



BIORARE-2010

**INTERNATIONAL SYMPOSIUM ON
BIOLOGY OF RARE AND ENDEMIC
PLANT SPECIES**

26-29 May 2010

Fethiye, Turkey



METU



GRUP DOĐAYLA BARİŐ
Çevre Eğitim ve Sanat Derneđi



FTSBRD

The Committees of BIORARE-2010

Scientific Committee

Name	Institution	Country
Zeki Kaya, Chair	Middle East Technical University, Ankara	Turkey
Burcu Çengel	Ministry of Environment and Forestry	Turkey
Hayri Duman	Gazi University, Ankara	Turkey
Ahmet Duran	Selcuk Universitesi, Konya	Turkey
Musa Doğan	Middle East Technical University, Ankara	Turkey
B. Heinze	Federal Research Centre for Forestry, Vienna	Austria
Kani Işık	Akdeniz University, Antalya	Turkey
Gaye Kandemir	Ministry of Environment and Forestry	Turkey
David B. Neale	University of California, Davis	USA
Dudley Raynal	State University of New York, Syracuse	USA
Scott O. Rogers	Bowling Green State University, OH	USA
Fatih Temel	Çoruh University, Artvin	Turkey
Yasemin Tayanç	Ministry of Environment and Forestry	Turkey

Local Organizing Committee

Name	Institution	Country
Zeki Kaya, Symposium Chair	Middle East Technical University	Turkey
Nursen Aslan, Local Org. Com. Chair	Group for Peace with Nature (NGO)	Turkey
Hakkı Çopuroğlu	Group for Peace with Nature (NGO)	Turkey
Burcu Çengel, Symposium Secretary	Ministry of Environment and Forestry	Turkey
Sadi Şıklar	Ministry of Environment and Forestry	Turkey
Sertaç Önde	Middle East Technical University	Turkey
Reşat Tunç	General Directorate of Forestry	Turkey

Symposium Helpers

Name	Institution	Country
Caner Aktaş	Middle East Technical University	Turkey
M. Alev Ateş	Middle East Technical University	Turkey
Çiğdem Çetiner	Middle East Technical University	Turkey
Funda Değirmenci	Middle East Technical University	Turkey
Ayten Dizkırıcı	Middle East Technical University	Turkey
Ali Murat Gülsoy	Middle East Technical University	Turkey
Aysun D. Gülsoy	Middle East Technical University	Turkey
Zeynep Özkurt	Middle East Technical University	Turkey
Aslı Özdilek	Middle East Technical University	Turkey
Yeliz Tümbilen	Middle East Technical University	Turkey
Kubilay Yıldırım	Middle East Technical University	Turkey
Evrin Zeybek	Middle East Technical University	Turkey

BIORARE-2010 SUPPORTERS



*Ministry of Environment and Forestry,
General Directorate of Forestry*



*Ministry of Environment and Forestry,
General Directorate of Nature Conservation & National
Parks*



*Ministry of Environment and Forestry,
Environmental Protection Agency for Special Areas*



