

Program

	Sunday 3th	Monday 4th	Tuesday 5th	Wednesday 6th	Thursday 7th	Friday 8th	Saturday 9th
9.00		Registration	Hossein Akhani	Maria Prieto			
9.15		Registration					
9.30		Latin dance show Concert					
9.45		Soprano: Assoc. Prof. Dr. Demet GÜRHAN Piano: Assoc. Prof. Dr. Güler Demirova GYÖRFFY	Farshid Memariani	Giovanni Spampinato			
10.00		Latif Kurt					
10.15		Sara Palacio					
10.30		Deputy Rector Sibel Ayşıl Özkan	Break	Break			
10.45		Break	Break	Break			
11.00		Break	Walter Muiño	Adrián Escudero			
11.15							
11.30		M. Hilda Flores	Stefan Siebert	Ana Foronda			
12.00							
12.15							
12.30							
		Lunch	Lunch	Lunch			
14.00		Poster session	Poster session	Poster session			
14.15		Poster session	Poster session	Poster session			
14.30		Break	Break	Break			
14.45		Latif Kurt	Michael Moore	Juan Mota			
15.00							
15.15							
15.30		Derviş Öztürk	Maryam Malekmohammadi	Ana Sánchez			
15.45							
16.00		Betül Yılmaz Öztürk	Andreu Cera	Silvia Matesanz			
16.15							
16.30		H. Aşkın Akpulat	Ana Foronda	Ana Garcia			
16.45		Break	Break	Break			
17.00							
17.15							
17.30		Meeting WP 1	Meeting WP 1	Meeting WP 1			
17.45		(Biodiversity)	(Phylogeny and Evolution)	(Functional Ecology and Global Change)			
18.00							
18.15							
					Field Trip (Beypazar-Sivrihisar)	Analysis of Phylogenies training course	Management Committee Meeting

DETAILED PROGRAM

Sunday 3rd	09:00 10:30	Course on Gender Equality in Science
	10:30 10:45	Break
	10:45 12:30	Course on Gender Equality in Science
	12:30 14:00	Lunch
	14:00 15:30	Course on Gender Equality in Science
	15:30 15:45	Break
	15:45 17:15	Course on Gender Equality in Science
	17:15	Registration for Conference

Monday 4th	09:00 09:30	Registration
	09:30 10:30	Opening ceremony
	10:30 11:00	Break
	11:00 11:30	GYPWORLD, A global initiative to understand plant life on gypsum Sara Palacio ¹ and The GYPWORLD Consortium ¹ Department of Biodiversity and Restoration, Pyrenean Institute of Ecology (CSIC), Jaca, Spain
	11:30 12:00	<u>Gypsum ecosystems as biodiversity hotspots: the case of North America</u> Hilda Flores Olvera ^{1*} , Michael J Moore ² , Norman A Douglas ³ , Helga Ochoterena ¹ ¹ Institute of Biology, National Autonomous University of Mexico, Mexico ² Oberlin College, Science Center, Oberlin, OH ³ Department of Biology, University of Florida, Gainesville
	12:30 14:00	Lunch
	14:00 14:30	Poster session (p.1-p.6)
	14:30 14:45	Break
	14:45 15:15	<u>Gypsicole flora of Turkey</u> Latif Kurt ¹ , Ebru Özdeniz ¹ , Beste Gizem Özbey ¹ , Ayşenur Bölükbaşı ¹ ¹ Department of Biology, Faculty of Science, Ankara University, Turkey
	15:30 16:00	<u>Determination of chemical and physical analysis tolerance of some units detected in gypsiferous and marly soils in Eskişehir</u> Derviş Öztürk Department of Biology, Faculty of Science and Art, Eskişehir Osmangazi University, Eskişehir, Turkey
16:00 16:30	<u>Synthesis of silver nanoparticles by green synthesis from <i>Asphodeline taurica</i> (Pallas) Kunth in different soil types (gypsum, marl, etc.)</u> Betül Yılmaz Öztürk ¹ , Derviş Öztürk ²	

		¹ Center Research Laboratory Application and Research Center (ARUM), Eskişehir Osmangazi University, Eskişehir, Turkey ² Department of Biology, Faculty of Science and Art, Eskişehir Osmangazi University, Eskişehir, Turkey
	16:30 17:00	<u>Gypsum areas and endemism in Sivas</u> H. Aşkın Akpulat Department of the Secondary Education of Science and Mathematics, Faculty of Education, Cumhuriyet University, Sivas, Turkey
	17:00 17:30	Break
	17:30 18:15	Meeting WP 1-Biodiversity

Tuesday 5th	09:00 09:30	<u>Gypsum and marl flora of Iran: Fascination of a poorly known vegetation</u> Hossein Akhani Halophytes and C4 Plants Research Laboratory, Department of Plant Sciences, School of Biology, College of Science, University of Tehran, Iran
	09:45 10:15	<u>Khorassan- Kopet Dagħ Floristic Province (NE Iran, S Turkmenistan): An edaphic endemism hotspot in Irano-Turanian Region</u> Farshid Memariani Department of Botany, Research Center for Plant Sciences, Ferdowsi University of Mashhad, Mashhad, Iran
	10:30 11:10	Break
	11:00 11:30	<u>Base information to study gypsum ecosystems in Argentina</u> Walter Alejandro Muiño Faculty of Natural Sciences, National University of La Pampa, Argentina

