



**MESAEP**

Mediterranean Scientific Association  
of Environmental Protection



**MESAEP**

Mediterranean Scientific Association  
of Environmental Protection

**20th International Symposium on  
Environmental Pollution and its Impact on Life  
in the Mediterranean Region**

**October 26-27, 2020**

**Scientific Program**

**2020**



## Program at a glance

October 26		October 27	
<b>Symposium opening</b>			
<i>Morning sessions</i>		<i>Morning sessions</i>	
Virtual Room 1	Virtual Room 2	Virtual Room 1	Virtual Room 2
Environmental health and well-being (1) 9:00 - 13:00	Indoor and outdoor air pollution 9:00 - 11:15	Various environmental themes 9:00 - 13:00	Energy, environment and sustainability 9:00 - 11:15
	Water and soil pollution and control 11:15 - 13:15		Natural and man-made environmental disasters 11:15 - 13:15
<i>Afternoon sessions</i>		<i>Afternoon sessions</i>	
Environmental health and well-being (2) 14:00 - 16:00	Climate change mitigation and air pollution abatement – towards win-win solutions (ICARUS session) 14:00-18:00	Sustainable natural resource and waste management 14:00 -15:15	Environmental economics, policy and education 14:00 - 15:00
POSTER session 1 16:00 - 18:40		Ecotoxicity and biodiversity 15:15 - 16:00	Environmental and health inequities – socio-economic determinants of exposure 15:00 - 15:30
			New and emerging technologies for environmental and health applications 15:30 - 16:00
		POSTER session 2 16:00- 18:30	POSTER session 3 16:00- 18:15



# ORAL PRESENTATIONS

## DAY 1 - October 26<sup>th</sup>

### Morning session – October 26<sup>th</sup>

#### Environmental health and well-being

Morning session – October 26<sup>th</sup> Oral presentations 9:00 AM – 1:00 PM CET - **Virtual room #1**

Chair:

<i>ID</i>	<i>Title</i>	<i>Authors</i>	<i>Presenter</i>	<i>Time</i>
10	Nature is well-being: investing in prevention and health of children	Simona Federica Gaudi, Aldo Di Benedetto, Maurilio Cipparone, Paola Michelozzi, Laura Mancini	Simona Federica Gaudi	09:00
17	Mercury concentrations in lean fish species from western Mediterranean Sea	Marco Capodiferro, Esther Marco, Marta Casado, Inma Fernandez, Raimon Martinez, Joan Grimalt	Marco Capodiferro	09:15
21	Air quality and health risk assessment (HRA) around the Valdemingómez Environmental Complex located in Madrid	Beatriz Nunez Corcuera, David Galan Madruga, Saul Garcia Dos Santos, Jesús Alonso Herreros, Consuelo Garrastazu, Javier Jover, Argelia Castaño Calvo, Pilar Morillo Gómez	Beatriz Nunez Corcuera	09:30
30	Green awareness in action – how energy conservation action forces on environmental knowledge, values and behavior in adolescence school life	Michaela Maurer, Pavlos Koulouris, Franz X Bogner	Franz X Bogner	09:45
31	Children's care for dogs, environmental values and ecological behavior	Gregor Torkar, Franz X Bogner	Franz X Bogner	10:00
51	Determination of Environmental Attitudes of Recreational Activities Participants with New Ecological Paradigm Scale	Bahadir Sezer, Orhan Akova, Mert Öğretmenoğlu	Mert Öğretmenoğlu	10:15
89	Assessing the Ecosystem Services of Nestos Delta lagoons – Greece: coupling with sustainability indicators	Anastasia Mirli, Nikolaos Kamidis, Dionissis Latinopoulos, Ifigeneia Kagkalou	Anastasia Mirli	10:30
122	One health and ecohealth in global public health strategy	Laura Mancini, Mario Carere, Stefania Marcheggiani	Laura Mancini	10:45



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157	Future trends on green and healthy cities	Beatriz Nunez Corcuera, Elena Boldo, Rebeca Izquierdo, Rosalia Franco Peteira, Saul Garcia Dos Santos, Pilar Morillo Gómez, Alberto Gotti, Denis Saragiannis, Julio A Soria Lara	Beatriz Nunez Corcuera	11:00
210	Age-related dose deposition of particulate matter in human respiratory tract: findings from a birth cross-sectional study in Portugal	Joana Madureira, Klara Slezakova, Carla Costa, Ana Inês Silva, Ana Mendes, Maria Do Carmo Pereira, João Paulo Teixeira	Joana Madureira	11:15
215	Organophosphate and pyrethroid pesticides in farmers and general population	Natalia Bravo, Mercè Garí, Joan O Grimalt	Natalia Bravo	11:30
218	Study of the protective effect of melatonin on hepatotoxicity induced by a Linuron herbicide in wistar rats	Sakina Chaib, Kheireddine Ouali, Fouzia Trea, Soumaia Louahem, Belgacem Chaib	Sakina Chaib	11:45
219	Involvement of free radical activity in the development of breast cancer in the wistar rat: protective effect of luteolin	Sakina Chaib, Kheireddine Ouali, Fouzia Trea, Soumaia Louahem, Belgacem Chaib	Sakina Chaib	12:00
252	Integrated exposure modelling for cadmium	Dimosthenis Sarigiannis, Spyros Karakitsios, Ioannis Petridis	Spyros Karakitsios	12:15
254	Exposure modelling and risk assessment of endocrine disrupting chemicals	Dimosthenis Sarigiannis, Spyros Karakitsios, Ioannis Petridis, Achilleas Karakoltzidis	Spyros Karakitsios	12:30
257	Exposure modelling assessment for flame retardants	Dimosthenis Sarigiannis, Spyros Karakitsios, Ioannis Petridis, Achilleas Karakoltzidis	Spyros Karakitsios	12:45

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**Indoor and outdoor air pollution****Morning session – October 26<sup>th</sup> Oral presentations 9:00 AM – 11:15 AM CET - Virtual room #2**

Chair:

<i>ID</i>	<i>Title</i>	<i>Authors</i>	<i>Presenter</i>	<i>Time</i>
145	Analysis of culturable airborne bacteria & fungi distribution using GIS based 3D model	Kemal Metiner, Baris Halac, Funda Arzu Bagcigil, Nuket Sivri, Oktay Ozdilek, Ozan Ozturk, Dursun Zafer Seker	Baris Halac	09:00
151	Unravelling the indoor air mycobiome of residences in Athens	Ioanna Pyrri, Asimina Stamatelopoulou, Dimitra Pardali, Thomas Maggos	Ioanna Pyrri	09:15
159	PAHs in fine particulate matter of six European cities: seasonal and spatial variations and implications for human health	Céline Degrendele, Jana Klánová, Petr Kukučka, Gerhard Lammel, K. Bairachtari, Thomas Maggos, Spyros Karakitsios, Marianthi Kermenidou, Tjasa Kanduč, Devid Kocman, Pilar M Gómez, David G Madruga, Saul G Dos Santos, Ulrich Vogt, Denis Sarigiannis	Céline Degrendele	09:30
160	Concentration and distribution characteristics of culturable airborne fungi in public transport modes in Istanbul	Kemal Metiner, Ayse Ilgin Kecec, Baris Halac, Arzu Funda Bagcigil, Nuket Sivri, Burcu Onat	Kemal Metiner	09:45
203	Fog or Smog:A Transfer Learning Approach to Detect Air Pollution from Images	Umit Isikdag, Sudi Apak	Umit Isikdag	10:00
212	Air pollution during 2020 COVID-19 lockdown: study case of main Portuguese Metropolitan Areas	Klara Slezakova, Maria Carmo Pereira	Klara Slezakova	10:15
235	Prediction of PM10 Concentrations based on Machine and Deep Learning	Umit Isikdag	Umit Isikdag	10:30
242	NPAHs and OPAHs in the atmosphere of two central European cities: seasonality, urban-to-background gradients and gas-to-particle partitioning	Céline Degrendele, Gerhard Lammel, Roman Prokeš, Ondřej Saňka, Adéla Holubová Šmejkalová, Adriana Husárová, Ondřej Mikeš, Petr Kukučka, Tjasa Kanduč, David Kocman, Thomas Maggos, Denis Sarigiannis, Jana Klanova	Céline Degrendele	10:45



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266	PM exposure using portable sensor data and human respiratory tract deposition modelling	Dimosthenis Sarigiannis, Spyros Karakitsios, Dimitris Chapizanis, Ioannis Petridis	Spyros Karakitsios	11:00
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**Water and soil pollution and control****Morning session – October 26<sup>th</sup> Oral presentations 11:15 AM – 1:15 PM CET - Virtual room #2****Chair:**

<i>ID</i>	<i>Title</i>	<i>Authors</i>	<i>Presenter</i>	<i>Time</i>
29	PAHs in arable soils of Serbia: levels, sources and potential health risks	Biljana D Škrbić, Igor Antić, Jelena Živančev	Biljana D Škrbić	11:15
35	The effect of glisinebetaine application of four cold season grass species under salinity stress	Ceren Selim, Zeynep Benan Coşkunyel, Duygu Merve Demir	Ceren Selim	11:30
104	Occurrence of organophosphate flame retardants in aquatic environment of Northern Greece	Ioanna Pantelaki, Dimitra Voutsas	Ioanna Pantelaki	11:45
150	Detecting Pipeline Deformations by Underwater Photogrammetric Techniques	Onur Akyol, Zaide Duran	Zaide Duran	12:00
174	A study of the post fire effects on dissolved organic matter in a coastal residential area	Fani Sakellariadou	Fani Sakellariadou	12:15
200	Elaboration and characterization of Cordierite/Anorthite supports for membranes filtration	Wafa Misrar, Mohamed Loutou, Latifa Saadi, Mohamed Waqif, Mohammed Mansori, Claude Favotto	Wafa Misrar	12:30
273	Assessment of Water Quality Evaluation Performance of Geostatistical Techniques	Firdes Yenilmez	Firdes Yenilmez	12:45
279	Water Quality Evaluation Based on The Water Quality Index Method in Karacaören-II Dam Lake	Firdes Yenilmez	Firdes Yenilmez	13:00

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**Afternoon session – October 26<sup>th</sup>****Environmental health and well-being****Afternoon session – October 26<sup>th</sup> Oral presentations 2:00 PM – 4:00 PM CET - Virtual room #1**

Chair:

<i>ID</i>	<i>Title</i>	<i>Authors</i>	<i>Presenter</i>	<i>Time</i>
258	Risk assessment of phthalates and DINCH starting from human biomonitoring data	Dimosthenis Sarigiannis, Spyros Karakitsios, Ioannis Petridis, Achilleas Karakoltzidis	Spyros Karakitsios	14:00
259	European exposure and health examination survey (EXHES) study reveals the impact of prenatal exposure to metals, PFOS, PFOA, organophosphates, and organochlorines on early child development	Dimosthenis Sarigiannis, Nafsika Papaioannou, Catherine Gabriel, Michael Dickinson, Ioannis Petridis, Joaquim Rovira, Vikas Kumar, Marta Schuhmacher, Spyros Karakitsios	Nafsika Papaioannou	14:15
261	Method development and optimization for the quantitative analysis BPA, BPS and BPF in human urine samples using an HRMS instrument	Catherine Gabriel, Nafsika Papaioannou, Vazha Dzhezheia, Spyros Karakitsios, Dimosthenis Sarigiannis	Catherine Gabriel	14:30
262	Method development and optimization for the quantitative analysis of phthalates and Hexamoll® DINCH metabolites in human urine samples	Catherine Gabriel, Marios Maroulis, Nafsika Papaioannou, Maria Perikli, Spyros Karakitsios, Dimosthenis Sarigiannis	Catherine Gabriel	14:45
263	Multi-omics Analysis Reveals that Co-exposure to Phthalates and Metals Disturbs Urea Cycle and Choline Metabolism	Nafsika Papaioannou, Emilie Distel, Eliandre De Oliveira Cacheado, Catherine Gabriel, Ramón Díaz Peña, Ilias Frydas, Ourania Anesti, Eléonore Attignon, Martine Aggerbeck, Milena Horvat, Robert Barouki, Dimosthenis Sarigiannis	Nafsika Papaioannou	15:00
265	Effects of heavy metals to neurodevelopment in a mother-infant cohort study	Nafsika Papaioannou, Catherine Gabriel, Vazha Dzhezheia, Ioannis Petridis, Maria Fafouti, Michael Dickinson, Spyros Karakitsios, Dimosthenis Sarigiannis	Nafsika Papaioannou	15:15