The Provincial Governorship of Mugla



Municipality of Fethiye



Lykia Botanika Beach & Fun Club



*Majesty Hotels and Resorts
Tuana Park, Fethiye*

THE PROGRAMS OF BIORARE-2010 SYMPOSIUM AND WORKSHOPS

25 MAY 2010 - TUESDAY	
14:00-20:00	Registration
18:00-20:00	Diner and Social
26 MAY 2010 - WEDNESDAY	
07:00-09:00	Registration (Continued)
10:00-10:15	Zeki KAYA, Welcoming Speech
10:15-11:00	Opening talks
11:00-11:20	Coffee Break
11:20-12:00	Zeki KAYA , Biology and Genetics of Rare and Endemic Plant Species: Their Conservation Strategies
12:00-13:30	Lunch
	Session Moderators: Kani IŞIK, Fatih Temel
13:40-14:20	David NEALE , Development and Application of Genomic-Based Tools to Manage Forests in Response to Climate Change
14:20-14:40	Kuddusi ERTUĞRUL , A Molecular Study On The Determination of The Genetic Diversity In The Threatened Endemic Species <i>Centaurea lycanica</i> Boiss.& Heldr. (Compositae)
14:40-15:00	Ayten DİZKIRICI , Determination of Phylogenetic Relationships Within <i>Oxytropis</i> Dc Genus By Using Internal Transcribed Spacer (<i>ITS</i>) Region Of Nuclear Ribosomal DNA
15:00-15:20	Coffee Break/ Poster Session Begins
15:20-16:00	Scott ROGERS , Preserving and Resurrecting Rare Plant Genomes
16:00-16:20	Abdulaziz ASSEED ; Inter- And Intra Genetic Structure and Diversity of Six Wild Populations of <i>Capparis decidua</i> Tree In Saudi Arabia
16:20-17:00	Poster Session
17:30-18:30	Opening cocktail for Photograph Exhibitions on : <ul style="list-style-type: none"> • “Endemic flowering plants of Muğla Province by Faruk Akbaş, • “ The Magic of The Mediterranean Sea: Oriental Sweetgum” by Nurşen Çopuroğlu-Hakkı Çopuroğlu • “The Alpine flowers, the closest plants to the Sky” by Faris KARAHAN • “The Çoruh Valley” by Egemen Çakır
21:00-22:00	Concert by the Marmaris Chamber Orchestra
27 MAY 2010 - THURSDAY	

ROOM B	Moderators: Dudley RAYNAL, Sertaç ÖNDE
09:00-09:40	Dudley RAYNAL , Population Ecology and Dynamics of Rare Plant Species in New York State
9:40-10:00	Nisrine MACHAKA-HOURI , A Preliminary Assessment of The Conservation Status of The Genus <i>Orchis</i> (Orchidaceae) In Lebanon With Emphasis On The Biology of <i>Orchis anatolica</i> , <i>O.galilea</i> , and <i>O.syriaca</i>
10:00-10:20	Kemal YILDIZ , Three Rare Endemics of <i>Silene</i> From Turkey
10:20-10:40	Coffee break
10:40-11:20	Kani IŞIK , Rare and Endemic Species: Why Are They Prone To Extinction?
11:20-11:40	Evren CABİ , Wild Relatives of Wheat and Their Impact On Sustainability in Turkey
11:40-12:00	Evrin ZEYBEK , Ex Situ Conservation Approach of <i>Crocus sativus</i> Genetic Resources by In Vitro Micropropagation Techniques
12:00-12:20	Nurşen ÇÖRDÜK , Conservation of Genetic Sources of <i>Digitalis trojana</i> Ivan. and <i>Sideritis trojana</i> Bornm. by In Vitro Culture
12:20-13:30	Lunch
27 MAY 2010 - THURSDAY	
ROOM A	WORKSHOP-I: SWEETGUM CONSERVATION
	Moderators: Nurşen ASLAN, Eser EKE BAYRAMOĞLU
10:00-11:00	Opening Talks
11:20-11:40	Nurşen ASLAN ,
11:40-12:00	Hakkı ÇOPUROĞLU
12:00-12:20	Aynur HATİPOĞLU , Protection and Monitoring Projects of Endangered and Indicator Species at Special Environmental Protection Areas (SEPAS) In Terms Of Biodiversity
12:30-13:30	Lunch
	Moderators: Belgin TAŞKIN, Burcu ÇENGEL
13:40-14:20	Zeki KAYA , Genetics and Conservation of Oriental Sweetgum
14:20-14:40	Belgin TAŞKIN , Esterase and Acid Phosphatase Polymorphisms In Relict Endemic <i>Liquidambar orientalis</i> Mill. Var. <i>orientalis</i> And <i>L. orientalis</i> Mill. Var. <i>integriloba</i> Fiori Populations In Turkey
14:40-15:00	Burcu ÇENGEL , Conservation of Oriental sweetgum (<i>Liquidambar orientalis</i>) Genetic Resources