12:00 12:30	<p><u>Gypsum ecosystems in Africa: Past and present research and knowledge gaps</u></p> <p>Stefan J. Siebert Unit for Environmental Management, North-West University, Potchefstroom, South Africa</p>
12:30 14:00	Lunch
14:00 14:30	Poster session (p.7-p.12)
14:30 14:45	Break
14:45 15:15	<p><u>An “old and established” assemblage: Lessons from the diversification of the Chihuahuan Desert gypsum endemic flora</u></p> <p>Michael Moore Department of Biology, Oberlin College, Oberlin, Ohio, United States of America</p>
15:30 16:00	<p><u>Molecular phylogeny of chloroplast and nuclear data reveal presence of three gypsophyte lineages of <i>Limonium</i> in the Irano-Turanian region</u></p> <p>Maryam Malekmohammadi Department of Plant Sciences, School of Biology, College of Sciences, University of Tehran, Tehran, Iran</p>
16:00 16:30	<p><u>Can gypsophiles grow out of gypsum? A common garden experiment to understand plant adaptation to gypsum soils</u></p> <p>Andreu Cera Pyrenean Institute of Ecology (CSIC), Spain</p>
16:30 17:00	<p><u>Different roles of shrubs in spatially structuring the soil seed bank in semi-arid gypsum plant communities of NE Spain</u></p> <p>Ana Foronda Pyrenean Institute of Ecology (CSIC), Zaragoza, Spain</p>
17:00 17:30	Break
17:30 18:15	Meeting WP 2-Phylogeny and Evolution

Wednesday 6th	09:00 09:30	<u>Gypsum lichens</u> Maria Prieto Rey Juan Carlos University, Madrid, Spain
	09:45 10:15	<u>An overview on gypsophilous flora in Italy</u> Giovanni Spaminato Department of Agraria, Università "Mediterranea" di Reggio Calabria, Italy
	10:30 11:10	Break
	11:30 12:00	<u>Influence of vascular plants and biocrusts on the spatial structure of gypsum communities of the Chihuahuan Desert, New Mexico</u> Ana Foronda ¹ , Michael J. Moore ² , Nicole Pietrasiak ³ , Megan Stovall ³ , Yolanda Pueyo ¹ ¹ Pyrenean Institute of Ecology (CSIC), Zaragoza, Spain ² Department of Biology, Oberlin College, Oberlin, Ohio, United States of America ³ Plant and Environmental Sciences Department, New Mexico State University, Las Cruces, New Mexico, United States of America
	12:30 14:00	Lunch
	14:00 14:30	Poster session (p.13-p.18)
	14:30 14:45	Break
	14:45 15:15	<u>How many gypsophytes are there? A delphi approach for Spain</u> Juan F. Mota University of Almería, Biology and Geology Department, Almeria, Spain

15:30 16:00	<p><u>Amazing annual communities: an overview on patterns and process behind species coexistence</u></p> <p>Sánchez AM¹, Peralta AM¹, 1 Luzuriaga AL¹, Escudero A¹</p> <p>Rey Juan Carlos University, Madrid, Spain</p>
16:00 16:30	<p><u>The GYPSEVOL project: Phenotypic plasticity and natural selection on gypsum specialists and their role on a global-change context</u></p> <p>Silvia Matesanz</p> <p>Rey Juan Carlos University, Madrid, Spain</p>
16:30 17:00	<p><u>Demographic effects of interacting species in a gypsum plant community: exploring stable coexistence under increased climatic variability</u></p> <p>Ana I.García-Cervigón</p> <p>University of Cádiz, Spain</p>
17:00 17:30	Break
17:30 18:15	Meeting WP 3-Functional Ecology and Global Change

Thursday 7th	Field Trip (Beypazarı-Sivrihisar)
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Friday 8th	09:00 10:30	Analysis of Phylogenies training course
	10:30 11:00	Break
	11:00 12:30	Analysis of Phylogenies training course
	12:30 14:00	Lunch
	14:00 16:00	Analysis of Phylogenies training course
	16:00 16:15	Break
	16:15	Analysis of Phylogenies training course