267	Source apportionment of polycyclic aromatic hydrocarbons (PAHS) in aerosols and study of their effect in human health: A comparison between the warm and the cold season of the year	Marianthi Kermenidou, Christodoulos Hondrogiorgis, Spyros Karakitsios, Dimosthenis Sarigiannis	Marianthi Kermenidou	15:30
281	Particle related air exposure during physical exercise: levels, dose and deposition in respiratory system	Klara Slezakova, Joana Madureira, João Paulo Texeira, Maria Carmo Pereira	Klara Slezakova	15:45

**Climate change mitigation and air pollution abatement – towards win-win solutions (ICARUS session)****Afternoon session – October 26<sup>th</sup> Oral presentations 2:00 PM – 6:00 PM CET - Virtual room #2****Chair:**

<i>ID</i>	<i>Title</i>	<i>Authors</i>	<i>Presenter</i>	<i>Time</i>
19	Modeling of Bioclimatic Comfort Change Depend on Global Climate Change: Case of West Mediterranean Basin of Turkey	Nihat Karakus, Ismail Cinar, Zeynep Rabia Ardahanlioglu, Serdar Selim	Ismail Cinar	14:00
41	Determination of bioclimatic comfort areas according to different age groups: Case of Fethiye Göcek SEPA / Turkey	Nihat Karakus, Ismail Cinar, Zeynep Rabia Ardahanlioglu	Ismail Cinar	14:15
87	Transition to Climate Friendly and Unpolluted Cities until 2050	Rainer Friedrich, Julia Neuhäuser, Emely Richter, Manfred Wacker	Rainer Friedrich	14:30
129	Uncertainty associated with assesing personal exposure to particulate matter with high temporal resolution using low-cost portable sensors	Rok Novak, David Kocman, Tjaša Kanduč, Milena Horvat, Johanna Amalia Robinson, Dimosthenis Sarigiannis	Rok Novak	14:45
131	Cost-benefit analysis of carbon mitigation measures in European cities: the importance of co-benefits	Tim Taylor, Anna Maccagnan, Denis Sarigiannis, Alberto Gotti, Francesca Bugnoni, Marco Persico, Jaideep Visave, Julia Neuhäuser, Rainer Friedrich, Danielle Vienneau, Benjamin Flückiger, Jan Harnych, Katerina Maneva Mitrovikj, Jiří Spitz, Ondřej Mikeš, Céline Degrendele, Anastasia Gkika, John Bartzis, Ioannis Sakellaris, Davor Kontić	Tim Taylor	15:00





135	Development of an integral modeling system to study air quality climatic trends in European urban areas	John G. Bartzis, Ioannis A. Sakellaris, Thalia A. Xenofontos, Vasilis Balafas, Julia Neuhäuser, Friedrich Rainer, Alberto Gotti, Dimosthenis A. Sarigiannis	John G. Bartzis	15:15
140	Multi-sensor data collection for personal exposure monitoring: ICARUS experience	David Kocman, Tjaša Kanduč, R. Novak, J.A. Robinson, Ondrej Mikeš, Celine Degrendele, O. Sanka, J. Vinkler, R. Prokeš, Danielle Vienneau, Benjamin Flückiger, Alberto Gotti, J. Visave, F. Bugnoni, Marco G. Persico, Saul Garcia Dos Santos, B. Nuñez-Corcuera, Thomas Magos, A. Stamatelopoulou, D. Pardali, D. Saraga, Dimitris Chapizanis, I. Petridis, S. Karakitsios, E. Boldo, R. Izquierdo, G. Sarigiannis, Denis A Sarigiannis	David Kocman	15:30
156	Air pollution health impact assessment and cost-benefit analysis of win-win policy solutions at the urban scale in the city of Milan	Marco Giovanni Persico, Alberto Gotti, Francesca Bugnoni, Jaideep Visave, Spyros Karakitsios, Ioannis Sakellaris, John Bartzis, Julia Neuhäuser, Rainer Friedrich, Anna Maccagnan, Tim Taylor, Dimosthenis Sarigiannis	Marco Giovanni Persico	15:45
161	Integrated Assessment of Policy Scenarios for Air Pollution Control and Greenhouse Gas Emission Reduction in the City of Stuttgart	Julia Neuhäuser, Rainer Friedrich	Julia Neuhäuser	16:00
162	Fine particulate matter chemical composition and sources in 6 European cities: The ICARUS Project	Dikaia Saraga, Thomas Maggos, Kyriaki Bairachtari, Maria Dasopoulou, Celine Degrendele, Jana Klanova, David Kocman, Tjasa Kanduč, Saul Garcia, Miriam Chacón Mateos, Alberto Gotti, Dimosthenis Sarigiannis	Dikaia Saraga	16:15
228	A Comparative Investigation of Temperature Persistence: A Case Study of Western Turkey	Evren Özgür	Evren Özgür	16:30



