

GUIDE FOR ORAL SESSIONS

Dates Halls	15 th May 2012			16 th May 2012				17 th May 2012			
	Session I 13 ³⁰ -15 ⁰⁰	Session II 15 ³⁰ -17 ⁰⁰	Session III 17 ³⁰ -19 ⁰⁰	Session I 08 ³⁰ -10 ⁰⁰	Session II 10 ³⁰ -12 ⁰⁰	Session III 13 ³⁰ -15 ⁰⁰	Session IV 15 ³⁰ -17 ⁰⁰	Session I 08 ³⁰ -10 ⁰⁰	Session II 10 ³⁰ -12 ⁰⁰	Session III 13 ³⁰ -15 ⁰⁰	Session IV 15 ³⁰ -17 ⁰⁰
Ballroom	Land degradation, remediation and reclamation	Land degradation, remediation and reclamation	Carbon sequestration and management	Land degradation, remediation and reclamation	Land degradation, remediation and reclamation	Nutrient management for soil sustainability, food security and human health	Nutrient management for soil sustainability, food security and human health	Land degradation, remediation and reclamation	Land degradation, remediation and reclamation	Land degradation, remediation and reclamation	Land degradation, remediation and reclamation
Okyanus Hall	Nutrient management for soil sustainability, food security and human health	Nutrient management for soil sustainability, food security and human health	Policies for soil health management in agriculture	Nutrient management for soil sustainability, food security and human health	Nutrient management for soil sustainability, food security and human health	Nutrient management for soil sustainability, food security and human health	Nutrient management for soil sustainability, food security and human health	Soil properties and modeling	Geo-spatial/Remote Sensing technologies for soil management	Soil genesis and classification	Soil genesis and classification
Gerence I	Soil and water conservation	Soil and water conservation	Soil and water conservation	Soil and water conservation	Soil and water conservation		Carbon sequestration and management	Soil and water conservation	Soil and water conservation	Soil and water conservation	Soil and water conservation
Gerence II	Soil properties and modeling	Soil properties and modeling	Wetland soils and climate change	Soil properties and modeling	Soil properties and modeling		Policies for soil health management in agriculture				
Denizkızı II	Soil and water pollution	Soil and water pollution	Soil and water pollution	Soil and water pollution	Deforestation, overgrazing and desertification		Geo-spatial/Remote Sensing technologies for soil management	Geo-spatial/Remote Sensing technologies for soil management	Geo-spatial/Remote Sensing technologies for soil management	Geo-spatial/Remote Sensing technologies for soil management	Geo-spatial/Remote Sensing technologies for soil management
Denizkızı I									Lecture on New approaches in soil enzymology	Lecture on New approaches in soil enzymology	Lecture on New approaches in soil enzymology

**8th International Soil Science Congress on
"Land Degradation and Challenges in Sustainable Soil Management"
15-17 May 2012**

C O N F E R E N C E P R O G R A M M E

MONDAY, MAY 14th

12⁰⁰ – 18⁰⁰ Registration at the Altın Yunus Resort & Thermal Hotel

Attention: Oral presentations must be given to the "Presentation Desk"

TUESDAY, MAY 15th

Ballroom

07⁰⁰ – 19⁰⁰ **REGISTRATION**

OPENING CEREMONY and WELCOME

- Dr. Yusuf Kurucu (Chair of the Congress)
- Dr. Sabit Erşahin (Head of Soil Science Society of Turkey)
- Dr. Gürsel Küsek (General Director of General Directorate of Agricultural Reform)
- Serdar Sarıgül (General Director of the Turkish Foundation for Combating Soil Erosion, for Reforestation and the Protection of Natural Habitats)
- Dr. Akın Olgun (Dean of Faculty of Agriculture, Ege University)
- Dr. Candeğer Yılmaz (Rector of Ege University)
- M. Cahit Kıraç (Governor of Izmir)
- Dr. Mehmet Mehdi Eker (Minister of Food, Agriculture and Livestock)

09³⁰ – 10³⁰

Ballroom

10³⁰ – 11⁰⁰ Coffee Break

11⁰⁰ – 12⁰⁰ **PLENARY SESSIONS**

Ballroom

Chairman: Dr. Selim Kapur (*Turkey*)

11⁰⁰ – 11³⁰

Plenary Lecture 1

Speaker: Dr. Richard Dick (*the USA*)

Title: Native Shrubs *Piliostigma reticulatum* and *Guiera senegalensis* as companion plants: rhizosphere hydrology and microbiology in relation to crop productivity in the Sahel

Ballroom

11³⁰ – 12⁰⁰

Plenary Lecture 2

Speaker: Dr. Sergey Shoba (*Russia*)

Title: Soil degradation challenge in arid areas: The role of soil databases and soil information tools

Ballroom

12⁰⁰ – 13³⁰ Lunch

13³⁰ – 19⁰⁰ **PARALLEL SCIENTIFIC SESSIONS**

All Halls

08³⁰ – 19⁰⁰

FREE POSTER SESSIONS

Yunus Hall

10³⁰ – 17⁰⁰

Extension of the European Soil Database Workshop

Denizkızı III

TUESDAY, MAY 15th**Ballroom****13³⁰ – 17⁰⁰****Theme: Land degradation, remediation and reclamation***Ballroom***13³⁰ – 15⁰⁵****1st Session Chair:** Dr. Claudio Zucca (*Italy*)*Ballroom*13³⁰ – 13⁴⁵

ege721

Assessment of land degradation in north western part of Karnataka, India
G.S. Dasog, P.L. Patil, M.S. Korade and T. Ravisankar

13⁴⁵ – 14⁰⁰

ege738.1

Significance of carbon in the development of soil structure
İ. Ortas, R. Lal and S. Kapur

14⁰⁰ – 14¹⁵

ege642.1

Carbon mineralization in mine tailing ponds amended with pig slurries and marble wastes
R. Zornoza, Á.F. Cano, D.M. Carmona, J.A. Acosta, S. Martínez-Martínez and S. Kabas

14¹⁵ – 14³⁰

ege425.1

Study of drought stress treatments on agronomic traits of rapeseed varieties winter (*Brassica napus* L.)
H. Bagheri and A.H. Shirani Rad

14³⁰ – 14⁵⁵

ege403

Effects on soils of the restoration actions to combat desertification. First results of the practice project in Pula (Sardinia, Italy) and Ouled Dlim (Morocco)
C. Zucca, V. Fiori, C. Cucca, S. Musinu, M.L. Congiu and S. Madrau

14⁵⁵ – 15⁰⁵**Discussion****15⁰⁵ – 15³⁰****Coffee Break****15³⁰ – 17⁰⁰****2nd Session Chair:** Dr. Ahmet Mermut (*Turkey*)*Ballroom*15³⁰ – 15⁴⁵

ege117

Recent consequences of land degradation on farmland in the peri-urban area of Kaduna metropolis, Nigeria
T.O. Adewuyi and A.S. Baduku

15⁴⁵ – 16⁰⁰

ege851

Betterment of soil database, integration with natural and artificial environment and agricultural land use planning
G. Küsek, Y. Şahin and İ.H. Erden

16⁰⁰ – 16¹⁵

ege145

Decontamination of potential toxic elements in sewage soils by inorganic amendments
M. Saber, S. El-Ashery and A.M. Zaqloul

16¹⁵ – 16³⁰

ege835

A decade of change in land use and development of sinkholes in Karapınar (C. Anatolia)
E. Akça, Ö. Katsöz, K. Takashi, K. Akihiro, T. Nagano, Y.K. Koca and S. Kapur

16³⁰ – 16⁴⁵

ege570

Soil nitrogen dynamic in some Mediterranean soils: Tunisian case study
I. Dridi, N. Brahim and T. Gallali

16⁴⁵ – 17⁰⁰**Discussion****17⁰⁰ – 17³⁰****Coffee Break**

TUESDAY, MAY 15th

Ballroom

17³⁰ – 19⁰⁰

Theme: Carbon sequestration and management

Ballroom

17³⁰ – 19⁰⁰

3rd Session Chair: Dr. Sevinç Arcak (Turkey)

Ballroom

17³⁰ – 17⁴⁵

ege338.1

Dynamic of the active fraction of organic matter in some meadow soils

M. Sbih, A. Karam, A. N'Dayegamiye, Z. Bensid and A. Boukaboub

17⁴⁵ – 18⁰⁰

ege423

Conservation agriculture in dry areas of Morocco: genuine climate change mitigation

R. Mrabet

18⁰⁰ – 18¹⁵

ege495

The relationship between primary terrain attributes and soil organic carbon in cropland (case study: Deylaman region, Iran)

S. Falahatkar, S.M. Hosseini, A.S. Mahiny and M.S. Alavi-Yeganeh

18¹⁵ – 18³⁰

ege573

Soil organic carbon stocks and its variation according by different land uses in Tunisia

T. Gallali, N. Brahim and M. Bernoux

18³⁰ – 18⁴⁵

18⁴⁵ – 19⁰⁰

Discussion

19⁰⁰ – 20⁰⁰

POSTER SESSIONS

Yunus Hall

20⁰⁰ – 21³⁰

Dinner

Izmir - TURKEY

TUESDAY, MAY 15th

Okyanus Hall

13³⁰ – 17⁰⁰

Theme: Nutrient management for soil sustainability, food security and human health

Okyanus Hall

13³⁰ – 15⁰⁵

1st Session Chair: Dr. Nicola Senesi (*Italy*)

Okyanus Hall

13³⁰ – 13⁴⁵

ege870

The utilization of agro-clino as the soil amendment in the seedling of Turkish red pine (*Pinus brutia* ten.) and its' effect in the soil characteristics and the sapling growth
M. Sayman, M. Kilci, S. Özyaydin and G. Akbin

13⁴⁵ – 14⁰⁰

ege161

Screening for zinc-efficient and zinc-inefficient barley varieties grown in zinc-deficient calcareous soil
S.N. AL-Niemi and M.S. S.Dohuki

