
| 15:30 | A Study of the Toxicity of EGME to a few Reproductive Parameters in male Wistar Rats. <u>L. Hamdi</u> , F. Arkoub, R. Boukarine, K. Khelili | 15:30 | Biogeography of Turkish <i>Salix</i> L. species <u>P. Acar</u> , F. O. Degirmenci, Z. Kaya | 15:30 | The Diversity Of Vascular Plants And Conservation In Rize V. Atamov, A. Süzen, <u>H. Baykal</u> , E. Demir |
| 16:00 | Keynote_ Water and Climate: Education as a tool for understanding change John Edward Etgen – USA CLICK TO ATTEND KEYNOTE HALL 1 (max 100 participants) , CLICK TO ATTEND KEYNOTE HALL 2 (max 100 participants) | | | | |