234	Determination of Outdoor Thermal Comfort in Rural, Urban and Mass Green Areas in Summer Season with the Rayman Model	Sevgi Yılmaz, Mehmet Akif Irmak, Elif Akpınar Külekçi, Işık Sezen	Elif Akpınar Külekçi	16:45
248	Investigating Thermal Comfort of Different Plant and Design Street Scenarios	Sevgi Yılmaz, Başak Ertem Mutlu, Işık Sezen, Elif Akpınar Külekçi	Başak Ertem Mutlu	17:00
256	A Research to Determine the Thermal Comfort Ranges of Erzurum City	Elif Akpınar Külekçi, Işık Sezen, Süleyman Toy	Elif Akpınar Külekçi	17:15
260	Determining the Spatial Effects of Climate Change in Urban Areas	Süleyman Toy, Elif Akpınar Külekçi, Işık Sezen	Elif Akpınar Külekçi	17:30
269	Determination of Resilience Levels of Cities in The East of Turkey According to Climate Chance Scenarios	Süleyman Toy, Işık Sezen, Elif Akpınar Külekçi	Işık Sezen	17:45



## DAY 2 - October 27<sup>th</sup>

### Morning session – October 27<sup>th</sup>

#### Various environmental themes

Morning session – October 27<sup>th</sup> Oral presentations 9:00 AM – 1:00 PM CET - **Virtual room #1**

Chair:

<i>ID</i>	<i>Title</i>	<i>Authors</i>	<i>Presenter</i>	<i>Time</i>
7	Photocatalytic TiO <sub>2</sub> coated Ahlat Stone for self-cleaning and de-polluting applications	Hakan Ertuğral, Tarık Baykara, Volkan Günay	Hakan Ertuğral	09:00
23	What can convection-permitting climate simulations (CPCSs) tell us differently about future climate change?	Cemre Sonuç, Yurdanur Ünal	Cemre Sonuç	09:15
57	The Extraction of Vegetation from Aerial Point Clouds Using Object Based Image Analysis	Muhammed Enes Atik, Zaide Duran	Muhammed Enes Atik	09:30
106	Analysing the impacts of land cover changes on land surface temperature in northern İstanbul between 2009 and 2017	Filiz Bektas Balcik, Hazal Cigerci	Filiz Bektas Balcik	09:45
142	Effect of NAO on the evolution of zonal wind structure	Asli Ilhan, Deniz Demirhan, Yurdanur Ünal	Asli Ilhan	10:00
143	Variation of polar stratospheric zonal wind during Quasi-biennial Oscillation period	Asli Ilhan, Deniz Demirhan, Yurdanur Ünal, Sema Topçu, Muhammed Hamid Burgan	Asli Ilhan	10:15
158	Short and Long-term Assessment Change of Lake Kuyucuk Ramsar Site with Satellite and Meteorological Data	Adalet Dervisoglu	Adalet Dervisoglu	10:30
170	Juxtaposing Environmental ethics and Bio-ethics: Issues and Trends	Paraskevi Mentzelou, Lamprini Kioroglou, Marina Syrpi, Alexander George Mountogiannakis	Lamprini Kioroglou	10:45
171	The application of technology of effective microorganisms (EM) in metal corrosion	Paraskevi Mentzelou, Konstantinos Athanasiadis, Nasai Mprounilnta, Dimitrios Nakachtsis	Paraskevi Mentzelou	11:00
179	Spatiotemporal Variation of Quasi-Biennial Oscillation (QBO) in Stratospheric Winds by Wavelet Analysis	Rahan Öztürk, Deniz Demirhan, Yurdanur Ünal	Rahan Öztürk	11:15



181	Inter-comparison of Quasi-Biennial Oscillation in RCP4.5 Scenario with Three Different Models	Muhammed Hamid Burgan, Deniz Demirhan, Yurdanur Ünal	Muhammed Hamid Burgan	11:30
225	Evaluation of The Tourism Potential of Kars (Turkey) Province with Swot Analysis	Işık Sezen, Elif Akpınar Külekçi, Seray Yavuz	Işık Sezen	11:45
264	Microplastics characterization and impact on small fish: The case study of Thermaic Gulf	Marianthi Kermenidou, Irini Moschoula, Dimitris Kousis, Ilias Frydas, Spyros Karakitsios, Dimosthenis Sarigiannis	Marianthi Kermenidou	12:00
276	First Report of Clasterosporium pistaciae in Turkey	Fatma Akdeniz, Hacer Sert	Fatma Akdeniz	12:15
283	Biological Degradation of Historical Buildings	Hacer Sert	Hacer Sert	12:30
277	Use And Effect of Essential Oils in the Maintenance and Preservation of Historical Monuments	Hatice Yıldız Acar, Hacer (Bakır) Sert	Hatice Yıldız Acar	12:45

## Energy, environment and sustainability

Morning session – October 27<sup>th</sup> Oral presentations 9:00 AM – 11:15 AM CET - **Virtual room #2**

Chair:

<i>ID</i>	<i>Title</i>	<i>Authors</i>	<i>Presenter</i>	<i>Time</i>
3	Urban Landscape Planning Approaches and Reflections on Ecodesign with Perception of Landscape Ecology	Gül Asli Aksu	Gül Asli Aksu	09:00
5	Combined investigation of indoor climate parameters and energy performance of a winery	Panagiotis Tzimas, Evangelos Ioannis Tolis, Giannis Papadopoulos, Manolis Souliotis, Giorgos Panaras	Giorgos Panaras	09:15
22	Analysis of Net Ecosystem CO2 Exchange by Eddy Covariance Method over Canola Canopy	Nilcan Altınbaş, Levent Şaylan	Nilcan Altınbaş	09:30
37	Utilizing Automated Machine Learning for Classification Levels of Occupancy in Buildings	Umit Isikdag	Umit Isikdag	09:45
44	Comparison of the success rates of different study scales in ANN-based urban climate simulations	Derya Işık, Çağdaş Kuşçu Şimşek	Derya Işık	10:00