Saturday 9th	<p>Mananagement Commitee Meeting</p> <p>CLOSURE</p>
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POSTER SESSIONS

p.1	Concervation biology of an endangered gypsophyte species: <i>Astragalus beypazaricus</i> Podlech & Aytaç
	Latif Kurt ¹ , Ayşenur Bölükbaşı ¹ , Ebru Özdeniz ¹ , Beste Gizem Özbey ¹ , Tuğrul Körüklü ¹ ¹ Department of Biology, Faculty of Science, Ankara University, Turkey
p.2	A preliminary study on in-situ conservation measures for environmental factors causing population rehabilitation and fluctuation of endangered gypsocline species: <i>Aethionema turcica</i> H.Duman & Aytaç
	Latif Kurt ¹ , Beste Gizem Özbey ¹ , Ayşenur Bölükbaşı ¹ , Ebru Özdeniz ¹ , S. Tuğrul Körüklü ¹ ¹ Department of Biology, Faculty of Science, Ankara University, Turkey
p.3	Investigation of the availability of gypsophyte and gypsovag in monitoring the pollution caused by Çayırhan Thermal Power Plant
	Latif Kurt ¹ , Ayşenur Bölükbaşı ¹ , Ebru Özdeniz ¹ , Beste Gizem Özbey ¹ ¹ Department of Biology, Faculty of Science, Ankara University, Turkey
p.4	Population dynamics of endangered gypsophyte species: <i>Verbascum gypsicola</i> Vural & Aydoğdu
	Latif Kurt ¹ , Ebru Özdeniz ¹ , Beste Gizem Özbey ¹ , Ayşenur Bölükbaşı ¹ , S. Tuğrul Körüklü ¹ ¹ Department of Biology, Faculty of Science, Ankara University, Turkey
p.5	Analysis of gypsophile plant samples in Herbarium (ANK)
	Fatmagül Geven ¹ , Kerim Güney ² , Ayşenur Bölükbaşı ¹ ¹ Department of Biology, Faculty of Science, Ankara University, Turkey ² Kastamonu University, Faculty of Forestry, Department of Forestry Engineering, Kastamonu
p.6	Plants on a gypsum habitat in Ankara
	Leyla Olfaz Hacettepe University, Ankara, Turkey

p.7	Morphological differences of two close related and gypsovags <i>Paracaryum</i> species: <i>P. racemosum</i> & <i>P. hedgei</i> (Boraginaceae)
	Aslı Doğru Koca ¹ , Şinasi Yıldırım ¹ ¹ Department of Biology, Faculty of Science, Hacettepe University, Ankara, Turkey
p.8	Ecological niche modeling: The case study of the gypsophilous flora in Spain
	Antonio J. Mendoza-Fernández Biology and Geology Department, University of Almeria, Spain
p.9	Effect of water availability in assemblage of gypsophilous plant communities from the Potosinian Highland, Mexico
	Vargas Colin A, Flores J, Brunel JP, Romo R, Luzuriaga AL The Institute for Scientific and Technological Research of San Luis Potosi, Mexico
p.10	Expanding the gypsophile taxa checklist to the Sub-Saharan Africa: in pursuit of the tropical gypsophyte
	Pérez Garcia FJ, Martínez Hernández F, Mendoza Fernández AJ, Merlo ME, Salmerón Sánchez E, Mota JF Department of Biology and Geology, University of Almeria, Spain
p.11	Effects of environmental degradation in doline lake: the Bakkal lake (Çankırı)
	Ali Uğur Özcan Çankırı Karatekin University, Forest Faculty, Department of Landscape Architecture, Çankırı, Turkey
p.12	Landscape change in gypsum region at short period: Çankırı case
	İbrahim Aytaş, Ali Uğur Özcan Çankırı Karatekin University, Forest Faculty, Department of Landscape Architecture, Çankırı, Turkey
p.13	Resemblance between vegetation and soil seed bank remains steady regardless of the presence of <i>Stipa</i> and Biological Soil Crusts in different spatial scales in semi-arid gypsum systems
	López Rubio R, Luzuriaga AL, Sánchez AM, Peralta AML, Escudero A King Juan Carlos University, Madrid, Spain

p.14	Does phylogenetic diversity of the community determine plant species fitness under environmental stress? A common garden experiment manipulating phylogenetic scenarios of annual plant species in gypsum soils.
	Jiménez RC, Chaves R, Ferrandis P, López Rubio R, Escudero A, Luzuriaga AL King Juan Carlos University, Madrid, Spain
p.15	Gypsophilous vegetation studies in North America: A literature review.
	Brunel JP, Romo R, Flores J, Escudero A, Luzuriaga AL King Juan Carlos University, Madrid, Spain
p.16	<i>Gypsophyla arrostii</i> from Medicinal Foods in Mediterranean Region
	Saadet Tuğrul Ay ¹ , Ahu Çınar ² , Fırat Ayas ² , Nurcan Güzelsoy ³ , Özgül Uçurum ³ , Emre Tokat ³ ¹ Mediterranean Region Coordinator of BFN Project ² Batı Akdeniz Agricultural Research Institute, Antalya, Turkey ³ Central Research Institute of Food and Feed Control, Bursa, Turkey
p.17	An integrative approach to fragmentation: Effects of landscape, population features and habitat quality on multiple life stages of a Mediterranean shrub
	Moncalvillo B, Matesanz S, Escudero A, Sánchez AM Rey Juan Carlos University, Madrid, Spain
p.18	Distribution, structure and composition of the gypsophilous communities in Cyprus
	Christodoulou CS ¹ , Andreou M, Vogiatzakis IN ² ¹ Department of Forests, Ministry of Agriculture, Rural Development and Environment Nature Conservation Unit, Frederick University, Cyprus ² Terrestrial Ecosystems Management Lab, School of Pure and Applied Sciences, Open University of Cyprus, Cyprus

