Levels of stabil dissolved oxygen concentration in coastal area under wave effects

Esin Bozkurt[1], **Sedat Kabdaşlı**[2]

[1]Environmental Engineering, Engineering Faculty, Marmara University, Istanbul, Turkey

[2]Hydraulics Division, Civil Engineering Dept., İstanbul Technical University, İstanbul, Turkey

Coast organisms need dissolved oxygen for their life. Coast is separated to dry, wet and saturated areas at horizontal line and from water surface to under sediment at vertical line. Changes of dissolved oxygen concentration was investigated at these lines.

Experiments were performed in wave channel that has 24m long, 1m width and 1m high. In channel, coast model had 0.3mm the average sediment diameter, 1/5 slope and 60cm water depth. Dissolved oxygen concentrations were measured on 7 vertical lines at the coast model. 4 of them were from the shoreline to the open sea side. 2 of them were from the shoreline to the land side. 1 of them was at the shoreline. Dissolved oxygen concentrations were measured in water over sea bed and in water between sediments. Measurements were made for determination about wave effect's levels. Initial and final dissolved oxygen concentrations were continued to remain the same for some levels. Finding same initial and final dissolved oxygen values showed that wave can not affect these levels. Probe was stable at for each experiment. Firstly, experiments for each vertical line were 5cm under the calm water level. Later, experiment places were changed to be deeper until finding not wave effect for vertical line. Dissolved oxygen concentration was stable at 10cm under sea bed for D1 that has 1m distance from the shoreline to the open sea side; 10cm under sea bed for D2 that has 0.75m distance from the shoreline to the open sea side; 15cm under sea bed for D3 that has 0.5m distance from the shoreline to the open sea side; 20cm under sea bed for D4 that has 0.25m distance from the shoreline to the open sea side; 15cm under sea bed for D5 that is on the shoreline; 20cm under sea bed for D6 that has 0.25m distance from the shoreline to the land side. D7 has 0.25m distance from the shoreline to the land side is the vertical line. Dissolved oxygen values on D7 vertical line, show that wave effect is not reached to D7 vertical line.

Keywords: Dissolved oxygen, coastal ecosystem, wave effect

19th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region / October 4-6, 2017 , Rome – Italy

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Mediterranean Scientific Association of Environmental Protection

c/o Panormou 4, 55133 Kalamaria Thessaloniki, Greece

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Environmental health and well-being	Ecotoxicity and biodiversity	Environmental economics, policy, education
Afternoon sessions	*Afternoon sessions*	*Afternoon sessions*
Sustainable natural resource and waste management	Water and soil pollution	New and emerging technologies
Indoor and outdoor air pollution	Energy, environment and sustainability	
Rapid Fire presentations	Rapid Fire presentations Panel discussion	
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Keynote lecture – Sala Convegni **Eugenia Dogliotti – Italian National Institute of Health**		9:15-9:45
COFFEE BREAK		9:45-10:15

Environmental and health inequities – socio-economic determinants of exposure
Morning session – October 4th Oral presentations – Sala Convegni
Chair: Dimosthenis Sarigiannis – Peter Van Den Hazel

Abstract	*Title*	*Authors*	*Presenter*	*Time*
20	**Children's development by sustainability** in an unequal world	Peter Van Den Hazel	Peter Van Den Hazel	10:15
74	Life course exposure trajectories: A probabilistic model for prospective and retrospective exposure characterization	Christian Schieberle, Naixin Li, Rainer Friedrich	Christian Schieberle	10:30
128	Physical Environment Problems In Cities And **Solution Proposals: Sample Of Mahallebası** Neighbourhood In Erzurum/Turkey	Isik Sezen, Neslihan Demircan, Faris Karahan, Emine Patan	Isik Sezen	10:45
149	GIS Based Inventory and Documentation of Monumental Trees in Black Sea Region of Turkey	**Dursun Zafer Şeker, Mehmet Demir,** Abdulkadir Baytimur, Mehmet Faruk Eroglu, Enes Gunduz, Nuket Sivri	**Dursun Zafer Şeker**	11:00
232	Chronic-toxic and carcinogenic risk levels of potantially toxic elements in airborn particulate Mater at Urban area (Corlu, Turkey)	Lokman Hakan Tecer, Sait Cemil Sofuoglu, Merve Ficici	Lokman Hakan Tecer	11:15
321	Comparison of the noise effects of tourism and industrial cities in Turkey	Samet Feyyaz Hamamci, Deniz Sari, Melike Nese Tezel, Muhammet Erdol, Nesimi Ozkurt	Samet Feyyaz Hamamci	11:30
330	A systematic review of socioeconomic determinants of exposure	Rosemary Hiscock, Anna Maccagnan, Julia Neuhauser, Naixin Li, Tim Taylor, Dimitris Chapizanis, Alberto Gotti, Dimosthenis Sarigiannis	Rosemary Hiscock	11:45
370	Assessing the impact of hazardous waste on **children's health: the exposome paradigm**	Dimosthenis Sarigiannis	Dimosthenis Sarigiannis	12:00
LUNCH BREAK				12:15-13:30

Symposium Opening – Sala Convegni

Denis Sarigiannis – MESAEP President
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8:30-9:15

Keynote lecture – Sala Convegni
Eugenia Dogliotti – Italian National Institute of Health
9:15-9:45

COFFEE BREAK
9:45-10:15

Environmental health & well-being
Morning session – October 4th Oral presentations – Sala Marconi
Chair: Gemma Calamandrei – Sani Dimitroulopoulou

Abstract	*Title*	*Authors*	*Presenter*	*Time*
261	Potential impacts on children's health from active and passive exposure to non ionizing radiation: What we know and what we must do to protect children and future generation	Stella Canna Michaelidou	Stella Canna Michaelidou	10:15
154	Environmental public health risks across European metropolitan areas	Sani Dimitroulopoulou, Christina Mitsakou, Sophia Rodopoulou, **Claudia Costa, Marc Mari Dell'olmo,** Diana Corman, Nathalie Coue, Patrick Deboosere, Conrad Franke, Michala Lustigova, Sotiris Vardoulakis	Sani Dimitroulopoulou	10:30
163	Polyclorinated biphenyls and organocloide pesticides in street dust of Novi Sad, Serbia; Environmental and public risk assessment	**Biljana Dragisa Škrbić, Vesna Marinković, Igor Slobodan Antić, Grigorije Georg Jovanović, Anita Slobodan Petrović Gegić**	**Biljana Dragisa Škrbić**	10:45
362	Assessment of public health risk from arsenic using biomarkers and biokinetics modeling	Irini Furxhi, Dimosthenis Sarigiannis, Spyros Karakitsios	Dimosthenis Sarigiannis	11:00
251	State of art on Environmental health and well-being	Mariarosaria Di Placido	Mariarosaria Di Placido	11:15
88	Detection of Radon Emissions during 2016/217 Earthquakes in Abruzzo (Italy)	Leonardo Nicoli, Giuseppe Massimiani, Gianluca Mastrantonio, Massimo Zucchetti	Leonardo Nicoli	11:30
386	Prenatal and childhood exposure to metals and neuropsychological scores at 7 years: a follow-up study on 200 children of the Italian Northern Adriatic Cohort II	Gemma Calamandrei, Flavia Chiarotti, Fiorino Mirabella, Anna Pino, Beatrice Bocca, Alessandro Alimonti, Luca Ronfani, Liza Vecchi Brumatti, Marika Mariuz, Valentina Rosolen, Fabio Barbone	Gemma Calamandrei	11:45

LUNCH BREAK
12:15-13:30

Indoor and outdoor air pollution
Afternoon session – October 4th Oral presentations – Sala Convegni
Chair: Dimitrios Kotzias – John G. Bartzis

Abstract	*Title*	*Authors*	*Presenter*	*Time*
90	Urban air quality and population exposure in Europe	Dimitrios Kotzias	Dimitrios Kotzias	13:30
162	The HEALS Environmental Data Management System. The air NO2 data statistical analysis	John Bartzis, George C. Efthimiou, Evangelos I. Tolis, Panagiotis A. Karagiannis, Krystallia K. Kalimeri, Vasileios K. Mpalafas, Dimosthenis A. Sarigiannis	John Bartzis	13:45
193	Estimation of NO2 concentration values in a monitoring sensor network using a fusion approach	Javier González Enrique, Ignacio J. Turias, Juan Jesús Ruiz Aguilar, José Antonio Moscoso López, María J. Jiménez Come, José Jerez Aragonés, Leonardo Franco	Javier González Enrique	14:00
276	The hidden health risk of North Africa cities. The ozone levels in the Spanish city of Ceuta from 2012 to 2016	Saul Garcia Dos Santos, Susana Guevara Hernandez, David Galán Madruga, Rebeca Benarroch Benarroch, Pilar Morillo Gomez, Carmen Sanchez Blaya, Rosalia Fernandez Patier	Saul Garcia Dos Santos	14:15
181	Air quality and source apportionment study in the surrounding area of pomace olive oil industries	Thomas Maggos, Panagopoulos Panagiotis, Pateraki Styliani, Bairachtari Kyriaki, Saraga Dikaia, Vlachogianni Diamando, Sfatsos Athanasios, Gounaris Nikolaos, Emmanouil George, Dasopoulou Maria, Vasilakos Christos	Thomas Maggos	14:30
382	A new device for automatic sampling passive samplers and monitoring air pollution	Ivo Allegrini	Ivo Allegrini	14:45
59	A comprehensive air quality investigation at an aquatic center: Indoor/outdoor correlations	Evangelos I. Tolis, Giorgos Panaras, Nikos Ouranos, John G. Batrzis	Evangelos I. Tolis	15:00
89	Floor based 3d visualization of indoor air pollution in buildings with 3D GIS and City Engine	**Şevket Bediroğu, Volkan Yıldırım**	**Şevket Bediroğu**	15:15
268	"Development of new organic and inorganic adhesives as substitutes of formaldehyde containing resins in wood products - FREEFORES"	Rosanna Mabilia, Benedetto Pizzo, Piero Ciccioli, Paola Tassone	Rosanna Mabilia	15:30
209	Emission rates and an empirical formula for fugitive PM10 estimates from a bucket wheel excavator	Athanasios Triantafyllou, Nikolas Moussiopoulos, Stergios Garas, Georgios Tsegas, Christos Diamantopoulos, Ioannis Skordas, Athina Krestou, Ioannis Kapagegidis, Melina Andreadou	Athanasios Triantafyllou	15:45
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Sustainable natural resource and waste management
Afternoon session – October 4th Oral presentations – Sala Marconi
Chair: Mehmet Bulent Topkaya – Mario Carere