14⁰⁰ – 14¹⁵

ege611

Effect of dolomite on yields and nutrient availability in wheat-rice cropping pattern in acid soils of northwest Bangladesh
M. Bodruzzaman, J.G. Lauren, J.M. Duxbury, M. Jahiruddin and M.R. Islam

14¹⁵ – 14³⁰

ege734

Effects of Merus ring to reduce soil salinity under furrow irrigation
B. Mostafazadeh-Fard, K. Barati, A.A. Sheikhbahaei and A.A. Ensafi

14³⁰ – 14⁵⁵

ege869

Interactions of soil organic matter/humic substances with pesticide residues and metal ions in soil
N. Senesi

14⁵⁵ – 15⁰⁵

Discussion

15⁰⁵ – 15³⁰

Coffee Break

15³⁰ – 17⁰⁰

2nd Session Chair: Dr. Batty Natalie Fitriatin (*Indonesia*)

Okyanus Hall

15³⁰ – 15⁴⁵

ege183.1

Ca²⁺ content decreased in root symplast more than root apoplast in sunflower plants exposed to moderate salinity and role of supplemental calcium
R. Ebrahimi

15⁴⁵ – 16⁰⁰

ege216

Effect of leaves defoliation and boron fertilization on growth, yield and quality of sunflower (*Helianthus annuus* L., *Compositae*)
S.A. Mohamed and A.T. Shaker

16⁰⁰ – 16¹⁵

ege228

Effect of copper and sodium chloride on photosynthetic properties of pistachio seedlings (cv. *Ghazvini*) under greenhouse conditions
S. Eskandari, V. Mozaffari and A. Tajabadi Pour

16¹⁵ – 16³⁰

ege330.1

Effect of salt stress on photosynthetic pigments in pistachio leaves (*Pistacia vera* cv. Badami-Riz-zarand) inoculated with arbuscular mycorrhizae (*glomus mosseae*)
M.H. Shamsheiri, F. Pourizadi, H.R. Roosta and H.R. Karimi

16³⁰ – 16⁴⁵

ege601

Effect of phosphate solubilizing bacteria on soil P, phosphatase activity, P uptake and yield of sweet corn (*Zea mays* var. *saccharata* Sturt L.) in ultisols and andisols
B.N. Fitriatin and D. Maulana

16⁴⁵ – 17⁰⁰

Discussion

17⁰⁰ – 17³⁰

Coffee Break

TUESDAY, MAY 15th

Okyanus Hall

17³⁰ – 19⁰⁰

Theme: Policies for soil health management in agriculture

Okyanus Hall

17³⁰ – 19⁰⁰

3rd Session Chair: Dr. İlkez Uz (Turkey)

Okyanus Hall

17³⁰ – 17⁴⁵

ege144

Correlation between aggregate stability and microbiological activity in two Russian soil types
M.I. Umer and S.M. Rajab

17⁴⁵ – 18⁰⁰

ege260

Influence of arbuscular mycorrhizal fungi and micronutrients deficiency on tomato and sorghum dry weights in perlite culture medium
E. Shirmohammadi, N. Aliasgharzad, S. Oustan, N. Najafi and B. Shirmohammadi

18⁰⁰ – 18¹⁵

ege418

Effect of different tillage methods on the germination, grain yield and harvest index of two barley (*Hordeum vulgare* L.) cultivars
M. Tariqhaleslami and S.N. Hesar Amir

18¹⁵ – 18³⁰

ege644

Soil petroleum hydrocarbon contamination cleanup by bioremediation
S.S. Alikhani, M. Shorafa, A. Asgharzadeh and S. Masiha

18³⁰ – 18⁴⁵

ege765

Co-inoculation effects of P- solubilizer (PSM) and plant growth promoting rhizobacteria (PGPR) on root and shoot growth in corn (*Zea mays* L.)
M. Yazdani and H. Pirdashti

18⁴⁵ – 19⁰⁰

Discussion

19⁰⁰ – 20⁰⁰

POSTER SESSIONS

Yunus Hall

20⁰⁰ – 21³⁰

Dinner

Izmir - TURKEY

TUESDAY, MAY 15th

Gerence I

13³⁰ – 19⁰⁰

Theme: Soil and water conservation

Gerence I

13³⁰ – 15⁰⁰

1st Session Chair: Dr. Günay Erpul (Turkey)

Gerence I

13³⁰ – 13⁴⁵

ege143

Soil salinity under deficit drip irrigation of potato and millet in arid conditions of Tunisia
K. Naqaz, M.M. Masmoudi and N.B. Mechlla

13⁴⁵ – 14⁰⁰

ege242

Wind soil erosion in Ukraine: prediction and control
V. Kolyada

14⁰⁰ – 14¹⁵

ege847

A result-oriented approach on land use planning and conservation of large plains in Turkey: concerns and solutions proposed by TEMA foundation
M.S. Sarıgül and M. Gürbüz

14¹⁵ – 14³⁰

ege270.1

Wind erosion control of soils using polymeric materials
M. Movahedan, N. Abbasi and M. Keramati

14³⁰ – 14⁴⁵

ege824

Detailed investigation of relationships between aggregate breakdown mechanisms and soil organic carbon contents under rainfall simulation conditions during certain time periods
S. Deviren Saygın and G. Erpul

14⁴⁵ – 15⁰⁰

Discussion

15⁰⁰ – 15³⁰

Coffee Break

15³⁰ – 17⁰⁰

2nd Session Chair: Dr. Orhan Dengiz (Turkey)

Gerence I

15³⁰ – 15⁴⁵

ege163

Comparison of empirical models to estimate soil erosion and sediment yield in micro catchments
L. Issazadeh, E. Borushkeh and R. Sokouti Oskuee

15⁴⁵ – 16⁰⁰

ege182.1

Aggregate stability as an indicator of soil crusting, soil erodibility and erosion
S. Djamel

16⁰⁰ – 16¹⁵

ege846

Relations between erosion and water and the case of Eskisehir
H. Güngör and D. Dudu

16¹⁵ – 16³⁰

ege747.2

Effect of polyacrylamide (PAM) on physical properties related to germination in an agricultural marl soil in north west of Iran
A.R. Vaezi, S. Tohidlou and M.H. Mohammadi

16³⁰ – 16⁴⁵

ege437.1

Investigating regional model for estimating gully volume using watershed and gully characteristics
A. Mehdipour, M. Soufi and H. Ahmadi

16⁴⁵ – 17⁰⁰

Discussion

17⁰⁰ – 17³⁰

Coffee Break

TUESDAY, MAY 15th

Gerence I

17³⁰ – 19⁰⁰

3rd Session Chair: Dr. Josef H. Görres (*the USA*)

Gerence I

17³⁰ – 17⁴⁵

ege263

Evaluation and modification of chemical approach for determination of dispersion potential of soils

N. Abbasi, M.H. Nazifi, S. Azarneshan and M. Movahedan

17⁴⁵ – 18⁰⁰

ege267.1

Infiltration capacity enhancement in recharge basins through gypsum application

M.J. Rousta, M.R. Dehghani and S.A. Kowsar

18⁰⁰ – 18¹⁵

ege586

A proposed model to determine the river protection zones in the water basin areas in Istanbul

F. Peker

18¹⁵ – 18³⁰

ege749

Rainfall erosivity factor (r) values determined from daily rainfall data and its annual distribution in Balıkesir-Bigadiç Kocadere creek watershed

G. Yılmaz, C.O. Acar, H. Uysal and N. Özden

18³⁰ – 18⁴⁵

ege774

Balancing vermicomposting benefits with conservation of soil and ecosystems at risk of earthworm invasions

J.H. Görres and K. Bellitürk

18⁴⁵ – 19⁰⁰

Discussion

19⁰⁰ – 20⁰⁰

POSTER SESSIONS

Yunus Hall

20⁰⁰ – 21³⁰

Dinner

Izmir - TURKEY

TUESDAY, MAY 15th

Gerence II

13³⁰ – 17⁰⁰

Theme: Soil properties and modeling

Gerence II

13³⁰ – 15⁰⁵

1st Session Chair: Dr. Evgeny Victorivich Shein (Russia)

Gerence II

13³⁰ – 13⁴⁵

ege229.2

Evaluation of factors affecting soil cone index and determination of mathematical model for prediction of soil cone index using multiple-regression model

Y. Abbaspour-Gilandeh, A. Shaygani-Soltanpour, A. Golmohammadi, F. Rahimi-Ajdadi and F. Qahari-Kermani

13⁴⁵ – 14⁰⁰

ege369.2

Numerical modeling of solute transport in machinery compacted soils

H. Ahmadi, V.R. Verdinejad, K. Zeynalzadeh and B. Habibzadeh

14⁰⁰ – 14¹⁵

ege429

Modeling of nitrate leaching from a potato field using HYDRUS-2D

H. Shekofteh, M. Afyuni, M.A. Hajabbasi, Bo V. Iversen, H. Nezamabadi-pour, F. Abassi and F. Sheikholeslam

14¹⁵ – 14³⁰

ege504.2

Modeling water retention curve using decision trees and support vector machines

A. Haqhverdi, H.S. Ozturk and S. Ghodsi

14³⁰ – 14⁵⁵

ege422

Modern methods in physics of solid phase of soils

E. Shein

14⁵⁵ – 15⁰⁵

Discussion

15⁰⁰ – 15³⁰

Coffee Break

15³⁰ – 17⁰⁰

2nd Session Chair: Dr. Irina Mikheeva (Russia)

Gerence II

15³⁰ – 15⁴⁵

ege237

Hill slope saturated hydraulic conductivity: comparison of various methods

M. Raoof

15⁴⁵ – 16⁰⁰

ege384.1

Estimating soil water retention curve in sugarcane agro-industry of Iran by adaptive neuro-fuzzy inference system

F. Moradi, B. Khalilmoqhadam, S. Jafari and S. Ghorbanidashtaki

16⁰⁰ – 16¹⁵

ege395

Simulation of soil water and soluble salts in deficit irrigation for a number of crops (case study of southwest of Khuzistan, Iran)

S. Alinejad, F. Kaveh and R.J. Oosterbaan

16¹⁵ – 16³⁰

ege603.2

Temporal changes in some soil hydraulic properties in an alfalfa field

E. Demiray, G. Karahan and S. Erşahin

16³⁰ – 16⁴⁵

ege791

Probabilistic models and indicators of stability and changeability of soil properties under contemporary processes