15:00-15:20	Coffee Break
15:20-15:40	Eser EKE BAYRAMOĞLU , Production of <i>Liquidambar orientalis</i> Mill. var <i>orientalis</i> (Sığla) Storax and Collagen Containing Cream From Leather Industry Wastes
15:40-16:00	İnci Gökalan KARA , Comparison Of The Effect Of Sweetgum Oil On Wound Healing With Conventional Wound Dressings
16:00-16:20	Hüseyin CEBECİ , Cerambycidae (Coleoptera) Species Collected On Dead Or Stressed Oriental Sweetgum, <i>Liquidambar orientalis</i> Trees In Fethiye and Its Effect On Biodiversity
16:20-16:40	Esin KAHYA , Medical Uses of Oriental Sweetgum in History
16:40-17:00	Semra Yalçın , Return of Sweetgum: From Patches to Whole through Establishing Corridors
28 MAY 2010 - FRIDAY	
Room A	Session Moderators: Musa DOĞAN, Scott ROGERS
09:00-09:40	Brad STCLAIR , Strategies For Management and Conservation of Forest Genetic Resources In The Face of Climate Change
09:40-10:00	Abdelaziz AYARI ; Forest Stand Characteristics And Individual Tree Size Influences On Aleppo Pine Fructification And Species Conservation
10:00-10:20	Magdy EL-BANA , Current Situation Of The Mediterranean <i>Juniperus phoenicea</i> L. Relicts At Its Upper Limit of Distribution In Northwest Asia
10:20-10:40	Coffee break
10:40-11:00	Alaa HEMEIDA ; Identification and Genetic Similarity Analysis of Date Palm (<i>Phoenix dactylifera</i> L.) Collected From Different Regions In Siwa Oasis Using Morphologically Traits and Molecular Markers
11:00-11:20	Gürkan SEMİZ , Human-Assisted Migration of A Rare Species: An Example Of <i>Sequoiadendron giganteum</i> Planted On The Taurus Mountains
11:20-11:40	Fatih TEMEL , Threats To Genetic Diversity Of Oriental Spruce (<i>Picea orientalis</i>) In Turkey
12:00-13:00	Lunch
13:30-18:00	Field Trip (Sandras Mountains) organized by Group Peace with Nature and Scientific Guidance with Hayri Duman and Zeki Aytaç
19:00-21:00	Gala Diner
29 MAY 2010 - SATURDAY	

ROOM B	Moderators: Brad STCLAIR, Berthold HEINZE
09:00-09:40	Bertolt HEINZE , Conservation and The Threat of Hybridization and Introgression: <i>Populus nigra</i> and <i>Taxus baccata</i> in Europe
09:40-10:00	Abdul MAJID ; Potential and Problems Associated With The Endemic Flora of Pakistan
10:00-10:20	Zaur HMBETOV , Coniferous Endemic Species (<i>Pinóphyta</i>) Existing In Azerbaijan And Their Use In Vegetation And Their Conservation
10:20-10:40	Coffee break
10:40-11:20	Musa DOĞAN , Conservation Status Of Rare Endemic Species of <i>Salvia</i> L. (Lamiaceae) in Turkey
11:20-11:40	Habib AHMAD , Species Diversity And Conservation Status of The Diversity of Vascular Plants Of Nandiar Khawr District Batagram Pakistan
12:00-13:30	Lunch
ROOM B	WORKSHOP-II: BIOINFORMATICS
	Moderators: David B. NEALE, Jill L. WEGRZYN, Zeki KAYA
13:40-14:20	Jill L. WEGRZYN , Bioinformatic solutions for data integration in forest genomics
14:20-14:40	Zeki KAYA , Molecular Phylogenetics and Bioinformatic tools
14:40-15:00	Aysun Demet GÜLSOY , The Phylogenetic Analysis of <i>Pinus nigra</i> Arnold Subspecies <i>pallasiana</i> Varieties With Respect To Non-Coding <i>Trn</i> Regions of Chloroplast Genome
15:00-15:20	Coffee Break
15:20-15:40	Sertaç ÖNDE , Identification of <i>Aegilops</i> L. and <i>Triticum</i> L. species based on chloroplast DNA
15:40-16:00	Alev ATEŞ , The sequence data on non-coding <i>trn</i> region of chloroplast genomes of Turkish firs indicating the speciation from a single ancestral fir
16:00-16:20	Çiğdem ÇETİNER , Determination Of Phylogenetic Relationships Within <i>Salvia Euphratica</i> Complex & Its Closely Related Species By Using Internal Transcribed Spacer (<i>Its</i>) Region Of Nuclear Ribosomal DNA
16:20-17:00	Discussion
17:00-18:00	Closing Remarks
29 MAY 2010 - SATURDAY	
ROOM A	WORKSHOP III: BIODIVERSITY CONSERVATION AND TOURISM
	Moderators: Hakkı ÇOPUROĞLU, Aynur HATİPOĞLU