Abstract	*Title*	*Authors*	*Presenter*	*Time*
101	Optimization the Impact of Disposal Facilities on Protected Areas by Using Geographic Information Systems (GIS) and Spatial-Multi Criteria Decision Methods (S-MCDM)	Volkan Yildirim, Tugba Memisoglu, Fatih Terzi	Fatih Terzi	13:30
151	Optimization of Waste Glass Recycling System Utilized GIS; A Case Study of Bakirkoy District of Istanbul -Turkey	**Dursun Zafer Şeker**, Nuket Sivri, Mustafa Tunali, Anil Pir, Mustafa Seçgin, Baris Basa	**Dursun Zafer Şeker**	13:45
376	Wastewater reuse in the industry: an ecogenotoxicological approach	Ines Lacchetti, Silvana Caciolli, Camilla Puccinelli, Anna Maria **D'angelo, Silvia Marchini,** Roberto Giuseppetti, Elio Pierdominici, Laura Mancini	Ines Lacchetti	14:00
102	Developing Decision Support System for Integrated Solid Waste Management	Volkan Yildirim, Tahsin Yomralioglu, Fatih Terzi, Sevket Bediroglu, Gamze Bediroglu	Fatih Terzi	14:15
168	Eyewear waste management: Issues and Trends	Paraskevi Mentzelou, Konstantinos Athanasiadis, Nikolaos Leopardi	Paraskevi Mentzelou	14:30
277	Determining Odour Effect of Sanitary Landfill Using Open Source GIS	Merve Korkutan, Ahmet Ozgur Dogru, Cigdem Goksel	Ahmet Ozgur Dogru	14:45
281	Evaluation of the options for reducing the environmental impacts of landfills	Mehmet Bulent Topkaya, Ipek Yilmaz, Mustafa Yildirim	Mehmet Bulent Topkaya	15:00
336	A Study on Accessibility and Optimum Positioning of Recycling Containers: Üsküdar Case	Ramazan Alper Kuçak, Ömer Ünsal, **Bahadır Çelik, Emre Özdemir, Raşit Uluğ**	**Bahadır Çelik**	15:15
32	A Study of Pollutions and its Environmental Effects in the Leachates Spreading from a Deposit Area with Geophysical and The Water Analyses Methods: A Case Study (Sivas, Turkey)	**Sevda Özel, Ali Yılmaz**	**Ali Yılmaz**	15:30
280	**Fractal Analysis of the Lagoons in the Kızılırmak** Delta	Azize Uyar, Derya Öztürk	Azize Uyar	15:45
124	Determination of some mechanical, physicochemical and chemical properties of potato starch based edible film involving propolis	**Evren Gölge, Emre Bostancı, Aygül Aktaş**	Evren Gölge	16:00
331	Sustainable Water Management in Developing Countries "An international network project on water-related problems"	Andreas Haarstrick	Andreas Haarstrick	16:15
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Rapid fire presentations – Day 1
Afternoon session – October 4th – Sala Convegni
Chair: Spyros Karakitsios – Dimitris Chapizanis

Abstract	*Title*	*Authors*	*Presenter*	*Time*
366	Generation of oxygen species is linked to ambient air PMx sources	Marianthi Kermenidou, Spyros Karakitsios, Dimosthenis Sarigiannis	Marianthi Kermenidou	17:00
274	Water Consumption Assessment of the Hotels in Istanbul	Dursun Zafer Seker, Cem Deniz Sahin, Ahmet Ozgur Dogru, Mehmet Zeki Imamoglu, Nüket Sivri	Ahmet Ozgur Dogru	17:05
364	Human exposure assessment to multiple chemicals using biomarkers	Dimosthenis Sarigiannis, Evangelos Handakas, Alberto Gotti, Spyros Karakitsios	Spyros Karakitsios	17:10
365	Modeling of elimination half-life for environmental chemicals	Krystalia Papadaki, Spyros Karakitsios, Dimosthenis Sarigiannis	Krystalia Papadaki	17:15
363	Emerging methodologies for personal exposure assessment: coupling portable sensor data and agent based modelling (ABM)	Dimitris Chapizanis, Spyros Karakitsios, Dimosthenis Sarigiannis	Dimitris Chapizanis	17:20
176	Microbiological Air Sampling of Operating Rooms in a Veterinary Hospital	**Arzu Funda Bagcigil, Barış Halaç, Ayşe Ilgın Kekeç, Dilek Olgun Erdikmen, Didar Aydın Kaya, Özlem** Güzel, Seyyal Ak, Nüket Sivri	Arzu Funda Bagcigil	17:25
338	Nanoparticles concentration, number and size distributions in outdoor and indoor locations	Evangelos Handakas, Spyros Karakitsios, Dimosthenis Sarigiannis	Evangelos Handakas	17:30

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Welcome Cocktail – Casa dell'Aviatore — 19:00-20:00

MESAEP General Assembly – Casa dell'Aviatore — 20:00-22:00

Rapid fire presentations – Day 1
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Chair: Dimosthenis Sarigiannis – Bahadir Sezer

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14	Effect of the Nature of the Reagent on the Leaching of a Metal Oxide	Souad Djerad, Naima Habbache, Lakhdar Tifouti	Souad Djerad	17:00
96	Effects of phosphate sludge on composting of municipal organic wastes	Nabila Saadaoui, Amira Fetouab, Youssra Assamadi, Meryem Ait Kaddour, Khalid Fares	Nabila Saadaoui	17:05
106	Ceramic membranes manufactured from industrial wastes	Mohamed Loutou, Rachid Hakkou, Mohammed Mansori, Jones Alami	Mohamed Loutou	17:10
107	Membranes preparation from mineral and organic waste mixtures	Wafa Misrar, Mohamed Loutou, Latifa Saadi, Mohammed Mansori, Mohamed Waqif, Claude Favotto	Wafa Misrar	17:15
189	"Municipal Solid Waste Management in Istanbul"	Hatice Catal Reis	Hatice Catal Reis	17:20
192	The Perceptions of Holiday-Makers in Summer Houses Towards Sustainable Environment	Bahadir Sezer, Orhan Akova, Suna **Muğan Ertuğral**	Bahadir Sezer	17:25
303	Investigation of the utility of biomass power plant ashes for pathogen removal from poultry manure	Ömer Hulusi Dede, Hasan Özer	Ömer Hulusi Dede	17:30
337	Evaluation of municipal organic waste management optimization using life cycle assessment: A case study of Antalya	Kemal Aktas, Bülent Topkaya	Kemal Aktas	17:35
341	Sewage sludge long-term agricultural re-use: Role of soil texture in controlling soil properties	Helmi Hamdi, Sarra Hechmi, Mohamed Naceur Khelil, Inès Rahma Zoghlami, Saoussen Benzarti, Sonia Mokni Tlili, Abdennaceur Hassen, Naceur Jedidi	Helmi Hamdi	17:40
357	Temporal Assessment of Natural Wetlands via Remotely Sensed Data: A Case Study from Turkey	Adalet Dervisoglu, Burhan Baha Bilgilioglu, Nur Yagmur, Nebiye Musaoglu, Ayse Gul Tanik	Adalet Dervisoglu	17:45
368	Anaerobic digestion of cellulose rich agro residues of rice and wheat farming: Focussing on the effects of biological and mechanical pretreatments	Dimosthenis Sarigiannis, Konstantinos Zarifidis, Ioannis Zarkadas	Dimosthenis Sarigiannis	17:50
369	Growth of microalgae chlorella vulgaris on biogas and anaerobic digestion of the recovered microalgal biomass for biofuels production: Toward a zero carbon society	Dimosthenis Sarigiannis, Michalis Vassou, Ioannis Zarkadas	Dimosthenis Sarigiannis	17:55

October 4th - Poster discussion of Day 1- Sala Convegni — 18:00-18:45

Welcome Cocktail – Casa dell'Aviatore — 19:00-20:00

MESAEP General Assembly – Casa dell'Aviatore — 20:00-22:00

Rapid fire presentations – Day 1
Afternoon session – October 4th – Sala Bisogno
Chair: Hande Demirel – Rosanna Mabilia

Abstract	*Title*	*Authors*	*Presenter*	*Time*
92	Producing geotourism map of Turkey using web-based GIS technology	H Ebru Colak, Sevket Bediroglu, Tugba Memisoglu	H Ebru Colak	17:00
142	Gnss Network Adjustment According to Different Aim Function	Ulku Kirici, Yasemin Sisman	Ulku Kirici	17:05
180	Non-Revenue Water Management in Turkey: Problems and Measures	I. Ethem Karadirek	I. Ethem Karadirek	17:10
208	Impervious Surface Determination And Mapping Using Landsat 8 OLI & TIRs Data in Istanbul	Filiz Bektas Balcik, Kaveh Khorshid	Filiz Bektas Balcik	17:15
233	Improving Development Plans According to the Pedestrian Accessibility	Ridvan Ertugrul Yildirim, Aziz Sisman	Ridvan Ertugrul Yildirim	17:20
296	Spatio- temporal Detection of Accessibility Change on Health Care: A Case Study for Istanbul	Wasim Shoman, Hande Demirel	Hande Demirel	17:25
297	Connectivity assessment of street networks, Ataturk airport's network as a case of study	Wasim Shoman, Hande Demirel	Hande Demirel	17:30
298	Measuring the Change in Walkability of an Urban Area via using Spatial Accessibility Analyses	Wasim Shoman, Hande Demirel	Hande Demirel	17:35
301	Estimation of Evapotranspiration using SEBAL Algorithm and Remotely Sensed Data, A Case Study: Northern Afghanistan	Ahmad Shah Frahmand, Dilek Eren Akyüz, Füsun Balık Şanlı, Filiz Bektas Balcik, Fatmagül Kılıç Gül	Filiz Bektas Balcik	17:40
316	Spatio-Temporal Evaluation Of Built-Up Areas In Mediterranean Coastline Using Satellite Images	Gizem Karadal, Betül Şallı, Raziye Hale Topaloğlu, Elif Sertel, Nebiye Musaoğlu	Gizem Karadal	17:45
345	High Resolution Urban Mapping Using object Based Classification Approach: A Case Study in Izmir City	Raziye Hale Topaloğlu, Burhan Baha Bilgilioğlu, Elif Sertel	Raziye Hale Topaloğlu	17:50