I. Mikheeva

16⁴⁵ – 17⁰⁰

Discussion

17⁰⁰ – 17³⁰

Coffee Break

TUESDAY, MAY 15th

Gerence II

17³⁰ – 19⁰⁰

Theme: Wetland soils and climate change

Gerence II

17³⁰ – 19⁰⁰

3rd Session Chair: Dr. Richard Dick (*the USA*)

Gerence II

17³⁰ – 17⁴⁵

ege137.1

Analysis of temperature and rainfall procedure as indicators of climate change in the northwest of Iran with Mann-Kendal method
M.S. Jamalabad, A. Pakpour, L. Shojaeifar and A. Morovvat

17⁴⁵ – 18⁰⁰

ege298.1

Detection of dependencies between oceanic – atmospheric and climatic parameters in order to monitoring drought using data-minig techniques (case study: Khuzestan province)
M. Nikzad, Y. Hassani and M. Jalali

18⁰⁰ – 18¹⁵

ege298.2

Evaluation of large scale climate signals and sea surfaces temperature for drought forecasting by artificial neural network in the Khuzestan province, Iran
M. Nikzad, Y. Hassani, M. Jalali and S. Jafari mianaei

18¹⁵ – 18³⁰

ege450.3

The influence of distance of the horizontal pipe drainage on moisture dynamics of soil types pseudogley
R. Pivić, A. Stanojkovic, N. Đurović and Ž. Dželetović

18³⁰ – 18⁴⁵

ege864

Sensitivity to desertification in Lebanon in view of biogeophysical factors and climate change
T.M. Darwish, P. Zdruli, R. Saliba, M. Awad, A. Shaban and G. Faour

18⁴⁵ – 19⁰⁰

Discussion

19⁰⁰ – 20⁰⁰

POSTER SESSIONS

Yunus Hall

20⁰⁰ – 21³⁰

Dinner

Izmir - TURKEY

TUESDAY, MAY 15th

Denizkızı II

13³⁰ – 19⁰⁰

Theme: Soil and water pollution

Denizkızı II

13³⁰ – 15⁰⁰

1st Session Chair: Dr. Nazmi Oruç (Turkey)

Denizkızı II

13³⁰ – 13⁴⁵

ege258.5

High biomass *Chenopodium album* L. is a suitable weed for remediation of lead-contaminated soils
M. Mazhari, L. Faridian, Z. Mansouri and B. Bahramian

13⁴⁵ – 14⁰⁰

ege371

Investigation of biosorption for acetylsalicylic acid by live activated sludge
S. Savci and M. Basibuyuk

14⁰⁰ – 14¹⁵

ege775

Methodology for the detection of contamination by hydrocarbons and further soil sampling for volatile and semi-volatile organic enrichment in former petrol stations, se Spain
R.M. Rosales Aranda, P. Martinez-Pagán and A.F. Cano

14¹⁵ – 14³⁰

ege627

Effects of inoculation of fluorescent pseudomonads with ACCD activity on plant growth and Zn uptake by barley and canola
J. Baharlouei, K. Khavazi and H. Ghane

14³⁰ – 14⁴⁵

ege855

High arsenic water problems in Emet-Kütahya, Turkey: a review
N. Oruç

14⁴⁵ – 15⁰⁰

Discussion

15⁰⁰ – 15³⁰

Coffee Break

15³⁰ – 17⁰⁰

2nd Session Chair: Dr. Theodore Karyotis (Greece)

Denizkızı II

15³⁰ – 15⁴⁵

ege350

The effects of Cd polluted soil on nitrogen fixation of native strains of *sinorhizobium meliloti* and yield of alfalfa
E. Memar-kuchebagh and H. Besharati

15⁴⁵ – 16⁰⁰

ege603.1

Potentially toxic elements of volcanic ash soils in Middle Anatolia region of Turkey
K. Kılıç and G. Karahan

16⁰⁰ – 16¹⁵

ege689.2

Groundwater quality of Assini and Iria valleys in Peloponnese region, Greece
M. Psychoyoy, S. Rizos and A. Sgoubopoulou

16¹⁵ – 16³⁰

ege102

Assessment of nitrification in different soil texture affected by various concentration of pesticides
D. Darwesh Muhamad

16³⁰ – 16⁴⁵

ege900

Implementation of nitrates directive in Turkey
T. Karyotis, A. Panagopoulos, N. Celik, K.A. Kassapi, E. Tziritis, S. Demir and H. Bilgin Yildirim

16⁴⁵ – 17⁰⁰

Discussion

17⁰⁰ – 17³⁰

Coffee Break

TUESDAY, MAY 15th

Denizkızı II

17³⁰ – 19⁰⁰

3rd Session Chair: Dr. Abdulla Saparov (Kazakhstan)

Denizkızı II

17³⁰ – 17⁴⁵

ege364

Emergent pollutants in soil amendments: treatment of antibiotics in sewage sludge and animal manure

N. Bilgin Öncü, H.M. Ötker Uslu and I. Akmehmet Balcıoğlu

17⁴⁵ – 18⁰⁰

ege401.2

The effects of cadmium contaminations on the properties of *Amaranthus retroflexus* L.

F. Sarani

18⁰⁰ – 18¹⁵

ege781.2

Pollution of irrigated arable land by heavy metals

A.S. Saparov and B.U. Suleimenov

18¹⁵ – 18³⁰

18³⁰ – 18⁴⁵

18⁴⁵ – 19⁰⁰

Discussion

19⁰⁰ – 20⁰⁰

POSTER SESSIONS

Yunus Hall

20⁰⁰ – 21³⁰

Dinner



WEDNESDAY, MAY 16th**Ballroom**07⁰⁰ – 19⁰⁰**REGISTRATION**08³⁰ – 17⁰⁰**PARALLEL SCIENTIFIC SESSIONS***All Halls*08³⁰ – 17⁰⁰**FREE POSTER SESSIONS***Yunus Hall*17⁰⁰ – 19⁰⁰**POSTER EVALUATION***Yunus Hall*10³⁰ – 17⁰⁰**Extension of the European Soil Database Workshop***Denizkızı III*13³⁰ – 16³⁰**SCIENTIFIC EXCURSION (Study on Soil Profiles)**08³⁰ – 12⁰⁰**Theme: Land degradation, remediation and reclamation***Ballroom*08³⁰ – 10⁰⁰**1st Session Chair: Ángel Faz Cano (Spain)***Ballroom*08³⁰ – 08⁴⁵**ege137.2**

Evaluation of environmental problems of Urmia lake in the north west of Iran

*M.S. Jamalabad, A. Pakpour, L. Shojaeifar and A. Morovvat*08⁴⁵ – 09⁰⁰**ege447**

The treatment of chlorophene-contaminated soil in columns by combined application of persulfate and biosurfactant

*N. Bilgin Öncü, M. Viisimaa, M. Trapido, I. Akmeahmet Balcıoğlu and A. Goi*09⁰⁰ – 09¹⁵**ege666**

The effect of agricultural abandonment on organic C and total N in rangeland ecosystems of Chaharmahal and Bakhtiari province in central Iran

*S.S. Gilani, F. Raiesi and P. Tahmasebi*09¹⁵ – 09³⁰**ege233**

Geochemical evolution of the soil solution in contact with water with a residual alkalinity calcite positive in controlled conditions (application in lower-Cheliff)

*A. Noureddine, A. Bradai and Z. Hamel*09³⁰ – 09⁴⁵**ege642.2**

Heavy metal dynamics and microbial activity after remediation of a mine tailing pond in SE Spain

*R. Zornoza, Á.F. Cano, D.M. Carmona, J.A. Acosta, S. Martínez-Martínez and S. Kabas*09⁴⁵ – 10⁰⁰**Discussion**10⁰⁰ – 10³⁰**Coffee Break**

WEDNESDAY, MAY 16th

Ballroom

10³⁰ – 12⁰⁰

2nd Session Chair: Dr. Coşkun Gülser (Turkey)

Ballroom

10³⁰ – 10⁴⁵

ege318

Assessment and mapping of degraded lands in the desert environment of Abu Dhabi using geoinformation technologies
M.A. Abdelfattah

10⁴⁵ – 11⁰⁰

ege347

Determination of soil behavior under tractor tire using strain transducer
G. Shahgoli, M. Aboali and Y.A. Gilandeh

11⁰⁰ – 11¹⁵

ege425.2

Effect of planting density on the agronomic traits of rapeseed cultivars (*Brassica napus* L.)
S.J. Mousavi, M. Sam-Daliri and H. Bagheri

11¹⁵ – 11³⁰

ege688

Changes in penetration resistance of a clay field with organic waste applications
C. Gülser and F. Candemir

11³⁰ – 11⁴⁵

11⁴⁵ – 12⁰⁰

Discussion

12⁰⁰ – 13³⁰

Lunch

13³⁰ – 16³⁰

SCIENTIFIC EXCURSION (Study on Soil Profiles)