09:00-09:10	Opening
09:10-09:25	Mustafa Kemal YALINKILIÇ , Nature Conservation Activities and Ecotourism in Turkey
09:25-09:40	Hakkı ÇOPUROĞLU , Biodiversity Conservation and Tourism
09:40-09:55	Başaran ULUSOY , TURSAB
09:55-10:10	Gülbahar EDİK , Babadağ Biodiversity Conservation and Science Tourism
10:10-10:25	Hayrettin KARACA , TEMA Foundation
10:25-10:40	Coffee Break
10:40-10:55	Galip AKAYDIN , Rare and Endemic Plants of Muğla Province (Just Power Point Presentation)
10:55-11:10	Eyüp YÜKSEL , The Current Situation Of Nature Conservation In Türkiye In The Light Of International Organizations, OECD Environmental Indicators, EU Approximation and Further Implementation Alternatives Proposed
11:10-11:25	Hasan TORLAK ; Tourism Potential of Endemic Plant Richness of Turkey
11:25-11:40	Yaşar DOSTBİL
11:40-11:55	Pelin BOZOĞLU , Plant Diversity In Upcoming Tourism
11:55-12:10	Özlem ŞENEL ARSLAN , Turkey's Forests And Biodiversity
12:10-12:25	Egemen ÇAKIR , Recreational Resource Values of The Çoruh Valley
12-30-14:00	Lunch
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14:00-14:15	Şevket ALP , Exploration Of The Usage Priority Of The Bulbous Plants In Botanic Tourism: The Example Of <i>Fritillaria Imperialis</i> L.
14:15-14:30	Faris KARAHAN , The Alpine Flowers Project: The Closest Plants to The Sky
14:30-14:45	Neşe BİLGİN , Mugla's Fruit Heritage Project, Turkey
14:45-15:00	Mustafa İŞILOĞLU , Morchella (Kuzugöbeği) Species Conservation Methods
15:00-15:15	Coffee Break
15:15-15:30	Kubilay ÖZYALÇIN , An Example For Ecotourism In Forest Ecosystems
15:30-15:45	Emre KARABACAK , Ecotourism Planning in Yanıklar Village, Fethiye

15:45-16:00	Erdal ÖTÜGEN, Eco-Turism and Caravan Tourism
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16:40-17:00	Discussion
17:00-18:00	Closing Remarks
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ROOM A	WORKSHOP III: BIODIVERSITY CONSERVATION AND TOURISM
	Moderators: Hakkı ÇOPUROĞLU, Aynur HATİPOĞLU
09:00-09:10	Opening
09:10-09:25	Mustafa Kemal YALINKILIÇ, Nature Conservation Activities and Ecotourism in Turkey
09:25-09:40	Hakkı ÇOPUROĞLU, Biodiversity Conservation and Tourism
09:40-09:55	Başaran ULUSOY, TURSAB
09:55-10:10	Gülbahar EDİK, Baba Mountain's Biodiversity Conservation and Science Tourism
10:10-10:25	Hayrettin KARACA, TEMA Foundation
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11:40-11:55	Pelin BOZOĞLU, Plant Diversity In Upcoming Tourism
11:55-12:10	Özlem ŞENEL ARSLAN, Turkey's Forests And Biodiversity
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