October 4th - Poster discussion of Day 1- Sala Convegni — 18:00-18:45

Welcome Cocktail – Casa dell'Aviatore — 19:00-20:00

MESAEP General Assembly – Casa dell'Aviatore — 20:00-22:00

Keynote lecture – Sala Convegni **Simone Cresti – PRIMA Foundation**		9:00-9:45
COFFEE BREAK		9:45-10:15

Climate change mitigation and air pollution abatement – towards win-win solutions
Morning session – October 5th Oral presentations – Sala Convegni
Chair: Rainer Friedrich – Enrico Scoccimarro

Abstract	*Title*	*Authors*	*Presenter*	*Time*
373	An integrated approach to combat atmospheric pollution in smart cities through policy interventions and behavioural change – The ICARUS paradigm	Dimosthenis Sarigiannis	Dimosthenis Sarigiannis	10:15
103	Possible ways of mitigating the effects of climate change using efficient urban planning and landscape design principles in Turkey	Süleyman Toy, Neslihan Demircan, Metin Demir	Süleyman Toy	10:30
248	Conflicts between climate change mitigation and air pollution abatement	Rainer Friedrich	Rainer Friedrich	10:45
118	Characteristics of air pollution in the city of Erzurum	Metin Demir	Metin Demir	11:00
129	**"The Evaluation Of The Urban Agriculture As Urban** Ecosystem Services About The Mitigating Effects At **Climate Changes"**	Neslihan Demircan	Neslihan Demircan	11:15
137	A study of determinig environmental quality in lake Urmia in north–western Iran	Naiyer Gheshlagh Sofla, Hasan Yilmaz	Hasan Yilmaz	11:30
228	Enlarging road surfaces and urban climatic conditions in the sample of a middle – sized Turkish city, Erzurum, Turkey	Muhammed Yasin Çodur, Süleyman Toy, Ahmet Ünal	Muhammed Yasin Çodur	11:45
254	Dynamic Monitoring of Land Cover Change: A Recent Study for Istanbul Metropolitan Area	Wasim Shoman, Merve Korkutan, **Uğur Alganci, Hande Demirel**	Wasim Shoman	12:00
356	Extreme events of perceived temperature over Europe: a projected northward extension of dangerous area	Enrico Scoccimarro, Pier Giuseppe Fogli, Silvio Gualdi	Enrico Scoccimarro	12:15
384	A meteorological monitoring network to investigate climate change in towns: six Mediterranean urban case studies	Cristina Lavecchia, Samantha Pilati, Pamela Turchiarulo, Cinzia Ferrari, Luca Avellis, Laura Mancini	Cristina Lavecchia	12:30
289	Investigation of the Effect of Traffic on Environmental Pollution	Muhammed Yasin Çodur, Ahmet Ünal	Muhammed Yasin Çodur	12:45

LUNCH BREAK	13:00-14:30

Keynote lecture – Sala Convegni Simone Cresti – PRIMA Foundation		9:00-9:45
COFFEE BREAK		9:45-10:15

Ecotoxicity and biodiversity

Morning session – October 5th Oral presentations – Sala Marconi

Chair: Wahida Loucif Ayad – Ariola Bacu

Abstract	*Title*	*Authors*	*Presenter*	*Time*
17	The use of broadband vegetation indices in cultivated land detection with Landsat 8 OLI multi-temporal images	Ugur Alganci	Ugur Alganci	10:15
54	Review on Honeybee Diseases in Algeria	Wahida Loucif Ayad, Nizar Haddad, Ahmed Hichem Menail, Noureddine Adjlane, Niels Piot, Ivan Meeus, Guy Smagghe	Wahida Loucif Ayad	10:30
56	Detection of woody vegetation structural stress in urban forests using thermal imaging	Yiannis Zevgolis, George K Vasios, Andreas Y. Troumbis	Yiannis Zevgolis	10:45
72	Assessing the periodicity of pollution incidents on sea routes in Marine Protected Areas in the Greek Exclusive Economic Zone	Chrysoniki Metaxa, Yiannis Zevgolis, Andreas Y. Troumbis	Chrysoniki Metaxa	11:00
98	Adverse effects of chronic exposure to spinosad (bioinsecticide) on hypopharyngeal glands and survival of {Apis mellifera intermissa} (Hymenoptera: Apidae)	Hichem Ahmed Menail, Wided Fella Boutefnouchet Bouchema, Wahida Ayad Loucif	Hichem Ahmed Menail	11:15
131	α-Glucosidase and α-amylase inhibitory activities of crude ethanol extract and fractions of endemic Hyacinthella acutiloba K.Press. & Wendelbo bulbus	Nuraniye Eruygur, Emrah Dural, **Mehmet Tekin, Hülya Özpınar**	Nuraniye Eruygur	11:30
169	Pigment synthesis at early stages of development at GM and non-GM maize cultivars under herbicide treatment	Ariola Bacu, Parashqevi Qirjaqi	Ariola Bacu	11:45
351	Investigation Of Artificial Surface Changes Inside Drinking Water Basins By Using Built Up Area Extraction Index (BAEI)	**Fulya Başak Sariyilmaz, Nebiye Musaoğlu**	**Fulya Başak Sariyilmaz**	12:00
378	An approach for the use of Zebrafish Embryo Bioassay for the detection of mixtures and emerging contaminants in water reuse	Ines Lacchetti, Mario Carere, Laura Mancini	Ines Lacchetti	12:15

LUNCH BREAK	13:00-14:30

Water and soil pollution and control
Afternoon session – October 5th Oral presentations – Sala Convegni
Chair: Nüket Sivri – Ilias Frydas

Abstract	*Title*	*Authors*	*Presenter*	*Time*
47	Seasonal Variations of Dissolved Nutrients and Trophic States in the Izmir Bay, Aegean Sea	Hakan Alyuruk, Aynur Kontas	Hakan Alyuruk	14:30
53	Sulfur-limestone autotrophic denitrification for treatment of nitrate and fluoride contaminated water	**Sevgi Demirel, Ibrahim Uyanık**	Sevgi Demirel	14:45
85	Investigation of the amount of water required for sugar beet by using remote sensing technology	**Önder Gürsoy, Ahmet Demirbaş,** Rutkay Atun	Önder Gürsoy	15:00
122	Optimization of the operating parameters of the coagulation-flocculation of surface waters by Fe3+	Anass Laabi, Brahim Lekhlif, Mahjoub Lakhdar, Abdelah Anouar Elfoulani, El Mehdi Zahidi	Anass Laabi	15:15
222	Heavy metal localization using X-ray microanalysis applied to Environmental Scanning Electron Microscopy (ESEM): a case study	Viviana Maresca, Sergio Sorbo	Sergio Sorbo	15:30
354	Usage in removal of indigo carmine by cross linked egg white as new biosorbent	Tulay Oymak, Esra Bagda	Tulay Oymak	15:45
273	Investigation of Antibiotic Resistance and Antibiotic resistant genes in (Escherichia coli) Isolates from Narman Landfill Area in Erzurum, Turkey	**Nüket Sivri, Arzu Funda Bağcıgil, Baran Çelik, Yıldırım Güngör**	Nüket Sivri	16:00
290	Environmental degradation Of Mediterranean Sea - Responses of the academic World: A bibliometric analysis	Ibrahim Ethem Karadirek, Mehmet Bulent Topkaya	Ibrahim Ethem Karadirek	16:15
311	Effect of humic acids and low molecular weight organic fungal exudates on aluminium bioextraction, mobility and bioaccumulation	Martin Urík, Filip Polák, Marek **Bujdoš, Ingrid Hagarová, Peter Matúš**	Martin Urík	16:30
	COFFEE BREAK			17:15-17:45

Energy, environment and sustainability
Afternoon session – October 5th Oral presentations – Sala Marconi
Chair: Massimo Zucchetti – Paraskevi Mentzelou

Abstract	*Title*	*Authors*	*Presenter*	*Time*
41	Initiatives for Energy Sustainability: Evidences from Sweden	Santosh Kumar Mishra	Santosh Kumar Mishra	14:30
82	Experimental and theoretical investigation of the ventilation level and comfort conditions of an indoor aquatic center	Maria Markogiannaki, Giorgos Panaras, Evangelos I. Tolis, Ioannis A. Sakellaris, John G. Bartzis	Giorgos Panaras	14:45
95	Exploration of a fast pathway to nuclear fusion as a competitive energy source option	Massimo Zucchetti, Stefano Segantin, Raffaella Testoni, Dennis Whyte	Massimo Zucchetti	15:00
190	The Effects of Image Defogging on the Traffic Safety	Muhammed Yasin Çodur, Nur Hüseyin Kaplan, Ahmet Ünal	Muhammed Yasin Çodur	15:15
191	Relationship Between Population, Number of Tourists, Traffic Jam and Air Pollution as Important Carrying Capacity Components	**Orhan Akova, Egemen Güneş Tükenmez, Yusuf Yıldırım**	Orhan Akova	15:30
195	3D Spatial Analyses with Open Source Software in An Urban Planning Use Case	Ziya Usta, Çetin Cömert	Ziya Usta	15:45
200	Simulation Testing Of Some Organic Materials As Alternative Fuels For Performance Improving Of An Albanian Cement Plant	Ilirjan Malollari	Ilirjan Malollari	16:00
271	Finding the Best Locations for Photo-voltaic Energy Panel Installation in Urbanized Areas	Hande Yesilmaden, Ahmet Ozgur Dogru	Ahmet Ozgur Dogru	16:15
318	Reducing Desktop Energy Footprint in an Academic Computer Lab: A Case Study Report	Paraskevi Mentzelou, Dimitrios Voultsios, Konstantinos Athanasiadis	Paraskevi Mentzelou	16:30
328	Monitoring Agricultural Lands with Remote Sensing & GIS Technology and Reviewing Smart Approaches in Agriculture: in Turkey - Trakya Region	Saziye Ozge Donmez, Hasan Tonbul	Saziye Ozge Donmez	16:45
65	Spatiotemporal changes in coastal area of Trabzon Province, Turkey using GIS	H. Ebru Colak, Tugba Memisoglu, Y. Selcuk Erbas	Tugba Memisoglu	17:00
	COFFEE BREAK			17:15-17:45