WEDNESDAY, MAY 16th**Ballroom****13³⁰ – 17⁰⁰****Theme: Nutrient management for soil sustainability, food security and human health***Ballroom***13³⁰ – 15⁰⁰****3rd Session Chair: Dr. Süleyman Taban (Turkey)***Ballroom***13³⁰ – 13⁴⁵****ege120**Effect of addition of date palm wastes and rice hull to the soil on growing indices of cucumber in greenhouse culture
*A.M. Ghahsareh, M. Hematian and N. Mohammadi***13⁴⁵ – 14⁰⁰****ege133**Integrated plant nutrient supply and management strategies for combating land degradation and sustaining crop productivity: lessons from long-term fertilizer experiments
*A. Swarup***14⁰⁰ – 14¹⁵****ege151**Vermicomposting of sugarcane bagasse and rice straw and its effect on growth of (*Phaseolus vulgaris* L.)
*A.A. Ansari***14¹⁵ – 14³⁰****ege330.2**Effect of salt treatment on micorrhization extent and water relations of pistachio seedlings (*pistacia vera* cv.Badami-Riz-zarand)
*M.H. Shamshiri, F. Pourizadi, H.R. Roosta and H.R. Karimi***14³⁰ – 14⁴⁵****ege849**Effect of boron on cell wall boron and calcium concentrations of wheat
*S. Taban and M.A. Turan***14⁴⁵ – 15⁰⁰****Discussion****15⁰⁰ – 15³⁰****Coffee Break****15³⁰ – 17⁰⁰****4th Session Chair: Dr. Amanullah Khan (Pakistan)***Ballroom***15³⁰ – 15⁴⁵****ege148**Effect of potassium sulfate on water deficit tolerance in some crops
*M. Yarnia, M.B. Khorshidi Benam, S. Khosravi Far, S. Rahimi and E. Mozaffari***15⁴⁵ – 16⁰⁰****ege773**Effects of long-term N, P, K fertilization on metal transition from soil to plant and determination of pseudo total metal contents by different microwave assisted extraction procedures
*S. Öztan and R.A. Düring***16⁰⁰ – 16¹⁵****ege391**Phosphorus availability in Malagasy Ferralsols under *Vigna subterranea* and *Oryza sativa*. a perspective for a “tanety” valorization
*A. Andry, M.P. Razafimanantsoa, M. Dominique and L. Rabeharisoa***16¹⁵ – 16³⁰****ege427.1**Response of rice to phosphate solubilizing *Pseudomonas* inoculation under phosphorus deficiency condition
*M.R. Ramezanpour***16³⁰ – 16⁴⁵****ege114**Genotypic differences in maize profitability “hybrid” vs. “local cultivars” applied with variable rates of different nitrogenous fertilizer sources
*A. Khan***16⁴⁵ – 17⁰⁰****Discussion****17⁰⁰ – 19⁰⁰****POSTER EVALUATION***Yunus Hall***20⁰⁰ – 22⁰⁰****Gala Dinner****WEDNESDAY, MAY 16th****Okyanus Hall**

08 ³⁰ – 17 ⁰⁰	Theme: Nutrient management for soil sustainability, food security and human health		<i>Okyanus Hall</i>
08 ³⁰ – 10 ⁰⁰	1st Session Chair: Dr. Cengiz Kaya (Turkey)		<i>Okyanus Hall</i>
08 ³⁰ – 08 ⁴⁵	ege300.1	Distribution zinc in calcareous soils of Iran and its relation to organic matter <i>H. Ghane, M. Araj Shirvani, J. Baharlouei and H. Amini</i>	
08 ⁴⁵ – 09 ⁰⁰	ege805	Evaluation of fertility status of cotton soils in the Soke region <i>N.T. Barlas and M. Tepecik</i>	
09 ⁰⁰ – 09 ¹⁵	ege528	Accumulation rate of heavy metals (As, Cd, Cu, Zn, Cr, Hg, Se, Pb and Ni) in soils of Hamedan province, Iran and most affecting factors on this accumulation <i>M. Yeganeh, M. Afyuni, A.H. Khoshgoftarmansh, M. Amini, A. Soffyanian and R. Schulin</i>	
09 ¹⁵ – 09 ³⁰	ege191.2	Water use efficiency of alfalfa as affected by nitrogen fertilizer in salinity stress <i>A. Ebadi, Sh. F. Abbasi, S. Khomari and S. Sanayee</i>	
09 ³⁰ – 09 ⁴⁵	ege808	The use of some organic and inorganic substances to reduce phosphorus fixation <i>C. Kaya, O. Sonmez, S. Aydemir and A.L. Tuna</i>	
09 ⁴⁵ – 10 ⁰⁰	Discussion		
10 ⁰⁰ – 10 ³⁰	Coffee Break		
10 ³⁰ – 12 ⁰⁰	2nd Session Chair: Dr. İbrahim Yokaş (Turkey)		<i>Okyanus Hall</i>
10 ³⁰ – 10 ⁴⁵	ege274.1	Effects of zinc fertilizer and enriched vermicompost on zinc uptake, yield, yield components and some agronomic characteristics in barley <i>H. Seyedashrafy, M. Majidian, A.H. Baghaie, N. Majidian and M. Gomarian</i>	
10 ⁴⁵ – 11 ⁰⁰	ege421	Effects of native rhizobium bacteria on yield components of dry bean <i>Ü. Karaca and R. Uyanöz</i>	
11 ⁰⁰ – 11 ¹⁵	ege315	The combined effects of super absorbent polymers and manure on availability of macro and micronutrients in a calcareous soil <i>S.H. Khadem, M.J. Roustae, M. Tourtiz, S. Mohsen Siadat and S.A. Khadem</i>	
11 ¹⁵ – 11 ³⁰	ege389.1	Response of durum wheat to nitrogen and plant density in dry matter remobilization <i>R. Zabihi-e-Mahmoodabad and S. Jamaati-e-Somarin</i>	
11 ³⁰ – 11 ⁴⁵	ege841	Effects of different amounts of nitrogen and potassium nutrition on nutrient content, plant growth and quality of <i>limonium sinuatum</i> <i>H. Akat, H. Altunlu, B. Çolak Esetlili, I. Yokaş and R. Kılınç</i>	
11 ⁴⁵ – 12 ⁰⁰	Discussion		
12 ⁰⁰ – 13 ³⁰	Lunch		
13 ³⁰ – 16 ³⁰	SCIENTIFIC EXCURSION (Study on Soil Profiles)		

WEDNESDAY, MAY 16th

Okyanus Hall

13 ³⁰ – 15 ⁰⁵	3rd Session Chair: Dr. İbrahim Ortaş (<i>Turkey</i>)	<i>Okyanus Hall</i>
13 ³⁰ – 13 ⁴⁵	ege183.2 Unbalanced nitrogen application induced short storage life and rapid fruit softening during storage in kiwifruit in north of Iran <i>M. Ashouri, R. Ebrahimi, M. Ghasemnezhad and A. Sabouri</i>	
13 ⁴⁵ – 14 ⁰⁰	ege191.3 Effect of mineral nitrogen on compatible ions of alfalfa under water deficit condition <i>A. Ebadi, S. Sanayee, M. Sedghi, A.Gh. Gholipori and Sh.F. Abbasi</i>	
14 ⁰⁰ – 14 ¹⁵	ege274.2 Zn availability of two wheat cultivars in soil amended with organic and inorganic Zn sources <i>H. Tarighi, M. Majidian, A.H. Baghaie and M. Gomarian</i>	
14 ¹⁵ – 14 ³⁰	ege300.2 Effect of air pollution on some biochemical characteristics of plant species <i>H. Ghane, M.A. Shirvani, H. Amini, A.A. Esfahani and M.M. Sadeghian</i>	
14 ³⁰ – 14 ⁵⁵	ege738.2 Mycorrhizae inoculated vegetable seedling production and use for field experiments for ecological farming <i>I. Ortas</i>	
14 ⁵⁵ – 15 ⁰⁵	Discussion	
15 ⁰⁰ – 15 ³⁰	Coffee Break	
15 ³⁰ – 17 ⁰⁰	4th Session Chair: Dr. Diogenes Luis Antille (<i>the UK</i>)	<i>Okyanus Hall</i>
15 ³⁰ – 15 ⁴⁵	ege559.1 Phosphate and calcium adsorption interactions on kaolinite: 1. phosphate adsorption as function of equilibrium concentration, pH, and ionic strength <i>F. Aghamir, R. Rahnemaie and M.J. Malakouti</i>	
15 ⁴⁵ – 16 ⁰⁰	ege507.1 Effects of phosphate solubilizing microorganisms and phosphorus chemical fertilizer on yield and yield components of wheat <i>S. Ramzani Movafagh and A.R. Fallah</i>	
16 ⁰⁰ – 16 ¹⁵	ege784 Comparison of soil nitrate analysis methods <i>M. Tepecik, N.T. Barlas and H. Hakerlerler</i>	
16 ¹⁵ – 16 ³⁰	ege171.1 Effects of organomineral fertilisers (OMF), urea and biosolids granules on crop and soil established with rye grass (<i>Lolium perenne</i> L.) in pots <i>D.L. Antille, R. Sakrabani and R.J. Godwin</i>	
16 ³⁰ – 16 ⁴⁵		
16 ⁴⁵ – 17 ⁰⁰	Discussion	
17 ⁰⁰ – 19 ⁰⁰	POSTER EVALUATION	<i>Yunus Hall</i>
20 ⁰⁰ – 22 ⁰⁰	Gala Dinner	

WEDNESDAY, MAY 16th**Gerence I****08³⁰ – 08⁰⁰****Theme: Soil and water conservation***Gerence I***08³⁰ – 08⁰⁵****1st Session Chair: Dr. Taşkın Öztaş (Turkey)***Gerence I***08³⁰ – 08⁴⁵****ege164**

Relationships among environmental factors influencing soil erosion using gis (Khiyav Chay watershed, Ardabil province)
M. Barmaki, E. Pazira and A. Esmali

08⁴⁵ – 09⁰⁰**ege743.1**

Numerical investigation on the gully erosion and sediment yield of the Khiyav Chayi watershed in Meshkin shar using gis (Ardabel-Iran)
M. Abedini

09⁰⁰ – 09¹⁵**ege173.2**

Topographic threshold conditions for initiation of gully erosion in the Reyhanlou region of west Azarbaijan-Iran

09¹⁵ – 09³⁰**ege754**

N. Balandeh, A. Ahmadi, S.R. Reylanynia, A. Izadi and U. Dadashpour
Investigation of water requirement of wheat on different soil types using rs and gis
O. Ozcan, N. Musaoglu, C. Ormeci, D.Z. Seker, Y.Kurucu and B. Ustundag

09³⁰ – 09⁵⁵**ege289.1**

Mean weight aggregate stability; is it soundfull?
E.L. Aksakal and T. Oztas

09⁵⁵ – 10⁰⁵**Discussion****10⁰⁰ – 10³⁰**

Coffee Break

10³⁰ – 12⁰⁰**2nd Session Chair: Dr. Yasemin Kavdır (Turkey)***Gerence I***10³⁰ – 10⁴⁵****ege220.2**