58	Multi-Label Classification Application for Environmental Monitoring Applications with Deep Learning Approaches	Saziye Ozge Donmez, Cengizhan Ipbuker	Saziye Ozge Donmez	10:15
86	Clustering Urbanization Form via Fractal Dimension Analysis	Ismail Ercüment Ayazli, Salim Boyraz	Ismail Ercüment Ayazli	10:30
237	Innovative environmental and safety studies for advanced nuclear energy systems, in the frame of a sustainable European Union energy programme	Massimo Zucchetti, Ciro Alberghi, Luigi Candido, Antonino Meli, Samuele Meschini, Stefano Segantin, Raffaella Testoni	Massimo Zucchetti	10:45
274	Building Extraction with VHR Remote Sensing Imagery through Deep Learning	Saziye Ozge Atik, Cengizhan Ipbuker	Saziye Ozge Atik	11:00

## Natural and man-made environmental disasters

Morning session – October 27<sup>th</sup> Oral presentations 11:15 AM – 1:15 PM CET - **Virtual room #2**

Chair:

<i>ID</i>	<i>Title</i>	<i>Authors</i>	<i>Presenter</i>	<i>Time</i>
11	Analyzing Effects of Burned Forest Areas in the Neighboring Patches with Use of Datasets from Google Earth Engine: Case Study of Izmir Forest Fire	Nusret Demir, Serdar Selim	Nusret Demir	11:15
24	Flood Mapping of Agricultural Fields with Use of SAR Images	Nusret Demir	Nusret Demir	11:30
105	Detection and Analysis of Burned Areas With Remote Sensing Techniques: 2019 İzmir / Karabaglar Forest Fire	Filiz Bektas Balcik, Ömer Onur Alici, Ejder Bayır, Hilal Gökçe Boz, Yasemin Hor, Yiğit Yüksel	Filiz Bektas Balcik	11:45
125	FireAnalyst: A GIS Based, Early Fire Detection System for Outdoor Fire Disasters Using Mathematical Modelling	Yucel Gulluce, Rahmi Nurhan Celik	Yucel Gulluce	12:00
133	Mapping of burned areas by using remote sensing algorithm: Izmir- Karabaglar Forest Fire Case Study	Asli Sabuncu, Haluk Ozener, Onur Yilmaz	Asli Sabuncu	12:15
204	Monitoring Urban Sprawl by Multi-temporal Satellite data with remote sensing approaches: A case study of Beylikdüzü istanbul	Asli Sabuncu	Asli Sabuncu	12:30



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205	Characterization of flash flood impact on environmental using remote sensing approach: Giresun case study	Asli Sabuncu, Onur Yılmaz, Haluk Özener, Bengisu Gelin, Maryna Batur	Asli Sabuncu	12:45
216	Cytoprotective effect of melatonin on gonadal toxicity induced by local linuron herbicide in wistar rats	Sakina Chaib, Kheireddine Ouali, Fouzia Trea, Soumaia Louahem, Belgacem Chaib	Sakina Chaib	13:00

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**Afternoon session – October 27<sup>th</sup>****Sustainable natural resource and waste management****Afternoon session – October 27<sup>th</sup> Oral presentations 2:00 PM – 3:15 PM CET - Virtual room #1**

Chair:

<i>ID</i>	<i>Title</i>	<i>Authors</i>	<i>Presenter</i>	<i>Time</i>
8	GIS-Based Approach for Determination of Sustainable Settlement Areas Suitable with Natural Environment	Zeynep Rabia Ardahanlioglu, Serdar Selim, Nihat Karakus, Ismail Cinar	Ismail Cinar	14:00
43	GIS Based Ecological Sensitivity Analysis of Fethiye Göcek Sepa, Turkey	Zeynep Rabia Ardahanlioglu, Ismail Cinar, Bulut Yahya	Ismail Cinar	14:15
126	A GIS-based, sustainable, smart waste management system for urban areas: Municipality of Beykoz Case	Yucel Gulluce, Umut Bozan	Yucel Gulluce	14:30
172	Evaluation of recycling in the municipality of West Macedonia in Greece	Paraskevi Mentzelou, Dimitrios Bousios, Antonios Dachlidis	Paraskevi Mentzelou	14:45
185	Bioenergy generation from spent tea and potato wastes through anaerobic codigestion within bioeconomy approach	Emine Gozde Ozbayram	Emine Gozde Ozbayram	15:00

**Ecotoxicity and biodiversity****Afternoon session – October 27<sup>th</sup> Oral presentations 3:15 PM – 4:00 PM CET - Virtual room #1**

Chair:

<i>ID</i>	<i>Title</i>	<i>Authors</i>	<i>Presenter</i>	<i>Time</i>
36	Impacts of climate change on an endemic medicinal-aromatic plant: <i>Phlomis chimerae</i> from Antalya, Turkey	Ceren Selim, Merve Akgün	Ceren Selim	15:15
187	Toxicity of a neonicotinoid insecticide (Thiamethoxam) against the adult females <i>Gambusia affinis</i> : impact on metric indices and biomarkers during a sexual rest period	Salima Chouahda, Yasmine Cheghib, Hinda Berghiche, Nouredine Soltani	Salima Chouahda	15:30
190	Ecotoxicological risk assessment of two pesticides on a non-target shrimps <i>Palaemon adspersus</i> (Decapode, Palaemonidae): Toxicity and biomarkers	Berghiche Bentoubal Hinda, Hamoudi Selma Faten, Chouahda Zaouachi Salima, Soltani Nouredine	Berghiche Bentoubal Hinda	15:45

**MESAEP**Mediterranean Scientific Association  
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Chair:

<i>ID</i>	<i>Title</i>	<i>Authors</i>	<i>Presenter</i>	<i>Time</i>
74	Raising the environmental awareness for sustainable food systems in Primary and Secondary Education	Sofoklis A Sotiriou, Katherina Riviou, Nikos Darra, Sofoklis Fountas, Min Panagiotopoulou, Min Krokida	Sofoklis A Sotiriou	14:00
75	School as site of food experience and food system transformation	Sofoklis A Sotirou, Katherina Riviou	Sofoklis A Sotirou	14:15
202	Evaluation of Zero Waste Management in University Campuses, A Case Study for Marmara University Anadoluhisari Campus in Turkey	Betul Hande Gursoy Haksevenler, Fatma Feyza Kavak	Betul Hande Gursoy Haksevenler	14:30
282	The Mediterranean Engineering Schools Network Advances Changes in Gender Equality at the Mediterranean Higher Engineering Education	Anastasia Zabaniotou	Anastasia Zabaniotou	14:45