Rapid fire presentations – Day 2
Afternoon session – October 5th – Sala Convegni
Chair: Tugba Memisoglu – **Tereza Švestková**

Abstract	*Title*	*Authors*	*Presenter*	*Time*
13	Optimization of Industrial Waste Load on a Wastewater Treatment Plant in Istanbul	Gurdal Kanat, Derya Yeter	Gurdal Kanat	17:45
25	Characterization of household and assimilated waste in the city of Tangier	Mouhssine Abderrahim, Brigui Jamal, Khaddor Mohamed	Mouhssine Abderrahim	17:50
63	Environmental Pollution Risk Zones for Of/Solakli Stream Valley of Trabzon, Turkey Using Multi-Criteria Decision Making and GIS	Tugba Memisoglu, H. Ebru Colak	Tugba Memisoglu	17:55
86	The use of remote sensing and local spectral measurements in the determination and monitoring of water pollution	Önder Gürsoy, Fuat Özyonar, Rutkay Atun	Önder Gürsoy	18:00
138	The effect of the agitation on the process of the bio-methanisation of sludge from sewage treatment plants	Aitlahyane Soukaina, Aityacine Zehor, Hanine Hafida, Lekhlif Brahim	Aitlahyane Soukaina	18:05
164	Weaknesses and Threats in Potable Water Resources Management of Antalya (Turkey)	Firdes Yenilmez	Firdes Yenilmez	18:10
171	Geochemical studies in a heavily modified Mediterranean coastal lake	Fani Sakellariadou, Danae Antivachis	Fani Sakellariadou	18:15
214	Use of Advanced Oxidation Processes for Water Treatment	**Tereza Švestková**, Pavlína Landová, **Tomáš Macsek, Michal Úterský,** Milada Vávrová, Petr Hlavínek	**Tereza Švestková**	18:20
229	Nutrient Recovery from Human Urine by Chemical Precipitation	**Işık Kabdaşlı, Burak Sertaç, Olcay** Tünay	Burak Sertaç	18:25
239	Estimation of chemical-physical parameters and bacterial indicators FC/FS in Velipoja area waters (Adriatic sea)	Klementina Puto, Ornela Luka	Klementina Puto	18:30
284	Damage Level Prediction of a Breakwater By Using Terrestrial Laser Scanner	Dursun Zafer Seker, Aysun Koroglu Dogan, Sedat Mehmet Kabdasli, Hakan Karabork, Ayhan Goktepe, Evren Varol	Aysun Koroglu Dogan	18:35
307	Horizontal Deformation Monitoring at the Deriner Dam	**Berkant Konakoğlu, Ertan Gökalp, Ömer Özdemir, Fatih Kadı, Volkan** Yilmaz	**Fatih Kadı**	18:40
315	Sediment Monitoring In Dams With Bathymetric Survey For The Management Of Natural Water Resources: Obruk Lake Dam Case	Veli Ilçi, Ibrahim Murat Ozulu, Reha Metin Alkan, Serdar Erol, Murat Uysal, Yunus Kalkan, Serdar Bilgi, **Dursun Zafer Şeker**	Veli Ilçi	18:45
327	Monitoring Unauthorized Industrial Discharges Using Biofilm Samplers	Mehmet Emin Aydin, Senar Aydin, Fatma Beduk	Mehmet Emin Aydin	18:50

Panel on Migration – Sala Convegni — 19:00-19:45

Official Gala dinner – Hotel Boscolo Exedra — 20:30

Rapid fire presentations – Day 2

Afternoon session – October 5th – Sala Marconi

Chair: Süleyman Toy – Dursun Zafer Seker

Abstract	Title	Authors	Presenter	Time
16	Evaluation of production in segregating generations derived from interspecific crosses in sunflower (h.annuus) and (h. argophyllus)	Muhammad Mubashar Hussain, Dr Saeed Rauf, Mrs Maria Khan, Mrs Maria Kausar	Muhammad Mubashar Hussain	17:45
126	Estimation of "in vitro" antioxidant and antimicrobial activity of methanol extracts from Stevia "Stevia rebaudiana"	Nuraniye Eruygur, Mehmet Atas, Esra Ucar, Yasar Ozyigit, Kenan Turgut	Nuraniye Eruygur	17:50
132	Determination of patulin levels in apple juices by HPLC-UV	Emrah Dural	Emrah Dural	17:55
167	Trophic Relationship of Five Shark Species Around Gökçeada Island (north eastern Aegean Sea)	Emre Yemisken, Joan Navarro, Manuela Forero, Persefoni **Megalofonou, Lutfiye Eryılmaz**	Emre Yemisken	18:00
253	Mapping Hazelnut Trees from high resolution digital orthophoto maps: A Comparative analysis of an **object-based and pixel-based approach**	Bulent Bayram, Akhtar Jamil, Dursun Zafer Seker	Bulent Bayram	18:05
346	The effect of storage in reused brewing yeast	Linda Luarasi, Rozana Troja, Luljeta Pinguli	Linda Luarasi	18:10
104	Checking two-year differences in climatic elements between urban and rural areas after a ten year period considering some effective parameters and solutions	Süleyman Toy	Süleyman Toy	18:15
105	Evaluation of the Relationship between Air Pollution and Some Climatic Elements in Urban Areas in the Sample of Erzurum City	Süleyman Toy	Süleyman Toy	18:20
299	Temperature variability and UHI effects in urban and suburban areas of Matera (Southern Italy)	Giuseppina Anna Giorgio, Maria Ragosta, Vito Telesca	Giuseppina Anna Giorgio	18:25
317	Investigation of the effects of wetlands on micro-climate	**Çağdaş Kuşçu Şimşek, Halime Ödül,** Enes Güran	**Çağdaş Kuşçu Şimşek**	18:30
48	Effect of Hydrogeomorphological Changes in Flood Plain on Bridge Multihazard Performance	Orkan Özcan, Okan Özcan	Okan Özcan	18:35
263	Using UAV to Quantify Environmental Impact of Mining Activities in Forests	Abdullah Harun Incekara, Tekin Susam, Ahmet Delen, Dursun Zafer Seker	Abdullah Harun Incekara	18:40
125	The role of yearly distribution of bioclimatic comfort conditions in the energy efficient development and performance of ecotourism activities in north east Anatolia, Erzurum, Turkey	**Elif Akpinar Külekçi, Süleyman Toy**	**Elif Akpinar Külekçi**	18:45
87	Spatio-temporal air pollution monitoring using daily recorded sensor dataset with creating density maps	**Gamze Bediroğlu, Şevket Bediroğlu, Hüsniye Ebru Çolak, Tuğba Memişoğlu**	Gamze Bediroğlu	18:50

Panel on Migration – Sala Convegni — 19:00-19:45

Official Gala dinner – Hotel Boscolo Exedra — 20:30

Rapid fire presentations – Day 2
Afternoon session – October 5th – Sala Bisogno
Chair: Güzide Öncü Eroğlu Pektaş – Orkan Ozcan

Abstract	Title	Authors	Presenter	Time
112	Comparing two different spatial interpolation approaches to characterize spatial variability of soil properties in Tuz Lake Basin- Turkey	Taha Gorji, Ugur Alganci, Elif Sertel, Aysegul Tanik	Ugur Alganci	17:45
121	Contribution of dam lakes to recreation; Kuzgun dam	Metin Demir, Neslihan Demircan, Süleyman Toy	Metin Demir	17:50
381	Exposomics analysis linking environmental exposures to neurodevelopmental disorders: A combination of metabolomics and bioinformatics analysis	Dimosthenis Sarigiannis, Katerina Tsioka, Nafsika Papaioannou, Evangelos Handakas, Alkaterini Gabriel, Spyros Karakitsios	Nafsika Papaioannou	17:55
175	Investigation of Exploratory Factor Analysis Method to Improve Urban Growth Simulation Model Accuracy	Ismail Ercument Ayazli, Omer Bilen	Ismail Ercument Ayazli	18:00
197	A Research on the Visibility of Environment Policy and Practices in the Internet Sites of Hotels	**Ecem Tezgel, Cüneyt Camgöz, Doğuş** Gülyuva, Orhan Akova	Cüneyt Camgöz	18:05
1	Effects of Urban Landscape Pattern on PM10 Pollution—A Besiktas Case Study	**Gül Aslı Aksu, Şermin Tağıl**	**Gül Aslı Aksu**	18:10
235	Establishment of Information Systems Within the Context of Sustainable Environmental Awareness: The case of Hitit University	Mustafa Cosar, Reha Metin Alkan	Mustafa Cosar	18:15
45	Consistency of UAV-Derived Point Clouds and Orthophotos Acquired at Various Altitudes	Orkan Ozcan	Orkan Ozcan	18:20
333	An Investigation on the detection of light pollution in Istanbul	Mustafa Tevfik Ozludemir, Kerem Halicioglu, Muge Albayrak, Rasit Ulug, Burak Basoglu	Mustafa Tevfik Ozludemir	18:25
267	Determining the Quantification of Coastal Erosion Using UAV; A Case Study of Trabzon – Turkey	Batuhan Sariturk, Ozan Ozturk, Dursun Zafer Seker	Batuhan Sariturk	18:30
204	Analyzing the Impact of an Earthquake on the Shoreline with use of SAR Images as Alternative Dataset	Nusret Demir, Bülent Bayram, **Dursun Zafer Şeker, Selen Oy, Salih** Bozkurt, Abdülkadir Ince	Bülent Bayram	18:35
323	The Impact of Syrian Immigrants on Istanbul Tourism Flow	Muge Senel, Emre Colak, Ali Tunc	Muge Senel	18:40
275	Monitoring of Forest Fires Using Low-Budget Unmanned Aerial Vehicles	Ozan Ozturk, Batuhan Sariturk, Dursun Zafer Seker, Muhammet Mustafa Gozel	Ozan Ozturk	18:45