An investigation on the effect of aquifer management on the quality and quantity of range (product, density, soil conservation, soil cover and plants canopy cover) in Kohdasht aquifer
S.A. Javadi, R. Siahmansour, K. Behrahi and M. Ebrahimi

10⁴⁵ – 11⁰⁰**ege845**

Soil conservation and land use act, content, process of preparation and implementation
H. Dursun

11⁰⁰ – 11¹⁵**ege683**

Cadmium sorption from aqueous solutions onto an iranian sepiolite: kinetics and isotherms
S. Hojati and H. Khademi

11¹⁵ – 11³⁰**ege236**

Effect of different densities of pigweed on soybean water requirements
A. Gholipouri, N. Nazari and A. Rasolzadeh

11³⁰ – 11⁴⁵**ege548**

A new soil water retention technology: retaining soil water and nutrients and the plant root zone
Y. Kavdir, K. Demirel and A.J.M. Smucker

11⁴⁵ – 12⁰⁰**Discussion****12⁰⁰ – 13³⁰**

Lunch

13³⁰ – 16³⁰**SCIENTIFIC EXCURSION (Study on Soil Profiles)****17⁰⁰ – 19⁰⁰****POSTER EVALUATION***Yunus Hall***20⁰⁰ – 22⁰⁰**

Gala Dinner

WEDNESDAY, MAY 16th**Gerence II****08³⁰ – 10⁰⁰****Theme: Soil properties and modeling***Gerence II***08³⁰ – 10⁰⁰****1st Session Chair: Dr. Hasan Sabri Öztürk (Turkey)***Gerence II*08³⁰ – 08⁴⁵

ege800

Water retention as influenced by superabsorbent polymers in soils with different textures

*H. Ramazanifar, N. Yazdanpanah, M. Mahmoodabadi and A. Neshat*08⁴⁵ – 09⁰⁰

ege793

Morphological classification of humus forms in mixed beech forests, north of Iran

*S.M. Waez-Mousavi and H. Habashi*09⁰⁰ – 09¹⁵

ege390

Impact of off-road driving by game drive vehicles on soils in an area in the Kruger national park, South Africa

*G.P. Nortjé, W. van Hoven, M.C. Laker and J. van der Waals*09¹⁵ – 09³⁰

ege580.1

Comparison of several infiltration models in some semi-arid region soils

*S. Razzaghi, H. Khodaverdiloo and Sh. Ghorbani Dashtaki*09³⁰ – 09⁴⁵

ege854

Modeling saturated hydraulic conductivity using decision tree and artificial neural network

*A. Haghverdi, H.S. Ozturk and S. Ghodsi***09⁴⁵ – 10⁰⁰****Discussion****10⁰⁰ – 10³⁰**

Coffee Break

10³⁰ – 12⁰⁰**2nd Session Chair: Dr. Panos Panagos (Italy)***Gerence II*10³⁰ – 10⁴⁵

ege205

Estimate of the structural stability using the pedotransfert functions: application to cheliff soils (Algeria)

*H. Zineb and D. Saidi*10⁴⁵ – 11⁰⁰

ege367

Determination of dispersion coefficient at homogenous sandy soil

*A.A. Kamanbedast*11⁰⁰ – 11¹⁵

ege369.1

Influence of deformation rate on permeability of soft clays

*H. Ahmadi, H. Rezaei, V.R. Verdinejad and J. Behmanesh*11¹⁵ – 11³⁰

ege760

Distribution of some chemical soil properties using geostatistical methods in vertisol

*M. Sağlam, O. Dengiz, F.E. Sarioğlu, F. Saygin, C. Elgin and Ç. Atasoy*11³⁰ – 11⁴⁵

ege821.2

The role of European soil data centre (ESDAC) to European policy support and public data requirements

*P. Panagos, M. Van Liedekerke, Y. Yigini, L. Montanarella and A. Jones***11⁴⁵ – 12⁰⁰****Discussion****12⁰⁰ – 13³⁰**

Lunch

13³⁰ – 16³⁰**SCIENTIFIC EXCURSION (Study on Soil Profiles)****17⁰⁰ – 19⁰⁰****POSTER EVALUATION***Yunus Hall***20⁰⁰ – 22⁰⁰**

Gala Dinner

WEDNESDAY, MAY 16th**Denizkızı II****08³⁰ – 10⁰⁰** **Theme: Soil and water pollution** *Denizkızı II***08³⁰ – 10⁰⁰** **1st Session Chair: Dr. Osman Sönmez (Turkey)** *Denizkızı II***08³⁰ – 08⁴⁵** **ege174** Effect of irrigation with sewage sludge on heavy metals movement in the soil profiles*A. Behbahaninia and S.A. Mirbagheri***08⁴⁵ – 09⁰⁰** **ege325** Interaction between cross-linked polyacrylamide and water and solute flow in a sand and loam*M.Ü. Oyman, S. Erşahin and S. Sünal***09⁰⁰ – 09¹⁵** **ege526.2** Effects of pig slurry application on heavy metal concentration in undisturbed soil column*A. Büyükkılıç Yanardağ, A.R. Mermut, Á.F. Cano, and İ.H. Yanardağ***09¹⁵ – 09³⁰** **ege258.4** Chenopodium album can remediate contaminated soils*L. Motamedi, M. Mazhari and V. Bayramzadeh***09³⁰ – 09⁴⁵** **ege750** Effects of tillage, phosphorus rate, and irrigation efficiency on phosphorus runoff losses in a furrow irrigated cotton field*O. Sönmez, S. Aydemir, C. Kaya, O. Çopur and S. Gerçek***09⁴⁵ – 10⁰⁰** **Discussion****10⁰⁰ – 10³⁰** Coffee Break**10³⁰ – 12⁰⁰** **Theme: Deforestation, overgrazing and desertification** *Denizkızı II***10³⁰ – 12⁰⁰** **2nd Session Chair: Dr. Mohsen Nael (Iran)** *Denizkızı II***10³⁰ – 10⁴⁵** **ege557** Deforestation effects on some soil properties in north of Iran
*A. Bahrami, F. Aghamir, F. Bagheri, M.R. Atashi and M.S. Shahrestani***10⁴⁵ – 11⁰⁰** **ege837** A new approach on combating desertification and erosion in Turkey
*H. Avcı***11⁰⁰ – 11¹⁵** **ege861** Reforestation possibilities in the abandoned boron mine in Günevi, Bigadiç
*M. Sayman, G. Akbin, M. Kılıcı and D. Semizer Cuming***11¹⁵ – 11³⁰** **ege558** In-situ wind erosion measurement and soil loss estimation: Karapınar case study
*M. Başaran, A.U. Özcan, O. Uzun, G. Erpul, S. Saygın Deviren and F. Youssef***11³⁰ – 11⁴⁵** **ege353** Evaluation of soil degradation in different rangeland management systems via a soil quality approach in central Iran
*M. Nael, H. Khademi and J. Mohammadi***11⁴⁵ – 12⁰⁰** **Discussion****12⁰⁰ – 13³⁰** Lunch**13³⁰ – 16³⁰** **SCIENTIFIC EXCURSION (Study on Soil Profiles)****17⁰⁰ – 19⁰⁰** **POSTER EVALUATION** *Yunus Hall***20⁰⁰ – 22⁰⁰** Gala Dinner

WEDNESDAY, MAY 16th

Yunus Hall

17⁰⁰ – 19⁰⁰

POSTER EVALUATION SESSIONS

Yunus Hall

CORRIDOR 1

Theme: Land degradation, remediation and reclamation

Chair: Dr. Ahmet Mermut (Turkey)

CORRIDOR 2

Themes: Land degradation, remediation and reclamation, Soil and water pollution

Chair: Dr. Pandi Zdruli (Italy)

CORRIDOR 3

Theme: Soil and water pollution

Chair: Dr. Bülent Okur (Turkey)

CORRIDOR 4

Themes: Deforestation, overgrazing and desertification, , Policies for soil health management in agriculture, Soil and water pollution

Chair: Dr. Fariz Mikayilov (Turkey)

CORRIDOR 5

Themes: Soil genesis and classification, Soil properties and modeling

Chair: Dr. Sergey Shoba (Russia)

CORRIDOR 6

Themes: Soil and water conservation, Wetland soils and climate change

Chair: Dr. Nazmi Oruç (Turkey)

CORRIDOR 7

Themes: Carbon sequestration and management, Geo-spatial/remote sensing technologies for soil management, Impact of climate change on soils, Socio-economic aspects of sustainable land/soil management

Chair: Dr. Ridvan Kızılkaya (Turkey)

CORRIDOR 8

Theme: Nutrient management for soil sustainability, food security and human health

Chair: Dr. Hasan Dursun (Turkey)

CORRIDOR 9

Theme: Nutrient management for soil sustainability, food security and human health

Chair: Dr. Dilek Anaç (Turkey)

CORRIDOR 10

Theme: Nutrient management for soil sustainability, food security and human health

Chair: Dr. Majid Majidian (Iran)