**Environmental and health inequities – socio-economic determinants of exposure**Afternoon session – October 27<sup>th</sup> Oral presentations 3:00 PM – 3:30 PM CET - **Virtual room #2**

Chair:

<i>ID</i>	<i>Title</i>	<i>Authors</i>	<i>Presenter</i>	<i>Time</i>
120	Health and climate change focus on Mediterranean region	Laura Mancini, Mario Carere, Stefania Marcheggiani	Laura Mancini	15:00
127	Mercury accumulation in western Mediterranean fish. Concentration and environmental risk	Joan O Grimalt, Marco Capodiferro, Marta Casado	Joan O Grimalt	15:15

**New and emerging technologies for environmental and health applications**Afternoon session – October 27<sup>th</sup> Oral presentations 3:30 PM – 4:00 PM CET - **Virtual room #2**

Chair:





<i>ID</i>	<i>Title</i>	<i>Authors</i>	<i>Presenter</i>	<i>Time</i>
69	A Lower-Cost PM/NO <sub>2</sub> Air Quality Measurement Unit with a Low-Cost Air Dryer for Stationary Outdoor Use	Miriam Chacón Mateos, Bernd Laquai, Ulrich Vogt, Ioannis Chourdakis, Grecia Carolina Solís Castillo, Abdul Samad	Miriam Chacón Mateos	15:30
268	Advanced QSAR for use in biokinetic models with special focus on neurodevelopmental disorders	Ioannis Petridis, Krystalia Papadaki, Spyros Karakitsios, Dimosthenis Sarigiannis	Ioannis Petridis	15:45



# POSTER PRESENTATIONS

## DAY 1 - October 26<sup>th</sup>

### POSTER SESSION 1

**Virtual poster presentations**Afternoon session – October 26<sup>th</sup> 4:00 PM – 6:40 PM CET - **Virtual room #1**

Chair:

<i>Abstract</i>	<i>Title</i>	<i>Authors</i>	<i>Presenter</i>	<i>Time</i>
<b>Environmental health and well-being</b>				
92	Multidimensional indicators for evaluating impacts of climate change and air pollution on human health at local scale: a test case in Southern Italy	Maria Ragosta, Luciana Casaletto, Vito Telesca, Danilo Mazzilli, Mariagrazia D'emilio	Maria Ragosta	16:00
124	Plants biodiversity in relation to medicine and human well-being	Kevin di Domenico, Mario Carere, Ines Lacchetti, Walter Cristiano, Laura Mancini	Kevin di Domenico	16:05
139	Application of BlueHealth International Survey in Appia Antica Park (Italy)	Camilla Puccinelli, Stefania Marcheggiani, Matthew White, Lewis Elliot, Nico Van Den Bogerd, Fabrizio Volpi, Luca Avellis, Mario Figliomeni, Lora Fleming, Laura Mancini	Camilla Puccinelli	16:10
146	Are children and adolescents from rural area of Slovenia exposed to glyphosate?	Anja Stajnko, Janja Snoj Tratnik, Darja Mazej, Ingrid Falnoga, Ivan Eržen, Milena Horvat	Anja Stajnko	16:15
164	Healthy ecosystems and healthy people?	Laura Mancini, Luca Avellis, Mario Carere, Walter Cristiano, Anna Maria D'angelo, Kevin Di Domenico, Cinzia Ferrari, Mario Figliomeni, Simona Gaudi, Ines Lacchetti, Elisabetta Volpi, Fabrizio Volpi	Laura Mancini	16:20
173	Thermal comfort analysis of an education building in Istanbul	Rauf N. Nisel, Nuket Sivri, Onur Kandur, Ayca Aytacoglu, Dursun Z. Seker	Nuket Sivri	16:25
180	Dirty12 in Slovenia: An environmental legacy?	Agneta Runkel, Boštjan Križanec, Mojca Baskar, Vesna	Agneta Runkel	16:30



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		Hrženjak, Darja Mazej, Janja Snoj Tratnik, Milena Horvat		
287	Development of a web-based platform for the provision of open, linked and semantically enriched environmental data for e-health applications	Evangelos Handakas, Pantelis Natsiavas, Vassilis Koutkias	Evangelos Handakas	16:35
231	Effects of air pollution on daily hospital admissions for cardiovascular diseases in Castilla-La Mancha, Spain	Diana Rodríguez, Ana Isabel Cobo Cuenca, Rafael Quiles	Diana Rodríguez	16:40

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**Indoor and outdoor air pollution**

14	Phthalates concentration in house dust of Kozani city (Greece): Exposure estimation and their association with building characteristics	Evangelos Tolis, Emmanouil Hantzidakis, Maria G Giagkou, Vasiliki E Nikou, Ioannis Sakellaris, John G Bartzis	Evangelos Tolis	16:45
15	Air quality into cabin environment of different passenger cars: effects of car usage, fuel type and ventilation/infiltration conditions	Evangelos Tolis, Tilemachos Karanotas, Charalambos Svolakis, George Panaras, John G Bartzis	Evangelos Tolis	16:50
20	Sampling strategy and data analysis for long-term monitoring of formaldehyde and other aldehydes in an urban area	Florentina Villanueva, Sonia Lara, Mariano Amo Salas, Pilar Martín, Sagrario Salgado, Beatriz Cabañas	Florentina Villanueva	16:55
98	Correlation analysis between air pollutants levels and extreme temperature events in summer time	Maria Ragosta, Luciana Casaletto, Nicola Leoce, Vito Telesca, Mariagrazia D'emilio	Maria Ragosta	17:00
107	Multivariate data analysis procedure for characterizing correlation structure of air contaminants in operating rooms	Maria Ragosta, Prospero Albertini, Maria Bagattini, Luciana Casaletto, Mariagrazia D'emilio, Pierangela Mainardi, Francesca Pennino, Patrizia Riccio, Maria Triassi	Mariagrazia D'emilio	17:05
114	Home air purifiers in dwellings: health impacts on adult populations	Emily Cheek, Valentina Guercio, Clive Shrubsole, Sani Dimitroulopoulou	Sani Dimitroulopoulou	17:10
144	Real time personal exposure assessment using low-cost sensors	Asimina Stamatelopoulou, Dimitra Pardali, Dikaia Saraga, Thomas Maggos, Spiros Karakitsios, Alberto Gotti, Denis Sarigiannis	Asimina Stamatelopoulou	17:15