Panel on Migration – Sala Convegni — 19:00-19:45

Official Gala dinner – Hotel Boscolo Exedra — 20:30

October 6th - Poster discussion of Day 2- Sala Convegni	9:00-10:00
Keynote lecture – Sala Convegni Antonio Navarra – Mediterranean Center for Climate Change	10:00-10:30
COFFEE BREAK	10:30-11:00

Natural and man-made environmental disasters
Morning session – October 6th Oral presentations – Sala Convegni
Chair: Emanuele Brunesi – Dursun Zafer Şeker

Abstract	*Title*	*Authors*	*Presenter*	*Time*
50	Air Transportation Network Analysis for Turkey: A Natural Disaster Scenario	Samet Feyyaz Hamamci, Emre Özdemir, Hande Demirel	Hande Demirel	11:00
60	Seismic vulnerability assessment of storage steel tanks in industrial areas: a case-study	Emanuele Brunesi, Marta Faravelli, Barbara Borzi, Marcello Cademartori, Chiara Morassi	Emanuele Brunesi	11:15
62	Terrorist Risk Assessment for Chemical Plant – Case Study	Stefano Simoni, Marco Pontiggia	Stefano Simoni	11:30
76	Seismic Risk Analysis of Pressure Vessels	Marcello Cademartori, Chiara Morassi, Rossella Siano, Marta Faravelli, Emanuele Brunesi	Marcello Cademartori	11:45
91	Determination of the Environmental Impacts of Marine Accidents Using UAV and RS Technologies	**Cem Gazioğlu, Özgür Evren Varol, Dursun Zafer Şeker, Nuray Balkıs**	**Cem Gazioğlu**	12:00
166	Communicating multi-hazard health risk through a web-gis platform: a case-study	Mauro Onida, Marta Faravelli, Alberto Gotti, Denis Sarigiannis	Mauro Onida	12:15
177	Modeling the Deformations of Ataturk Dam by Using GIS	Volkan Özbey, Himmet Karaman, **Hasan Hakan Yavaşoğlu**	Volkan Özbey	12:30

Environmental economics, policy and education
Morning session – October 6th Oral presentations – Sala Marconi
Chair: Ibrahim Murat Ozulu – Denis Sarigiannis

Abstract	*Title*	*Authors*	*Presenter*	*Time*
15	Determining Pharmaceutical Waste Generation Capacity in Istanbul and the Habits Relating to Pharmaceutical Waste Disposal	Ilter Turkdogan, Tolga Sonisik, Gamze Dalgic	Ilter Turkdogan	11:00
80	The Usage of Unmanned Aerial Vehicles (UAVs) for Cultural Heritage Mapping	**İbrahim Murat Ozulu, Veli İlçi,** Reha Metin Alkan	Ibrahim Murat Ozulu	11:15
116	Evaluation of the SRTM Water Body Data over Turkey	Ibrahim Öztug Bildirici, Ramazan Alpay Abbak	Ibrahim Öztug Bildirici	11:30
188	**Mapping İstanbul Open Mining Regions using** Landsat 8 OLI&TIRs Data	**Filiz Bektaş Balçik, Raziye Hale Topaloğlu, Çiğdem Göksel**	Filiz Bektaş Balçik	11:45
291	Waste Management Awareness: A communication Policy of the Local Governments	Gozdem Aysu, Gül Tüzün	Gozdem Aysu	12:00

LUNCH BREAK	12:45-14:30

New and emerging technologies for environmental and health applications
Afternoon session – October 6th Oral presentations – Sala Convegni
Chair: Thomas Maggos – Alberto Gotti

Abstract	*Title*	*Authors*	*Presenter*	*Time*
300	Aircraft GHGs and VOCs measurements over the Athens and Thessaloniki Greater Area	Thomas Maggos, Themistoklis Soulos, Nikolaos Grigoriou, Panagiotis Panagopoulos, Helena Flocas, Christos Vasilakos, Alberto Gotti, Spyros Karakitsios, Dimosthenis Sarigiannis	Thomas Maggos	14:30
250	Aerospace research as a seed of entrepreneurship for social welfare	Luca Mazzola	Luca Mazzola	14:45
264	GIS Based Evaluation of Health Services in Turkey	Ahmet Ozgur Dogru, Tulay Aslan, Nesibe Necla Ulugtekin, Dursun Zafer Seker	Ahmet Ozgur Dogru	15:00
265	Geographic Distribution and Expansion of Hepatitis A and A Dysentery Cases in Black Sea Catchment Region in Turkey	Ahmet Ozgur Dogru, Necla Ulugtekin, Cigdem Goksel, Filiz Bektas Balcik, Seval Alkoy, Seval Sözen	Seval Sözen	15:15
278	Green Areas Examination Based on Spatial Sufficiency and Accessibility through GIS	Asli Kahraman, Ahmet Ozgur Dogru, Dursun Zafer Seker, Nesibe Necla Ulugtekin, Fatih Terzi, Handan Turkoglu	Dursun Zafer Seker	15:30
295	Analysing Various Gridding systems for Land Cover/Land Use Information: A Study Conducted for Green Areas	**Wasim Shoman, Uğur Alganci,** Hande Demirel	Wasim Shoman	15:45
150	Shoreline Extraction using UAV-LIDAR data and UAV-Aerial Photographs	Bulent Bayram, Dursun Zafer Seker, **Burak Akpinar, Nusret Demir, Yalcin** Yuksel	Bulent Bayram	16:00
324	Bioaccessibility of PBDEs present in indoor dust: A novel dialysis membrane method with a Tenax TA® absorption sink	Katerina Kademoglou, Adrian C Williams, Chris D Collins	Katerina Kademoglou	16:15
350	Genomic technologies and customized medicine: how to manage the breakdown of the european national healthcare systems.	Francesco Martelli, Piero Nobili, Francesca Torricelli	Francesco Martelli	16:30
361	Pathway analysis of prenatal combined exposure to heavy metals and phthalates related child motor development	Dimosthenis Sarigiannis, Kinga Polanska, Wojciech Hanke, Athanasios Salifoglou, Aikaterini Gabriel, Nafsika Papaloannou, Evangelos Handakas, Spyros Karakitsios	Nafsika Papaloannou	16:45
372	High dimension biological analysis of carbon nanotube toxicity	Dimosthenis Sarigiannis, Spyros Karakitsios, Aristides Tsatsakis, Kirill Golokhvast, Ayse Basak Engin	Spyros Karakitsios	17:00

October 6th - Poster discussion of Day 3 - Sala Convegni — 17:15-18:00

Symposium closing – Sala Convegni — 18:00-19:00

Poster presentations

Environmental and health inequities – socio-economic determinants of exposure

Morning session at Coffee Break – October 4th Posters

Abstract	Title	Authors	Presenter	Time
42	Urogenital cancers in Beni-Mellal-Khenifra region (Morocco) in 2010, 2011, 2014 and 2015	Lahoucine Bahi	Lahoucine Bahi	
157	Cutaneous leishmaniasis risk factors in the Tadla-Azilal focus, Morocco	Lahoucine Bahi, Fatima Zahra Abou Elaaz, Siham Bouhdadi, Souad Bouhout, Oumnia Himmi, Abderrahmane Maaroufi, Souad Guernaoui	Fatima Zahra Abou Elaaz	
170	Risk factors for iron deficiency anemia in Tadla Local Hospital, Morocco	Siham Bouhdadi, Abou Elaaz Fatima Zahra, Abderrahlane Taik, Soumaya Hamada, Souad Guernaoui, Lahoucine Bahi	Siham Bouhdadi	
343	Detection of tetracycline resistance genes in "Escherichia coli" strains isolated from Istanbul coastal area using PCR	**Nüket Sivri, Belgi Diren Sığırcı**, Baran **Çelik, Arzu Funda Bağcıgil**	Nüket Sivri	

Environmental health & well-being

Morning session at Coffee Break – October 4th Posters

Abstract	Title	Authors	Presenter	Time
21	Preimaginal exposure to azadirachtin affects fitness and oviposition site preference of Drosophila melanogaster	Samira Kilani Morakchi, Radia Bendjazia, Nadia Aribi	Samira Kilani Morakchi	
37	Molecular Structure and Computational QSAR Models can help in identifying Hazardous Chemicals and in designing more environmentally sustainable compounds	Paola Gramatica, Ester Papa, Alessandro Sangion	Paola Gramatica	
44	Evaluation of therapeutic effect of the plant (triticum durum) on some biomarkers in wistar rats exposed to lead	Ouarda Bentayeb Mansouri, Cherif Abdennour, Malika Saidi	Ouarda Bentayeb Mansouri	
117	Quantification of exposure to green space and related factors and their associated health benefits	Charlotte Wendelboe Nelson, John W Cherrie	Charlotte Wendelboe Nelson	
123	Assessing individual exposure by integrating personal, micro-environment monitoring and exposure modelling	Dimosthenis Sarigiannis, Evangelos Handakas, Dimitrios Chapizanis, Spyros Karakitsios	Evangelos Handakas	
133	Determination of phthalate levels in cosmetic and personal care products by HPLC-UV	Emrah Dural	Emrah Dural	
134	Health impact assessment in industrial contaminated sites: Systematic review (COST Action IS1408)	Andreja Kukec, Kairong Xiong, Isabell Rumrich, Roberto Pasetto, Otto Hänninen, The Cost Action Is1408 Working Group 3	Andreja Kukec	
135	Health risk and health impact of European industrially contaminated sites: Current practices (COST Action IS1408)	Isabell Rumrich, Andreja Kukec, Kairong Xiong, Roberto Pasetto, Otto Hänninen, And The Cost Action Is1408 Working Group 3	Andreja Kukec	
213	Seasonal Assessment of Beach Solid Waste and Litter in Urbanized and Non-Urbanized Four Beach in Antalya Coasts	**Gönül Tuğrul İçemer, Tuğçe Atıcı, Y. Büşra Bayrak Çamlıca, Çisem Ulukılıç**	Gönül Tuğrul İçemer	
294	Prospects of Garlic extract use as pest control in sustainable agriculture	Laura Casorri, Eva Masciarelli, Barbara Ficociello, Patrizia Papetti, Claudio Beni	Laura Casorri	
375	The role of Green urban area for human well-being: Pilot study among park users of Rome (Italy)	Stefania Marcheggiani, Camilla Puccinelli, Davide Tinti, Alessandro Pinter, Laura Mancini	Stefania Marcheggiani	
385	BlueHealth community-level intervention: the Appia Antica Park - urban blue spaces and their effect on citizens' well-being	Camilla Puccinelli, Stefania **Marcheggiani, Emilio D'Ugo**, Mario Figliomeni, Luca Avellis, Fabrizio Volpi, Lewis Elliott, Mireia Gascòn, James Grellier, Giuseppe Turrisi, Fabrizio Piccari, Francesca Mazzà, Lora Fleming, Laura Mancini	Camilla Puccinelli	