THURSDAY, MAY 17 th		Ballroom
08 ³⁰ – 17 ⁰⁰	PARALLEL SCIENTIFIC SESSIONS	All Halls
08 ³⁰ – 17 ⁰⁰	FREE POSTER SESSIONS	Yunus Hall
10 ³⁰ – 17 ⁰⁰	LECTURE SESSIONS	Denizkızı I
08 ³⁰ – 17 ⁰⁵	Theme: Land degradation, remediation and reclamation	Ballroom
08 ³⁰ – 10 ⁰⁵	1 st Session Chair: Dr. Franco Previtalli (Italy)	Ballroom
08 ³⁰ – 08 ⁴⁵	<p>ege351 Land degradation assessment in dry land according to LADA project approach Tunisia case study (Gouvernorat of Kasserine) <i>A. Rafla, .H. Ben châabane, H. Hamrouni and S. Bunning</i></p>	
08 ⁴⁵ – 09 ⁰⁰	<p>ege743.2 Landslide hazard zonation on the in the Khiyav Chay watershed using analytic hierarchical processes (AHP) using Arc GIS (Azerbaijan -Iran) <i>M. Abedini</i></p>	
09 ⁰⁰ – 09 ¹⁵	<p>ege527 Determination of land use problems in two protected areas (Ayder and Kafkasör) in northeast of Turkey <i>T. Yüksek, F. Yüksek, M. Çilli and D. Dinçer</i></p>	
09 ¹⁵ – 09 ³⁰	<p>ege865 Soil resources and anthropic threats to the Mediterranean ecosystems <i>F. Previtalli</i></p>	
09 ³⁰ – 09 ⁵⁵		
09 ⁵⁵ – 10 ⁰⁵	Discussion	
10 ⁰⁵ – 10 ³⁰	Coffee Break	
10 ³⁰ – 12 ⁰⁰	2 nd Session Chair: Dr. Salih Aydemir (Turkey)	Ballroom
10 ³⁰ – 10 ⁴⁵	<p>ege360 Degradation of biological properties of soil through salinity <i>Z. Shah and S.A. Shah</i></p>	
10 ⁴⁵ – 11 ⁰⁰	<p>ege368.1 Land degradation impacts on soil quality of different land uses in Central Zagros, Isfahan, Iran <i>A. Jalalian, B. Aghasi, N. Honarjoo and N. Saadat</i></p>	
11 ⁰⁰ – 11 ¹⁵	<p>ege609 Phosphorous leaching and concentration distribution in a tile drained soil profile using soil solution samplers <i>R. Akis</i></p>	
11 ¹⁵ – 11 ³⁰	<p>ege810 Effect of biochars on salinity stress on germination and seedling properties of drum wheat (<i>T. drum desf.</i>) <i>S. Aydemir, E.P. Saygan, O. Sönmez, C. Kaya and A.V. Bilgili</i></p>	
11 ³⁰ – 11 ⁴⁵		
11 ⁴⁵ – 12 ⁰⁰	Discussion	
12 ⁰⁰ – 13 ³⁰	Lunch	

THURSDAY, MAY 17th**Ballroom****13³⁰ – 15⁰⁰****3rd Session Chair:** Dr. Magdy Torab (*Egypt*)*Ballroom*13³⁰ – 13⁴⁵

ege500.1

The influence of slope length on soil loss in skid trails in the north forest of Iran

*R. Naqhdj, M. Nikooy and M. Akbarimehr*13⁴⁵ – 14⁰⁰

ege649.1

Soil clean up and remediation technologies

*H. Kaptan*14⁰⁰ – 14¹⁵

ege764

Utilization of wastes in agriculture and legal regulations in Turkey

*S. Örs and Ü. Şahin*14¹⁵ – 14³⁰

ege795

Antropogen effects in repeat salinization of soils (as an example of the soils along Araz in Nakhichevan AR)

*A. Guliyev*14³⁰ – 14⁴⁵

ege768

Evolution of the Nile Delta coast line during 20th century*M. Torab***14⁴⁵ – 15⁰⁰****Discussion****15⁰⁰ – 15³⁰**

Coffee Break

15³⁰ – 17⁰⁵**4th Session Chair:** Dr. Pandi Zdruli (*Italy*)*Ballroom*15³⁰ – 15⁴⁵

ege122

Effect of salinity on germination and early seedling emergence of canola

*H. Sabetmoghaddam and P. Saeedi Rad*15⁴⁵ – 16⁰⁰

ege685

The effects of *p. chrysosporium* and organic inputs on soil aggregate stability*M. Sabetizade, M. Gorji and A. Asgharzade*16⁰⁰ – 16¹⁵

ege668

Wheat yield and soil properties as influenced by tillage system under saline condition

*F. Rasooli, A. Kiani Pouya and S. Afzalinia*16¹⁵ – 16³⁰

ege585

Direct benefits derived from a rehabilitated semi-arid rangeland in Kenya

*S.M. Mureithi, A. Verdoodt, J.T. Njoka, C.K.K. Gachene, E. Meyerhoff and E. Van Ranst*16³⁰ – 16⁵⁵

ege857

Soil resources of the Mediterranean and their impact on food security and sustainable development

*P. Zdruli***16⁵⁵ – 17⁰⁵****Discussion****17⁰⁵ – 17³⁰**

Coffee Break

17³⁰ – 19⁰⁰**DISCUSSION & CLOSING SESSION****Chairman:** Dr. Ahmet Mermut (*Turkey*)**Speakers:** Dr. Nicola Senesi (*Italy*), Dr. Pandi Zdruli (*Italy*),Dr. Richard Dick (*the USA*), Dr. Sabit Erşahin (*Turkey*),Dr. Selim Kapur (*Turkey*) and Dr. Winfried E.H. Blum (*Austria*)*Ballroom***19⁰⁰ – 19³⁰****CLOSING CEREMONY***Ballroom***20⁰⁰ – 21³⁰**

Dinner

THURSDAY, MAY 17th

Okyanus Hall

08³⁰ – 10⁰⁵

Themes: Soil and water pollution, Impact of climate change on soils

Okyanus Hall

08³⁰ – 10⁰⁵

1st Session Chair: Dr. Winfried E.H. Blum (Austria)

Okyanus Hall

08³⁰ – 08⁴⁵

ege520

Impact of different kind of pig manure on organic matter functional groups under semi-arid climate conditions in Albacete region se Spain

İ.H. Yanardağ, A.R. Mermut, A.F. Cano and A. Büyükkılıç Yanardağ

08⁴⁵ – 09⁰⁰

ege388.1

Study of drought tolerance indices of maize cultivars

S. Jamaati-e-Somarin and R. Zabihi-e-Mahmoodabad

09⁰⁰ – 09¹⁵

ege366.3

Studies on diffusion of allelopathic compounds of paddy weeds and thier allelopathic toxicity

E.G. Alamdari

09¹⁵ – 09³⁰

ege676

The effects of surface boron mining on arsenic content of soils and plants in Emet-Hisarçık region

S. Sözüdoğru Ok, E. Atabey, B. Omar, A. Akay, S. Arcak

09³⁰ – 09⁵⁵

ege863

Main forms of energy involved in soil formation and environmental processes

W.E.H. Blum

09⁵⁵ – 10⁰⁵

Discussion

10⁰⁵ – 10³⁰

Coffee Break

10³⁰ – 12⁰⁰

Theme: Geo-spatial/Remote Sensing technologies for soil management

Okyanus Hall

10³⁰ – 12⁰⁰

2nd Session Chair: Dr. Alaa El Nahry (Egypt)

Okyanus Hall

10³⁰ – 10⁴⁵

ege187

Spatial variability structure of selected soil fertility properties at a farmer field in Çukurova alluvial delta

A. Karabulut and İ. Ünver

10⁴⁵ – 11⁰⁰

ege671

Spatial distribution of heavy metals in surface soils of zarand, an arid area in southeastern Iran: role of parent material and anthropogenic factors

F. Khayamim, S. Norouzi, A. Jafari, H. Khademi and S. Ayoubi

11⁰⁰ – 11¹⁵

ege574

The generalized difference vegetation index (gdvi) for land characterization

W. Wu

11¹⁵ – 11³⁰

ege787

Gis spatial modeling for land degradation assessment in Tegray, Ethiopia

A.H. Rabia

11³⁰ – 11⁴⁵

ege103

Using spatial variability for evaluating sustainability in the northern part of the Nile Delta, Egypt

A.H. EL-Nahry

11⁴⁵ – 12⁰⁰

Discussion

12⁰⁰ – 13³⁰

Lunch

THURSDAY, MAY 17th

Okyanus Hall

13³⁰ – 17⁰⁰ Theme: Soil genesis and classification Okyanus Hall

13³⁰ – 15⁰⁰ 3rd Session Chair: Dr. Norair Toomanian (Iran) Okyanus Hall

13³⁰ – 13⁴⁵ ege830.2 The morphology, mineralogy, geochemistry and physical implications of foid bearing syenite and syenite-carbonate rocks contact zone soils: Kırşehir-Akpınar-Buzlukdağ, Turkey
M. Kibar, K. Deniz and F.E. Sarıoğlu

13⁴⁵ – 14⁰⁰ ege178.2 Effect of salinity regime on the play a surfaces types
N. Mashhadi

14⁰⁰ – 14¹⁵ ege556 Ectomycorrhizal *Russula* species in Turkish pine (*Pinus brutia* Ten.) forests in Izmir
H. Akça, H. Karakurt, M.H. Solak and G. Akbin

14¹⁵ – 14³⁰ ege241 Ability of indicator kriging to map the soil series distribution: a case study in central Iran
N. Toomanian, K. Zaeri and A. Gholami

14³⁰ – 14⁴⁵

14⁴⁵ – 15⁰⁰ Discussion

15⁰⁰ – 15³⁰ Coffee Break

15³⁰ – 17⁰⁰ 4th Session Chair: Dr. Ural Dinç (Turkey) Okyanus Hall

15³⁰ – 15⁴⁵ ege597 Evaluation of the northern Adana soils according to the soil conservation and land use law of Turkey
M. Dinçil, M.E. Öztekin, S. Şenol, O. Dinç and Y.K. Koca

15⁴⁵ – 16⁰⁰ ege302.1 Amount lability of zinc and sorption its by different soils at the presence of potassium and sodium cations and phosphate, nitrate, and chloride
S.S. Hashemi

16⁰⁰ – 16¹⁵ ege618 The relationships between certain characteristics of soils developed on volcanic material and mycorrhizal spore numbers
H.H. Özyaytekin and E. Karaarslan

16¹⁵ – 16³⁰ ege673 Qualitative evaluation of land suitability for some important agricultural plants: a case study for Givi region in Iran
S.A. Kapourchal

16³⁰ – 16⁴⁵ ege785.1 Qualitative land suitability evaluation for alfalfa and maize in Khoramdareh agribusiness area of Zanjan province
S. Moghimi, S. Mahmoodi, M.H. Masihabadi and A.A. Damavandi

16⁴⁵ – 17⁰⁰ Discussion

DISCUSSION & CLOSING SESSION

17³⁰ – 19⁰⁰ **Chairman:** Dr. Ahmet Mermut (Turkey)
Speakers: Dr. Nicola Senesi (Italy), Dr. Pandi Zdruli (Italy), Dr. Richard Dick (the USA), Dr. Sabit Erşahin (Turkey), Dr. Selim Kapur (Turkey) and Dr. Winfried E.H. Blum (Austria) Ballroom

19⁰⁰ – 19³⁰ CLOSING CEREMONY Ballroom

20⁰⁰ – 21³⁰ Dinner

THURSDAY, MAY 17th

Gerence I

08³⁰ – 10⁰⁰

Themes: Carbon sequestration and management, Policies for soil health management in agriculture

Gerence I

08³⁰ – 10⁰⁰

1st Session Chair: Dr. Ayten Namlı (*Turkey*)

Gerence I

08³⁰ – 08⁴⁵

ege899

Impact of composts derived from agroindustrial wastes on soil fertility and nutrition of maize (*Zea mays* L.)
H.H. Kayikcioglu and N. Okur

08⁴⁵ – 09⁰⁰

ege135

Effect of slope rate on soil organic carbon of rangelands converted to dry farming, Iran
H. Joneidi and S. Nikoo

09⁰⁰ – 09¹⁵

ege748

Effect of land use change and biological restoration on carbon sequestration in arid area of Iran
S.Nikoo and H. Joneidi

09¹⁵ – 09³⁰

ege779

Factors influencing local community participation in sustainable management of land and water resources programs in Iran
R. Bagherian and M. Namaki

09³⁰ – 09⁴⁵

ege826

Carbon transport across the litter-soil Interface under no tillage agroecosystem
O.C. Turqay, T.R. Chowdhury, N. Lorenz, N. Hoilett, R.P. Dick

09⁴⁵ – 10⁰⁰

Discussion

10⁰⁰ – 10³⁰

Coffee Break

10³⁰ – 17⁰⁰

Theme: Soil and water conservation

Gerence I

10³⁰ – 12⁰⁰

2nd Session Chair: Dr. Shantosa Yudha Siswanto (*Indonesia*)

Gerence I

10³⁰ – 10⁴⁵

ege672.1

Identification and prioritization of critical sub-basins in a highly mountainous watershed using SWAT model
A. Besalatpour, M.A. Hajabbasi, S. Ayoubi, and A. Jalalian

10⁴⁵ – 11⁰⁰

ege848

TEMA, Turkish foundation for combating soil erosion, reforestation and the protection of natural habitats in the soil conservation processes as a CSO
T. Soyulu and Ö. Katsisöz

11⁰⁰ – 11¹⁵

ege270.2

Effect of polymer application on temporal variation of dry aggregates stability
M. Movahedan, N. Abbasi, M. Keramati, R. Bahramloo

11¹⁵ – 11³⁰

ege722

Comparison of sediment delivery ratios in Guvenç basin
E. Karas, O. Demirkiran, İ. Oğuz and H. Cebel

11³⁰ – 11⁴⁵

ege831

Effect of landuse and slope steepness on erosion risk level in cisangkuy sub watershed, Pangalengan, Indonesia
S.Y. Siswanto, T. Ramansyah and M.I.S. Sule

11⁴⁵ – 12⁰⁰

Discussion

12⁰⁰ – 13³⁰

Lunch

THURSDAY, MAY 17th

Gerence I

13³⁰ – 15⁰⁰ **3rd Session Chair:** Dr. Asghar Besalatpour (*Iran*) *Gerence I*

13³⁰ – 13⁴⁵ **ege409** Chemical treatment of contaminated soils by using ozone (case study: anthracene removal)
E. Bakhshi, D. Kahforoushan, E. Fatehifar and M. Arehjeni

13⁴⁵ – 14⁰⁰ **ege437.2** Comparison of different methods for sediment trapping in gully, case study: Kerman province, southeast of I. R. Iran
A. Mehdipour and M. Soufi

14⁰⁰ – 14¹⁵ **ege751** Soil erodibility evaluation by splash cups under the simulated rainfalls
M.Ö. Pinar and G. Erpul

14¹⁵ – 14³⁰ **ege452.2** Environmental and sanitary considerations in planning a program for using sludge from Tehran domestic waste-water treatment plants in agriculture
B. Yarqholi and S. Azarneshan

14³⁰ – 14⁴⁵ **ege672.2** Using gamma test to determine the optimum input variables for soil shear strength prediction by neural networks
A. Besalatpour, M.A. Hajabbasi and S. Ayoubi

14⁴⁵ – 15⁰⁰ **Discussion**

15⁰⁰ – 15³⁰ **Coffee Break**

15³⁰ – 17⁰⁰ **4th Session Chair:** Dr. Hasan Dursun (*Turkey*) *Gerence I*

15³⁰ – 15⁴⁵ **ege508** Identification of soils and land unit as one of the first step in controlling erosion (case study: gharah ghayah watershed in east Azerbaijan province, Iran)
M. Alizadeh, M. Ebrahimi, B. Malekpour and A. Mokhtari Asl

15⁴⁵ – 16⁰⁰ **ege740** Management of drainage water quality: the impacts of different irrigation water salinities and leaching ratios
E. Yurtseven, S. Avci, H.S. Öztürk, M.F. Selenay and S. Altinok

16⁰⁰ – 16¹⁵ **ege607.3** Weighted average estimate of 40 sediment and erosion, watershed and assess the impact factors using MPSIAC of province Sestan and Balochastan
G. Vafaei, A. Sarvarinejad, A. Ghodrati, Z. Akhavan, N. Jaafari and V. Maleki

16¹⁵ – 16³⁰ **ege667** multivariate statistical techniques for evaluation of spatial and temporal variations in water quality (case study: Gorganrood river, Iran)
S. Khazaei Moughani, A. Najafinejad and M. Azimmohseni

16³⁰ – 16⁴⁵ **ege747.1** Controlling soil loss using polyvinyl acetate (PVAc) in a highly erodible marl soil in NW Iran
A.R. Vaezi, S. Hamidi-Nehrani and M.H. Mohammadi

16⁴⁵ – 17⁰⁰ **Discussion**

DISCUSSION & CLOSING SESSION

Chairman: Dr. Ahmet Mermut (*Turkey*)

Speakers: Dr. Nicola Senesi (*Italy*), Dr. Pandi Zdruli (*Italy*), Dr. Richard Dick (*the USA*), Dr. Sabit Erşahin (*Turkey*), Dr. Selim Kapur (*Turkey*) and Dr. Winfried E.H. Blum (*Austria*)

17³⁰ – 19⁰⁰ *Ballroom*

CLOSING CEREMONY

19⁰⁰ – 19³⁰ *Ballroom*

20⁰⁰ – 21³⁰ **Dinner**

THURSDAY, MAY 17th

Gerence II

08³⁰ – 17⁰⁰

Theme: Soil properties and modeling

Gerence II

08³⁰ – 10⁰⁰

1st Session Chair: Dr. Yusuf Yigini (*Italy*)

Gerence II

08³⁰ – 08⁴⁵

ege189.1

Assessment of an “EPM” based regional model efficiency in soil erosion estimation at the north of Khalkhal catchment, Ardabil, Iran
A.E. Ouri

08⁴⁵ – 09⁰⁰

ege229.1

Artificial neural network and multivariate linear regression methods for prediction of soil cone index
Y. Abbaspour-Gilandeh, A. Shaygani-Soltanpour, A. Golmohammadi, F. Qahari-Kermani and F. Rahimi-Ajdadi

09⁰⁰ – 09¹⁵

ege376

Effects of heat intensity and soil water content on chemical and physical properties of a clay loam textured calcareous soil
E. Demiröz, İ. Gümüş and C. Şeker

09¹⁵ – 09³⁰

ege674

Effect of conservation tillage methods on the soil mechanical properties
M. Zare and S. Afzalinia

09³⁰ – 09⁴⁵

ege203

Soil erosion prediction to prioritize areas for sustainable land management using rusle model in the Gerado catchment, south Wello, north eastern Ethiopia
A. Legass Bahir, Mohammed A.A. and Lulseged T.D.

09⁴⁵ – 10⁰⁰

Discussion

10⁰⁰ – 10³⁰

Coffee Break

10³⁰ – 12⁰⁰

2nd Session Chair: Dr. Sergey Shoba (*Russia*)

Gerence II

10³⁰ – 10⁴⁵

ege547.1

Enzyme activities in different soils in Konya plain
R. Uyanöz and Ü. Karaca

10⁴⁵ – 11⁰⁰

ege623

Managing of water resources pollution: a case study for khorram abad river in Iran
S.A. Kapourchal

11⁰⁰ – 11¹⁵

ege234.2

Recent nanotechnology applied for soil and water remediation: a critical review
E. Olyaie and H. Banejad

11¹⁵ – 11³⁰

ege781.1

Control of irrigation erosion of irrigated soils in southern Kazakhstan
A. Saparov, E.K. Mirzakeev, T.M. Sharypova and G.A. Saparov

11³⁰ – 11⁴⁵

ege766

Some indicators and determinants of land degradation in Bangladesh
A.M. Shajaat Ali

11⁴⁵ – 12⁰⁰

Discussion

12⁰⁰ – 13³⁰

Lunch

THURSDAY, MAY 17th

Gerence II

13³⁰ – 15⁰⁵ 3rd Session Chair: Dr. Stelios Rozakis (Greece) Gerence II

13³⁰ – 13⁴⁵ ege580.2 Is there any physical concept for parameters of sorption isotherm models?
H. Khodaverdiloog, A. Samadi, M. Barani Motlagh and Sh. Ghorbani Dashtaki

13⁴⁵ – 14⁰⁰ ege593.1 Modeling of water flow in vadose zone based on soil properties
S. Besharat, H. Ahmadi, V.R. Verdinejad

14⁰⁰ – 14¹⁵ ege758 Determination of a guilty of murder , importance of investigation of crime scene and forensic soil samples (Catalca case, Turkey)
M. Mert, S. Kabakoz, A.S. Gürler, A. Namli Karaca, M.F. Şahin and S. Mercan