Indoor and outdoor air pollution

Lunch time session – October 4th Posters

Abstract	Title	Authors	Presenter	Time
81	Air quality measurements in a medium scale athletic hall: diurnal and I/O ratio analysis	Evangelos Tolis, Giorgos Panaras, Epameinondas Douklias, John Bartzis	Evangelos Tolis	
119	Development of a model for prediction of gas-particle partitioning of polycyclic aromatic hydrocarbons at urban and industrial locations	**Jelena Radonić, Zvonko Rakarić, Maja Turk Sekulić, Mirjana Vojinović** Miloradov	**Jelena Radonić**	
186	An assessment of indoor and outdoor air concentrations of volatile organic compounds and NO2 in schools of the Ciudad Real province, Spain	Florentina Villanueva, Rosanna Mabilia, Sonia Lara, Pilar Martin, Beatriz Cabañas, Ernesto Martinez	Florentina Villanueva	
224	Operation and Repair/Maintenance Emission and Waste Estimation of a Ferry from Life Cycle Perspective	Levent Bilgili, Yagiz Yetkin Azizler, Ugur Bugra Celebi	Yagiz Yetkin Azizler	
225	Shipyard Welding Emission Estimation for Different Electrode Types	Levent Bilgili, Tolga Mert, Ugur Bugra Celebi, Serkan Ekinci, Yagiz Yetkin Azizler	Yagiz Yetkin Azizler	
238	Dispersion Modeling of Welding Originated Shipyard Emissions	S Levent Kuzu, Tolga Mert, Levent Bilgili, **Uğur Buğra Çelebi, Serkan** Ekinci	S Levent Kuzu	
245	The use of bioindicators for assessing atmospheric pollution with platinum metals	Renata Komendova, Lucie Nedvedicka	Renata Komendova	
279	Commuter exposure to particle-bound Polycyclic Aromatic Hydrocarbons in Thessaloniki, Greece	Konstantina Karageorgou, Evangelia Manoli, Athanasios Kouras, Constantini Samara	Konstantina Karageorgou	
287	Application of MCA for studying as the lifestyle and the air quality can affect forms of sleep disordered breathing	Maria Ragosta, Giuseppina Anna Giorgio, Mariagrazia D'emilio, Ornella Salimbene, Patrizia Riccio	Maria Ragosta	
359	A web based platform for air pollution data analysis and exposure assessment	Nicolas Barouki, Evangelos Handakas, Spyros Karakitsios, Denis Sarigiannis	Nicolas Barouki	

Natural and man-made environmental disasters

Lunch time session – October 4th Posters

Abstract	Title	Authors	Presenter	Time
93	Risk assessment of Q-Max LNG Tanker accident in Istanbul Bosphorus	Cem **Gazioğlu, Uğur Karabay, Volkan** Demir	**Cem Gazioğlu**	
272	Investigating of the Spatial Relationship Between Hot-springs and Fault Lines in Turkey	**Dursun Zafer Şeker**	**Dursun Zafer Şeker**	
319	(Determination of Locations of Forest Fires Response Facilities by K_ Mean Algorithm)	Yasemin Ozkan, Aziz Sisman	Yasemin Ozkan	
349	Assessment of the Relationship between Land Cover and Land Surface Temperatures Utilizing Remotely Sensed Data: A Case Study of Silivri	Sinasi Kaya, Bahadir Celik, Cem Gazioglu, Ugur **Alganci, Dursun Zafer** Seker	**Ugur Alganci**	
383	Extreme Events and Health: An Italian local Pilot Study	Mario Figliomeni, Stefania Marcheggiani, V. Iacobini, Elisabetta Volpi, Simona Gaudi, Laura Mancini	Mario Figliomeni	

Sustainable natural resource and waste management

Afternoon session at coffee break – October 4th Posters

113	Preparation, Characterization and Properties of Psf / Nanoclay Membranes: Effect of Nanoclay	**Öykü Mutlu Salmanlı, Güler Türkoğlu Demirkol, Neşe Tüfekçi**	**Öykü Mutlu Salmanlı**
114	Effect of PVP Concentration on Prepared PEI Membranes for Potential Use on Water Treatment	**Öykü Mutlu Salmanlı, Suna Özden Çelik, Neşe Tüfekçi**	**Öykü Mutlu Salmanlı**
182	Monitoring the extraction process of resinous sap from the {Pistacia lentiscus} var chia using ground IR techniques	George K. Vasios, Yiannis Zevgolis, Andreas Y. Troumbis	George K. Vasios
183	Removal of Indicator Microorganisms in Pastures After Biosolid Application	Gülgün Dede, Pamir Abdulsamd	Gülgün Dede
236	Risk-Based Ship Waste and Emission Management System	**Levent Bilgili, Sahika Koyun Yılmaz,** Kaan Unlugencoglu, Tolga Mert, Ugur Bugra Celebi, Serkan Ekinci, Yagiz Yetkin Azizler	Yagiz Yetkin Azizler
282	Determination of the effects of chemical composition in river water by GIS in Tunceli Region, Turkey	**Serap Koşal Şahin, Dursun Zafer Şeker, Ülkü Alver Şahin, Nüket Sivri**	Nüket Sivri
335	Comparing the Contents of Heavy Metals in Waste Ashes of Power Plants Use Different Kinds of Fuels	Hasan Özer, Ömer Hulusi Dede, Salim **Özdemir, Tuğba Özer, Müşerref Sazak**	Hasan Özer
374	The issue of marine litter from a perspective of sustainable development for Mediterranean region	Federica Tommasi	Federica Tommasi

New and emerging technologies for environmental and health applications

Afternoon session at coffee break – October 4th Posters

Abstract	*Title*	*Authors*	*Presenter*	*Time*
6	Effects of a biopesticide Azadirachtin on development of the Mediterranean flour moth, Ephestia kuehniella Zeller	Yezli Toulker Samira	Yezli Toulker Samira	
23	Potential protective role of a novel antioxidant in Streptozotocin-induced diabetic rats under **oxidative stress of** γ-irradiation	Enas Moustafa, Eman Noaman, Ihsan Hedayat, Gamal Abu Sinna, Mohamed Mostafa	Enas Moustafa	
46	Multitemporal Analysis of Coastal Dynamics by High-Resolution Reconstruction of Topography Using UAVs	Orkan Ozcan	Orkan Ozcan	
51	The first heart rate records of pen shell {Pinna nobilis} and experience on transplantation in the Boka Kotorska Bay	Rajko **Martinović, Zoran Gačić, Sandra Jokanović, Ana Castelli, Milena Mitrić, Vesna Mačić, Slavica Petović, Dragana Drakulović, Nardo** Vicente, José Rafael Garcia March, José Tena Medialdea, Danijela **Joksimović**	**Rajko Martinović**	
221	Study of Substrate and Product Inhibition Effect on Immobilized Yeast Fermentation Kinetics	Terkida Prifti, Luljeta Pinguli, Ilirjan Malollari	Terkida Prifti	
352	Epigenetics in the mediterranean area: genome-pollution interaction.	Simona Federica Gaudi, Laura Mancini	Simona Federica Gaudi	
380	Innovative monitoring tools for the future implementation of the EU Water Framework Directive: the European Project INTCATCH	Stefania Marcheggiani, Mario Carere, Olga Tcheremenskaia, Massimo Delledonne, Marzia Rossato, Francesco Fatone, Alessandro Farineli, Jason Blum, Mateo Papa, Domenico Bloisi, A. Cordioli , Paolo Varotto, Alessandro Tittonel, Daniele Calisi, Francesca Giannone, Roza Allabash, Geoffrey Christopher Brighty, Laura Mancini, Alessandro Giuliani, Mark Scrimshaw	Stefania Marcheggiani	

Climate change mitigation and air pollution abatement – towards win-win solutions

Morning session at Coffee Break – October 5th Posters

Abstract	Title	Authors	Presenter	Time
67	Impacts of Climate Change on the Extremes of Temperature and Precipitation	**Evren Ozgur, Kasım Kocak**	Evren Ozgur	
173	Decadal Variations of Snow Seasons for Maritime and Continental Parts of Turkey	**Evren Ozgur, Kasım Kocak**	Evren Ozgur	
308	Informational parameters and synthetic multivariate indices for a smart monitoring network: the case study of hydro-meteorological data measured in Basilicata from 2000 to 2015.	Maria Ragosta, Giuseppina Anna Giorgio, Vito Telesca	Maria Ragosta	