14¹⁵ – 14³⁰ ege759 Pedogenesis of salt affected soils in central Anatolia
H. Gunal, M. Budak and N. Acir

14³⁰ – 14⁵⁵ ege204 Bio-economic modeling for arable cropping rotations in Thessaly, Greece
S. Rozakis, E. Skoufogianni and N.G. Danalatos

14⁵⁵ – 15⁰⁵ Discussion

15⁰⁵ – 15³⁰ Coffee Break

15³⁰ – 17⁰⁰ 4th Session Chair: Dr. Necat Ağca (Turkey) Gerence II

15³⁰ – 15⁴⁵ ege823 Determination of soil organic carbon levels using near-infrared spectroscopy (NIRS) in calcareous soils
G. Bilgehan Aydin, L. Atatanir, I. Bögrekçi and A. Yorulmaz

15⁴⁵ – 16⁰⁰ ege262 Performance evaluation of relationship volumetric water content and relative permittivity models
M. Mukhlisin, A. Saputra and M. Raihan Taha

16⁰⁰ – 16¹⁵ ege614 Comparison of sample preparation methods for laser diffraction to determine the particle size distribution of medium fine soils
E. Kondrlóv, D. Igaz, J. Horák and J. Čimo

16¹⁵ – 16³⁰ ege708 Controlling and estimation of soil salinity in irrigated land by using watsuit model
A.M. Ağar, İ. Ünver and A.İ. Ağar

16³⁰ – 16⁴⁵ ege796 Distribution of micronutrients in Amik plain (Hatay, Turkey)
N. Ağca and S. Karanlık

16⁴⁵ – 17⁰⁰ Discussion

DISCUSSION & CLOSING SESSION

Chairman: Dr. Ahmet Mermut (Turkey)

Speakers: Dr. Nicola Senesi (Italy), Dr. Pandi Zdruli (Italy), Dr. Richard Dick (the USA), Dr. Sabit Erşahin (Turkey), Dr. Selim Kapur (Turkey) and Dr. Winfried E.H. Blum (Austria)

17³⁰ – 19⁰⁰ Ballroom

19⁰⁰ – 19³⁰ CLOSING CEREMONY Ballroom

20⁰⁰ – 21³⁰ Dinner

THURSDAY, MAY 17th

Denizkızı II

08³⁰ – 17⁰⁰ Theme: Geo-spatial/Remote Sensing technologies for soil management Denizkızı II

08³⁰ – 10⁰⁰ 1st Session Chair: Dr. Mehmet Ali Çullu (Turkey) Denizkızı II

08³⁰ – 08⁴⁵ ege188 Integrated remote sensing techniques and spatial statistical model to soil salinity identification
A.A. Noroozi, M. Homae and A. Farshad

08⁴⁵ – 09⁰⁰ ege720 Investigating relationships between LANDSAT ETM+ bands and some soil surface properties by using gis and remote sensing
H.M. Doğan and O.M. Kılıç

09⁰⁰ – 09¹⁵ ege291 Spatial variability of some chemical and physical soil properties in Nesho mountain rangelands
H. Kavianpoor, Z. Jafarian Jeloudar, A. Esmali Ouri and A. Kavian

09¹⁵ – 09³⁰ ege281 Site suitability for sprinkle irrigation based on parametric evaluation approach using gis
O. Deniz, M. Sağlam and F.E. Sarioğlu

09³⁰ – 09⁴⁵ ege693 Mapping of salt affected lands using combination of remote sensing, gis and classical methods: a case study in the Harran Plain
M.A. Cullu, A.V. Bilgili, A. Almaca, A.R. Ozturkmen, A. Aydemir, S. Aydemir, M. Aydođdu, Y. Şahin, S. Karakaş Dikilitaş and A.R. Mermut

09⁴⁵ – 10⁰⁰ Discussion

10⁰⁰ – 10³⁰ Coffee Break

10³⁰ – 12⁰⁵ 2nd Session Chair: Dr. Ciro Gardi (Italy) Denizkızı II

10³⁰ – 10⁴⁵ ege660 Gis and rs soil-vegetation correlations for continental salt-lands habitats in ne Romania
D.L. Stoica, C.V. Patriche, C. Sârbu, R. Pîrnău and B. Roşca

10⁴⁵ – 11⁰⁰ ege657 Probability mapping of saline and sodic soils in the Harran plain using a non-linear kriging technique
A.V. Bilgili, M.A Çullu, S. Aydemir, A. Aydemir and A. Almaca

11⁰⁰ – 11¹⁵ ege412 Investigation of relationship between sediment yield and landslide in Iran
S. Shadfar and D. Lotfollahzadeh

11¹⁵ – 11³⁰ ege762 Analyzing recent history of coastal erosion in the Mediterranean and Black Sea delta systems of Turkey
H. Alphan, M.A. Derse and N. Çelik

11³⁰ – 11⁵⁵ ege822 Continuous mapping of soil pH using digital soil mapping approach in Europe
C. Gardi and Y. Yigini

11⁵⁵ – 12⁰⁵ Discussion

12⁰⁰ – 13³⁰ Lunch

THURSDAY, MAY 17th

Denizkızı II

13³⁰ – 13⁰⁰ **3rd Session Chair:** Dr. Suat Şenol (Turkey) Denizkızı II

13³⁰ – 13⁴⁵ ege600 Soil conservation planning with masonry check dam constructions using decision support system (dss) (case study: Bayaz, Iran)
A.A. Jamali and A. Dehghani

13⁴⁵ – 14⁰⁰ ege763 The determination of hydrocarbon seepages by using landsat tm satellite images nearby Adıyaman
A. Polat and C. Ormeci

14⁰⁰ – 14¹⁵ ege798 Mapping crop types using support vector machines classifier from rapideye data in Menemen plain, Izmir
F. Bektaş Balçık, F. Balık Şanlı, S. Abdikan, M.T. Esetlili, Ç. Göksel and Y. Kurucu

14¹⁵ – 14³⁰ ege819 Regression modeling of land use degradation by anthropogenic stresses in Corlu/Tekirdag
E. Tok, A. Çelik Turan and A.S. Dönertaş

14³⁰ – 14⁴⁵ ege510 The advantages of quickbird images for soil survey studies
M.E. Oztekin, S. Senol, M. Dingil, O. Dinç and Y.K. Koca

14⁴⁵ – 15⁰⁰ Discussion

15⁰⁰ – 15³⁰ Coffee Break

15³⁰ – 17⁰⁰ **4th Session Chair:** Dr. Sabit Erşahin (Turkey) Denizkızı II

15³⁰ – 15⁴⁵ ege830.1 Changing landscape in Antalya-Kumluca district from 1990 to 2011: land use/land-cover, vegetation cover and greenhouse area changes determined using different satellite images
M. Kibar and H. Erkoç

15⁴⁵ – 16⁰⁰ ege842 The investigation of natural areas by using geographic information system software: a case study of Izmir city in Turkey
S. Aqi Günerhan and Ü. Erdem

16⁰⁰ – 16¹⁵ ege850 A research on determination and monitoring of main soil properties using synthetic aperture radar images for dynamic land use plans
M.T. Esetlili and Y. Kurucu

16¹⁵ – 16³⁰ ege866 A research on production of land use planning decisions of Torbalı- Izmir region by gis and remote sensing technique
F. Özen and Y. Kurucu

16³⁰ – 16⁴⁵ ege523 Spatial variability of nitrate leaching variables in Serik plain
B. Yetgin Uz, Ş. Ersahin, A. Kurunç, N.K. Sonmez, I. Uz, H. Kaman and G.E. Aslan

16⁴⁵ – 17⁰⁰ Discussion

DISCUSSION & CLOSING SESSION
Chairman: Dr. Ahmet Mermut (Turkey)

Speakers: Dr. Nicola Senesi (Italy), Dr. Pandi Zdruli (Italy), Dr. Richard Dick (the USA), Dr. Sabit Erşahin (Turkey), Dr. Selim Kapur (Turkey) and Dr. Winfried E.H. Blum (Austria) Ballroom

19⁰⁰ – 19³⁰ **CLOSING CEREMONY** Ballroom

20⁰⁰ – 21³⁰ Dinner

THURSDAY, MAY 17th

Denizkızı I

07 ⁰⁰ – 19 ⁰⁰	REGISTRATION	
08 ³⁰ – 17 ⁰⁰	PARALLEL SCIENTIFIC SESSIONS	All Halls
08 ³⁰ – 18 ⁰⁰	FREE POSTER SESSIONS	Yunus Hall
10 ³⁰ – 12 ⁰⁰	LECTURE SESSIONS	Denizkızı I
10 ³⁰ – 12 ⁰⁰	Lecture on new approaches in soil enzymology Lecturer: Dr. Richard Dick (<i>the USA</i>)	Denizkızı I
12 ⁰⁰ – 13 ³⁰	Lunch	
13 ³⁰ – 17 ⁰⁰	LECTURE SESSIONS	Denizkızı I
13 ³⁰ – 15 ⁰⁰	Lecture on new approaches in soil enzymology Lecturer: Dr. Richard Dick (<i>the USA</i>)	Denizkızı I
15 ⁰⁰ – 15 ³⁰	Coffee Break	
15 ³⁰ – 17 ⁰⁰	Lecture Summary and Evaluation Lecturer: Dr. Richard Dick (<i>the USA</i>)	Denizkızı I
17 ³⁰ – 19 ⁰⁰	DISCUSSION & CLOSING SESSION <u>Chairman:</u> Dr. Ahmet Mermut (<i>Turkey</i>) <u>Speakers:</u> Dr. Nicola Senesi (<i>Italy</i>), Dr. Pandi Zdruli (<i>Italy</i>), Dr. Richard Dick (<i>the USA</i>), Dr. Sabit Erşahin (<i>Turkey</i>), Dr. Selim Kapur (<i>Turkey</i>) and Dr. Winfried E.H. Blum (<i>Austria</i>)	Ballroom
19 ⁰⁰ – 19 ³⁰	CLOSING CEREMONY	Ballroom
20 ⁰⁰ – 21 ³⁰	Dinner	

Izmir - TURKEY