Ecotoxicity and biodiversity

Morning session at Coffee Break – October 5th Posters

Abstract	Title	Authors	Presenter	Time
3	Levels of stabil dissolved oxygen concentration in coastal area under wave effects	**Esin Bozkurt, Sedat Kabdaşlı**	Esin Bozkurt	
4	Effect of captopril on growth development and cuticular secretion in pupae of the Mediterranean flour moth, Ephestia kuehniella Zeller	Yezli Touiker Samira, Amrani Kirane Leila, Meskache Rania, Soltani Nourredine	Yezli Touiker Samira	
5	Evaluation of the efficiency of biopesticide: azadirachtine on reproduction of Ephestia kuehniella (lepidoptera)	Meskache Rania, Yezli Touiker Samira, Soltani Nourredine	Meskache Rania	
18	The fungicide methyl thiophanate causes infertility in male rabbit	Leila Mallem, Fatiha Bououza, Cherif Abdenour	Leila Mallem	
22	In vitro toxicity of titanium oxide nanoparticles in Daphnia magna upon chronic aqueous exposure	Samira Djekoun Bensoltane, Mohamed Djekoun Djekoun, Karima Boutalbi Boutalbi, Smina Ait Hamlet Bourbia, Naziha Bouhafs Bourenane	Samira Djekoun Bensoltane	
39	Evaluation of the potential side-effects of novaluron an insect growth disruptor on the shrimp {Palaemon adspersus}: moulting hormone profile, cuticle secretion and chitin contents	Hinda Bentoubal Berghiche, Hamida Benradia, Noureddine Soltani	Hinda Bentoubal Berghiche	
43	Impact of the neonicotinoid insecticide, Actara® on the shrimp {Palaemon adspersus}: biomarkers measurement	Hinda Bentoubal Berghiche, Khaoula Touati, Salima Chouahda, Noureddine Soltani	Hinda Bentoubal Berghiche	
52	Evaluation of a neonicotinoid insecticide against the mosquitofish Gambusia affinis: impact on metric indexes and enzymatic activity of Glutathion S-transferase	Salima Chouahda, Yasmine Cheghib, Noureddine Soltani	Salima Chouahda	
84	Biochemical Stress Indicators of honey bees (Apis mellifera intermissa) after exposure to titanium dioxide TiO2	Bourenane Bouhafs Naziha, Ayad Loucif Wahida, Samira Bensoltane Djekoune	Samira Bensoltane Djekoune	
97	Histological Alterations in Gambusia affinis hépatopancreas Exposed to titanium dioxide nanoparticles TiO2	Bourenane Bouhafs Naziha, Ayad Loucif Wahida, Samira Bensoltane Djekoune	Samira Bensoltane Djekoune	
100	Toxicity of a novel Phosphoramidate on growth inhibition and oxidative stress status in the freshwater ciliate: {Paramecium aurelia}	Houneida Benbouzid, Houria Berrebbah, Malika Berredjem, Mohamed Réda Djebar	Mohamed Réda Djebar	
152	Seasonal Changes in Phytoplankton Community Structure of Western Coast of the Black Sea	Neslihan (balkis) Ozdelice, Merve Anda Peynirci	Neslihan (balkis) Ozdelice	
155	A case study: Ecological Quality Status of Susurluk River Basin (Marmara Sea)	**Serhat Albayrak, Senem Çağlar, Ayşegül Mülayim, Güley Kurt Şahin, Nur Fındık Çınar, Hakan Atabay,** Bilge Tutak, Hümeyra Bahçeci	**Senem Çağlar**	

Ecotoxicity and biodiversity

Lunch time session – October 5th Posters

Abstract	*Title*	*Authors*	*Presenter*	*Time*
184	Perceptions of local community of Lemnos Island on implementing proper management actions for wild **rabbits' overpopulation control**	George Vasios, Yiannis Zevgolis, Constantina Nasopoulou, Charalampos C. Karantonis, Constantinos Giaginis, Andreas Troumbis	George Vasios	
199	Analyzing trends and statistical significance in Biodiversity-Ecosystem Function theory	Despoina Chrysafi, Eleni Savvidou, Yiannis Zevgolis, Andreas Y. Troumbis	Despoina Chrysafi	
215	Temporal and spatial variability of micro and picophytoplankton in the Boka Kotorska Bay (Montenegro)	**Dragana Drakulović, Branka Pestorić, Aleksandra Huter**	**Dragana Drakulović**	
227	Methylmercury and total mercury in muscle and skin of the fish {Squalius cephalus}, and the effect of WWTP on its contents	**Kateřina Járová, Zuzana Králová,** Milada Vávrová, Michaela Charvátová	**Kateřina Járová**	
259	In vitro acetylcholinesterase and butyrylcholinesterase inhibitor activity evaluation of carrot juice	**Nuraniye Eruygur, Aslıhan Gürbüzer, Gülşah Kütük, Esra Uçar**	**Aslıhan Gürbüzer**	
302	Comparison of the Endpoints of Acute Toxicity Tests Regarding Turkey Regulations	Vildan Zülal Sönmez, Nüket Sivri	Nüket Sivri	
342	Individual and joint phytotoxicity of heavy metals and salinity to three cultivated plant species: lettuce, radish and sulla	Saoussen Benzarti, Safa Chouiref, Hbib Ben Hassine	Saoussen Benzarti	
353	Object-oriented Fuzzy Image Processing Approach to Define Toxicology Level Using the Genus Daphnia	Bulent Bayram, Dursun Zafer Seker, V. Zulal Sonmez, Hatice Catal Reis, Okay Ozdilek, Nuket Sivri	Bulent Bayram	
387	Ecotoxicological evaluation of contaminated sites by a bioassay battery: comparison of different integrated evaluation systems	M.T. Palumbo, M. Mingazzini, A. Barra Caracciolo, P. Grenni, E. Donati, E. Galli, I. Lacchetti, V. Muzzini, L. Patrolecco, C. Polcaro	M.T. Palumbo	

Water and soil pollution and control

Lunch time session – October 5th Posters

Abstract	*Title*	*Authors*	*Presenter*	*Time*
2	Biomonitoring Of Soil Quality In North-East Of Algeria By Using A Bioindicator Species {Helix aspersa} (Gasteropoda, Hellicidae): Measure Of Biomarkers	Yousra Bairi, Karima Sifi, Noureddine Soltani	Karima Sifi	
7	Evaluation Of The Impact Of Pollution In The Gulf of Annaba (Algeria) By Measurement Of Environmental Stress Biomarkers In An Edible Mollusk Bivalve {Donax trunculus}	Fatima Amamra, Karima Sifi, Nouha Kaouachi, Noureddine Soltani	Karima Sifi	
8	Wastewater control alternatives for a pharmaceutical industry	**Işık Kabdaşlı, Tuğba Ölmez Hancı, Gülşen Akgün, Olcay** Tünay	**Işık Kabdaşlı**	
9	Assessment of soil organic matter in the landfill: pollution indicator	Mohamed Khaddor, Ikram Chaer, Asmae El Cadi, Asmae Lanjri, Jamal Brigui, Abderrahman Asskali, Abderrahim Mouhssine	Mohamed Khaddor	
11	Bio-availability and Risk Assessment of Heavy Metals by Sequential Extraction in Coastal Sediment South Mediterranean Sea, Egypt	Maha Ahmed Mohamed Abdallah, Ahmed Mohamed Badr Eldin	Maha Ahmed Mohamed Abdallah	
26	Organic waste in the Tangier region between methanisation and biogas production	Mouhssine Abderrahim	Mouhssine Abderrahim	
57	Removal of Iron in The Presence of Humic Acid, Sulphate and Nitrate from Drinking Water by Atmospheric Oxygen	Sefika Albayrak Gumus, Turkan **Ormancı Acar, Guler Turkoglu** Demirkol, Sevgi Gunes Durak, Nese Tufekci	Nese Tufekci	

Water and soil pollution and control

Afternoon session at coffee break – October 5th Posters

Abstract	Title	Authors	Presenter	Time
58	Variation of Microbial Activity and Permeability of Compacted Clays Permeated with Leachate	Mehmet Sukru Ozcoban, Sevgi **Gunes Durak, Turkan Ormancı Acar,** Guler Turkoglu Demirkol, Suleyman Ovez, Nese Tufekci	Nese Tufekci	
66	Ecotoxicity of silver nanoparticles and silver nitrate for organisms of aquatic ecosystems	Daniela Hlávková, Miroslava Beklová	Daniela Hlávková	
68	Determination of the clay soil adsorption capacity of metal ions in landfill leachate	**Güler Türkoğlu Demirkol, Gökhan Balcıoğlu, Suna Özden Çelik, Öykü Mutlu Salmanlı, Sevgi Güneş Durak, Neşe Tüfekci**	**Güler Türkoğlu** Demirkol	
69	Phyto-remediation in vitro of wastewater from Oued Medoudja (Northeast Algeria) by the use of a Macrophyte Phragmites australis	Kleche Meriem, Berrebbah Houria, Djebar Med Reda	Djebar Med Reda	
77	Investigation of Detergent Adsorption on Microplastics in Laboratory Conditions	Nurtaç Öz, Yasin Erol	Nurtaç Öz	
78	Removal of chromium species and Acid Blue 193 from aqueous solutions using bog ore	Agnieszka Dzieniszewska, **Magdalena Pająk, Justyna Czupioł, Joanna Kyzioł Komosińska**	Agnieszka Dzieniszewska	
79	Formation of iodinated THMs during chlorination of water and wastewater in the presence of different iodide sources	Ioanna Pantelaki, Dimitra Voutsa	Ioanna Pantelaki	
99	The Role of Polyurethane Foams in Cleaning up the Mediterranean Sea	Shayesteh Tafazoli, Karim Movassaghi	Shayesteh Tafazoli	
108	Effects of herbicides and their metabolites on selected bioindicators	Barbora Havelkova, Daniela Hlavkova, Veronika Kovacova, Miroslava Beklova	Barbora Havelkova	
109	Sorption of Reactive Blue 81 and Reactive Red 198 from aqueous solutions onto dust from steel plant	**Magdalena Pająk, Agnieszka Dzieniszewska, Justyna Czupioł, Joanna Kyzioł Komosińska**	**Magdalena Pająk**	
111	Determination on Toxic And Inhibition Effects of Coagulants Used in Wastewater Treatment Plants on Anaerobic Digester	**Gökhan Balcıoglu, Güler Turkoglu Demirkol, Esra Billur Balcıoglu, Turkan Ormancı Acae, Moiz** Elnekave, Nese Tufekci	Nese Tufekci	
115	Identification of Volatile Organic Pollutants Using Semi-Quantitative GC-MS Screening Analysis of Municipal and Industrial Wastewater	Jovana Simic, Maja Milanovic, Maja Sremacki, Jelena Radonic, Maja Turk Sekulic, Mirjana Vojnovic Miloradov, Natasa Milic	Natasa Milic	
130	Physical and geochemical aspects on strontium transport for safety assessment studies	Raffaella Testoni, Riccardo Levizzari, Mario De Salve	Raffaella Testoni	
143	The Effects of Some Organic Compounds on the Catalytic Properties of MnO2 and Mn(II) Oxidation in Drinking Water	**Güler Türkoğlu Demirkol**	Güler **Türkoğlu** Demirkol	
165	The Response of Water Quality of Karacaören-II Dam Reservoir to Climate Change	Firdes Yenilmez	Firdes Yenilmez	

Water and soil pollution and control

Morning session at Coffee Break – October 6th Posters

Abstract	Title	Authors	Presenter	Time
172	Predicting the optimum isotherm by linear and non-linear regression analysis: Comparison of various error functions	Khaled Cheikh Nebaghe, Khadija Ziat, Ahmed Naji, Mohamed Saidi	Khadija Ziat	
194	Formation Potential of Nitrogenous Disinfection By-products	Argyri Kozari, Dimitra Voutsa	Argyri Kozari	
201	Incorporation of organic complex in the porous network of NaX zeolite	Naima Ghemmit Doulache, Sihem Khemaissia, Souhila Moussaoui, Ouarda Klouas	Naima Ghemmit Doulache	
203	Fate of pharmaceuticals in soil after the flood: Uptake and bioaccumulation in potato and carrot	**Biljana Škrbić, Jelena Živančev, Igor Antić, Maja Buljovčić**	**Jelena Živančev**	
206	**'Mechanical Investigation of Pei and Pan** Membranes with and without Pvp Addition Under **Their Working Conditions'**	**Sevgi Güneş Durak, Mertol Tufekci, Türkan Ormancı Acar**	Mertol Tufekci	
207	An assessment of heavy metal contamination in surface sediments of the Montenegrin coast using geo-accumulation indexes and statistical analysis	Danijela Joksimovic, Ana Castelli, **Ana Peroševic**	Danijela Joksimovic	
210	Variation Of Permeability Of The Natural, Compacted And Consolidated Clay Soils Permeated With Leachate	**Mehmet Şükrü Özçoban**	**Mehmet Şükrü** Özçoban	
211	"{"Ecological Status Assessment using Diatom Indices of Water Ecosystems in Gjirokastra District, Albania"}"	Marsela Alikaj, Ferdi Brahushi, Lirika Kupe	Marsela Alikaj	
218	**Assessment of Ecological and Trophic Status of Çıralı** Bay (Antalya)	**Gönül Tuğrul İçemer, Hande Belcioğlu**	Gönül **Tuğrul İçemer**	
219	Responce to oxidative stress induced by heavy metals in (Leptodictyum riparium) Hedw	Viviana Maresca, Sergio Sorbo, Antonietta Siciliano, Stefano Loppi, Elham Asadi Karam, Marina Piscopo, Marco Guida, Emilia Galdiero, Adriana Basile	Viviana Maresca	
220	Effects of pretreatment Sodium Hydrosulfide on the biochemical and enzymatic properties of black cumin ((Nigella sativa)) plant under arsenic toxicity	Viviana Maresca, Elham Asadi Karam, Adriana Basile	Viviana Maresca	
230	Sediments of the vulnerable Pertusillo freshwater reservoir (Val d'Agri, Southern Italy)	Albina Colella, Elisabetta Fortunato	Albina Colella	
240	Should we consider benzodiazepines and antidepressants as environmental contaminants?	**Milada Vávrová, Tereza Švestková, Pavlína Landová, Zuzana Křivánková, Michal Kočnar**	Milada Vávrová	
242	Effect of Irrigation with Treated Effluents on Nutritional Skill in Salvia officinalis L	Irena Duka	Irena Duka	
246	Germination and development of Lepidium sativum L and Eucalyptus globulus Labill on soils spiked with [C1C1Im] [DMP]	Diana Bello, Javier Nogueira, Josefa Salgado, Otilia Reyes, Carmen Trasar Cepeda	Diana Bello	

Water and soil pollution and control

Lunch time session – October 6th Posters

Abstract	Title	Authors	Presenter	Time
262	Soil contamination by heavy metals in Ostrava, Czech Republic, methods of pollution assessment calculation	**Helena Doležalová Weissmannová, Petr Chovanec, Silvie Mihočová**	**Helena Doležalová** Weissmannová	
269	Continuous Some Metals Removal from Aqueous Solutions by Biomass in Packed-bed Column	Sevgi Kocaoba, Münevver Arisoy	Sevgi Kocaoba	
270	Adsorptive Removal of Some Dyes from Aqueous Solutions by Modified Sepiolite	Sevgi Kocaoba, Ahmet Selçuk Sülkü	Sevgi Kocaoba	
286	Methods of Calculating Pollution Indices for Heavy Metals in Contaminated Soils	**Helena Doležalová Weissmannová, Jan Brzobohatý, Silvie Mihočová, Lukáš Kováč, Milan Marek**	**Helena Doležalová** Weissmannová	
305	Determination of Thallium Species in Acid Mine Waters Using Solid Phase Extraction and ET AAS	**Peter Matúš, Ján Medveď, Marek Bujdoš, Ingrid Hagarová, Martin Urík**	**Peter Matúš**	
306	Determination of Trace Amounts of Labile Cationic Aluminium Species in Water Samples Using Some Nano-sized Metal Oxides and Fungal Biomass	**Peter Matúš, Ingrid Hagarová, Marek Bujdoš, Filip Polák, Martin Šebesta, Martin Urík**	**Peter Matúš**	
312	Application of quillaja saponin as a remediation agent for contaminated soils and sediments.	Ingrid Hagarová, Martin Urík, Peter **Matúš**	Ingrid Hagarová	
314	Detecting Pipeline Deformation by Underwater Photogrammetric Techniques	Onur Akyol, Zaide Duran	Zaide Duran	
320	Heavy metals in Mediterranean loggerhead sea turtle {Caretta caretta} stranded along Southern Italy coast	Mauro Esposito, Doriana Iaccarino, Pasquale Maglio, Antonella De Roma, Francesco Paolo Serpe, Giuseppe Lucifora, Fabio Di Nocera	Mauro Esposito	
329	Magnetic susceptibility measurements used for monitoring heavy metals in the industrial area of Tito scalo. Comparison with the results obtained in different industrial areas of Basilicata Region (southern Italy)	Mariagrazia Demilio, Maria Macchiato, Maria Ragosta	Mariagrazia Demilio	
332	Radium concentration and magnetic susceptibility measurements for characterizing soils devoted to cereal cultivation	Mariagrazia Demilio, Rosa Coluzzi, Vito Imbrenda, Salvatore Margiotta, Maria Quarto	Mariagrazia Demilio	
334	The Effects of Marine Tourism on Water Pollution	**Sezgi Gedik, Suna Muğan Ertuğral**	**Suna Muğan Ertuğral**	
339	Removal of humic acid from water by iron oxide	Suna Ozden Celik	Suna Ozden Celik	
340	Chemical Treatment of Bilge Water by Coagulation-Flocculation and Fenton Oxidation	Ender Cetin, Cigdem Oz	Ender Cetin	
348	Investigation on removal potential of anionic and cationic dyes from aqueous medium on "{" Eleagnus angustifolia "}".	Tulay Oymak, Nuraniye Eruygur	Nuraniye Eruygur	
377	Enteric Viruses pollution from aquatic ecosystems of two Italian regions	**Emilio D'Ugo**, Massimo Sdanganelli, Roberto Giuseppetti, Laura Mancini	**Emilio D'Ugo**	

Energy, environment and sustainability

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83	Assessment of thermal comfort conditions and energy performance of an indoor athletic center	Giorgos Panaras, Evangelos I. Tolis, Aristeidis Afentoulidis, Vassiliki Xatzitipi, Tereza Anthemidou, Rafail Valkanos, Kostas Panagos, John G. Bartzis	Giorgos Panaras	
153	Study of the possibility for bio gas production from some organic waste using a mini batch anaerobic bioreactor	Hasime Manaj, Ilirjan Malollari, Anisa Dhroso	Hasime Manaj	
159	Energy recovery and conservation an important tool in minimizing environment and operational costs in Albanian Breweries	Luljeta Pinguli, Ilirjan Malollari, Terkida Vaso	Luljeta Pinguli	
174	Production of fertilizers and their use in agriculture according to a sustainable model, underlying the basic criteria of circular economy	Laura Casorri, Eva Masciarelli, Barbara Ficociello, Valeria D'alessandro	Laura Casorri	
187	Electrochemical and corrosion behaviors of lead-acid battery in the presence of polyaniline hydro-soluble in 0.5 M H2SO4 solution	Boudieb Naima, Bounoughaz Moussa	Boudieb Naima	
226	Environment and human friendly energy system in Turkey: Biogas	Gaye Onursal Denli, Hayri Hakan Denli	Gaye Onursal Denli	
237	Bioenergy Recovery Through Transesterefication of Waste Cooking Oil Producing Biodiesel	Armela Mazrreku, Ismet Beqiraj, Ilirjan Malollari	Armela Mazrreku	
243	Biogas Production Potential in Turkey	Esra Tinmaz Kose, Suna Ozden Celik	Suna Ozden Celik	
244	**Future Modeling Of Igneada Conservation Area** With Remote Sensing And Geographic Information System	Gonca Bozkaya Karip, Cigdem Goksel, Filiz Bektas Balcik	Cigdem Goksel	
288	Environmental aspects of coal quality parameters and underground coal gasification: A Case Study of Some Coal Basins of Turkey	Selin Karadirek, Orhan Özçelik, Mehmet Altunsoy	Selin Karadirek	
322	Impacts of energy sources on wastewater treatment performance in life cycle perspective	**Mustafa Yıldırım, Bülent Topkaya**	**Mustafa Yıldırım**	

Environmental economics, policy and education

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75	**Students' prior knowledge and interests as** regulators in designing effective Environmental Education Programs: The case of Kalloni Gulf Wetland	Yiannis Zevgolis, Lina Grimpylakou, Timoleon Theofanellis	Yiannis Zevgolis	
179	Conservation of Ahlat Tombstones by Using Nanotechnology	Hakan Ertugral, Volkan Günay	Hakan Ertugral	
212	Approaching the concept of sustainable innovation in green markets: Assessing environmental sensitivities of maritime students	**Güzide Öncü Eroğlu Pektaş, Güler** Bilen Alkan, Engin Damar, Faruk Alkan	**Güzide Öncü Eroğlu Pektaş**	
216	Estimation of housing sales prices by multiple linear regression analysis for the determination of economically effective earthquake-based urban transformation locations	Busra Durmus, Hayri Hakan Denli	Hayri Hakan Denli	
234	Mapping of ecosystem services in Karavasta Lagoon	Romina Koto, Aida Bani	Romina Koto	