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154	Benzene measurements in the main metropolitan and industrial areas across Spain (2014-2017)	Alberto Notario, Isidoro Gutiérrez Álvarez, Florentina Villanueva, José Antonio Adame	Florentina Villanueva	17:20
163	Personal exposure to air pollution: the milan sensor campaign in ICARUS project	Marco Giovanni Persico, Alberto Gotti, Jaideep Visave, Francesca Bugnoni, Dimitris Chapizanis, Ioannis Petridis, Gelorgios Sarigiannis, Enrico Ponte, Dimosthenis Sarigiannis	Marco Giovanni Persico	17:25
201	Prevalence of allergic rhinitis related to long-term exposure to indoor air pollution	Ornella Salimbene, Ivano Salimbene, Francesco Pilla	Ornella Salimbene	17:30
208	Investigation of BTEX pollutants in indoor air with INTERA platform in Southeastern Bulgaria	Ekaterina Serafimova, Vilma Petkova	Ekaterina Serafimova	17:35
211	Endocrine disrupting chemicals in indoor dust and the implications for human exposure: preliminary findings	Joana Madureira, Ana Catarina Sousa, Ana Inês Silva, Lívia Aguiar, Rumi Tanoue, Tatsuya Kunisue, Shinsuke Tanabe, João Paulo Teixeira, Carla Costa	Joana Madureira	17:40
245	Formaldehyde, acrolein and other carbonyls in dwellings of university students. Levels and source characterization	Sonia Lara Gómez, Florentina Villanueva Garcia, Alberto Notario Molina, Mariano Amo Salas	Sonia Lara Gómez	17:45
289	A survey of Microplastics contamination in a tributary of Tiber river: Almone river (Rome, Italy)	Filippo Chiudioni, Camilla Puccinelli, Laura Mancini, Stefania Mrcheggiani	Filippo Chiudioni	17:50
250	Unravelling the indoor air mycobiome of residences in Athens	Ioanna Pyrri, Asimina Stamatelopoulou, Dimitra Pardali, Thomas Maggos	Ioanna Pyrri	17:55

### **Water and soil pollution and control**

18	Trace element concentrations in sediments and their impact on trace element contents in mussels from Boka Kotorska Bay, Montenegro	Ana Perošević-Bajčeta, Danijela Joksimović, Lato Pezo, Slavka Stanković	Ana Perošević-Bajčeta	18:00
28	Heavy metal pollution in bottom sediments in coastal area of Montenegro	Danijela Joksimovic, Ana Perosevic - Bajceta	Danijela Joksimovic	18:05



286	Evaluation of the ecological balance water flowrate effects on fish passages: examination in Rize – Turkey	Güler Türkoğlu Demirkol, Hızır Osman Aslıyüksek, Bülent Armağan, Nurtaç Öz, Neşe Tüfekci	Güler Türkoğlu Demirkol	18:10
63	Treatment of Confectionery Industry Wastewater: A Case Study	Olcay Tünay, Işık Kabdaşlı, Derin Orhon	Işık Kabdaşlı	18:15
112	Environmental Effect Of The Activity Of The Boat/Yacht On Marine Water Quality And Marine Vegetation In Phaselis (Antalya, Turkey) And Ecological Status Assessment	Gönül Tuğrul İçemer, Emine Şükran Okudan, Tendü Hilal Göktuğ	Gönül Tuğrul İçemer	18:20
118	Genotoxicity indicators of transplanted mussels <i>Mytilus galloprovincialis</i> reveal early signs of marine pollution in the Boka Kotorska Bay, Montenegro	Rajko Martinović, Danijela Joksimović, Ana Perošević, Stoimir Kolarević, Margareta Kračun Kolarević, Jelena Đorđević, Jovana Jovanović, Zoran Gačić, Branka Vuković Gačić	Rajko Martinović	18:25
148	Comparison of ecological status in two lakes in Albania based on diatoms algae	Marsela Alikaj, Lirika Kupe, Elona Bahiti, Ferdi Brahusi	Marsela Alikaj	18:30
230	Cadmium Bioaccumulation and Translocation in <i>Brassica napus</i> L. at Flowering and Maturation: a Case Study	Gabriella Rossi, Silvia Socciarelli	Gabriella Rossi	18:35

**END OF POSTER SESSION 1**



## DAY 2 - October 27<sup>th</sup>

### POSTER SESSION 2

#### Virtual poster presentations

Afternoon session – October 27<sup>th</sup> 4:00 PM – 6:30 PM CET - **Virtual room #1**

Chair:

<i>Abstract</i>	<i>Title</i>	<i>Authors</i>	<i>Presenter</i>	<i>Time</i>
<b>Various environmental themes</b>				
38	Winter Sports Tourism and Climate Change in Mediterrenian Region	Barış Yalçınkaya, Mithat Zeki Dinçer, Füsun Istanbulu Dinçer, Suna Muğan Ertuğral, Hacer Neyir Tekeli	Barış Yalçınkaya	16:00
284	Evaluation of toxic effects of coagulants used in coagulation- flocculation process on anaerobic treatment plant	Güler Türkoğlu Demirkol, Nurtaç Öz, Moiz Elnkave, Bülent Armağan, Esra Billur Balcıoğlu, Neşe Tüfekci	Güler Türkoğlu Demirkol	16:05
285	Improvement of permeability by using nano materials in landfill sites	Neşe Tüfekci, Mehmet Şükrü Özçoban, Öykü Mutlu Salmanlı	Neşe Tüfekci	16:10
66	A research on the view of hotel managers in Istanbul on the environmental insurance	Erkan Arslan, Sezgi Gedik Arslan	Erkan Arslan	16:15
82	Generating Road Data Set for Deep Learning Applications	Ozan Ozturk, Dursun Zafer Seker, Batuhan Sariturk	Ozan Ozturk	16:20
96	Ecosystem health assessment: an integrated approach in a tropical rainforest	Walter Cristiano, Mario Carere, Cristina Giacomina, Laura Mancini	Walter Cristiano	16:25
100	An overview of the accomplishments of the ICSC program	Kyriakoula Ziegler Skylakakis	Kyriakoula Ziegler Skylakakis	16:30
182	Seasonal Changes in Easterly and Westerly Phases of Quasi-Biennial Oscillation	Muhammed Hamid Burgan, Deniz Demirhan	Muhammed Hamid Burgan	16:35
206	Global environmental change and women	Simona Gaudi, Laura Mancini	Simona Gaudi	16:40
227	Infertility: knowledge and attitudes of Moroccan young people. Gender approach	Sana El Adlani, Abdelhafid Benksim, Yassir Ait Ben Kaddour, Mohamed Cherkaoui	Sana El Adlani	16:45



271	The use of diatom from water quality assessment to forensics: a protocol to diagnose death by drowning	Camilla Puccinelli, Laura Mancini, Nadia Fucci, Vincenzo L Pascali, Stefania Marcheggiani	Camilla Puccinelli	16:50
275	Food: an ally against breast cancer	Safa Mazouzi, Sabiha Bouzbid, Saoussene Chernine, Samira Bensoltane	Safa Mazouzi	16:55
291	A New Host from Southern Anatolia: <i>Quercus robur</i> (English oak)	Fatma Akdeniz, Hacer Sert	Fatma Akdeniz	17:00
292	Promotion of tomato growth and inhibition of tomato foot and root rot severity using dehydrated and anaerobically digested sewage sludge	I. Giannakis, E. Lalla, C. Manitsas, C. Emmanouil, A. Kungolos, I. Eleftherohorinos, A. L. Lagopodi	I. Giannakis	17:05

### Ecotoxicity and biodiversity

64	Fouling composition from the ports (south-eastern Adriatic Sea-Montenegro)	Slavica Petović, Vesna Mačić	Slavica Petović	17:10
77	Distribution of phytoplankton species in marina Porto Novi (Boka Kotorska Bay)	Dragana Drakulović, Aleksandra Huter, Branka Pestorić	Dragana Drakulović	17:15
116	Spontaneous tail movement in zebrafish embryo as indicator of neurotoxic substances in the environment	Ines Lacchetti, Walter Cristiano, Kevin Di Domenico, Mario Carere, Laura Mancini	Ines Lacchetti	17:20
121	The accreditation process, as innovative approach to enhance the reliability of vibrio fischeri assay	Camilla Puccinelli, Stefania Marcheggiani, Laura Mancini	Camilla Puccinelli	17:25
188	Growth and acetylcholinesterase levels in non-target fish <i>Gambusia affinis</i> in the Annaba-El Tarf region: Relationship with pollution	Abir Denna, Salima Chouahda, Noureddine Soltani	Abir Denna	17:30
193	Characterization of shrimp <i>Palaemon adspersus</i> in Eastern Algeria: biometric parameters, reproductive potential and biomarkers activities	Berghiche Bentoubal Hinda, Ameer Asma, Soltani Noureddine	Berghiche Bentoubal Hinda	17:35
288	Lethal effects of a biopesticide Azadirachtin on development of the Mediterranean flour moth, <i>Ephestia kuehniella</i> Zeller	Yezli Touker Samira, Taffar Asma, Bendjedid Hadjira, Soltani Noureddine	Yezli Touker Samira	17:40
220	Evaluation of bioindicators parameters of male rats Wistar exposed to fungicide chlorothalonil	Leila Mallem, Imene Dellal, Amel Chouabia, Cherif Abdenour	Leila Mallem	17:45



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253	Sensitivity of two procedures to estimate the impact of the ionic liquid 1,3-dimethylimidazolium dimethylphosphate [C1C1Im][DMP] on soil microbial activity	Teresa Sixto, Josefa Salgado, Juan José Parajó, Otilia Reyes, Carmen Trasar Cepeda	Teresa Sixto	17:50
293	Effects of long-term exposure to silver nanoparticles on daphnia magna	Daniela Hlavkova, Miroslava Beklova, Barbora Havelkova	Daniela Hlavkova	17:55

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**Sustainable natural resource and waste management**

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102	The PRO.S.IT. project for the improvement of viticulture sustainability in Basilicata Region (Southern Italy)	Mariagrazia Demilio, Maria Lanfredi, Lorenzo Amato, Rosa Coluzzi, Andrea Falcone, Vito Imbrenda, Francesco IZZI, Donato Maio, Vitale Nuzzo, Vito Salvia, Giuseppe La Scaleia	Mariagrazia Demilio	18:00
183	The Inno_Olivo&Olio and O.R.G.OLI.O LUCANO projects for the characterization and mapping of olive cultivation in Basilicata Region (Southern Italy)	Mariagrazia Demilio, Andrea Falcone, Rosa Coluzzi, Vito Imbrenda, Maria Lanfredi	Mariagrazia Demilio	18:05
196	Characterization and remediation of an industrial contaminated site: a case study in the North-Italy	Emilia Montesarchio, Ornella Salimbene	Emilia Montesarchio	18:10
209	Investigations of thermal stability on different fuels and bio-wastes	Ekaterina Serafimova, Vilma Petkova, Ventseslav Stoyanov, Ventseslav Stoyanov	Ekaterina Serafimova	18:15
213	Changes in metabolic profile of lettuce plants fertilized with olive oil mills sludge	Claudio Beni, Laura Casorri, Eva Masciarelli, Barbara Ficociello, Marco Di Luigi, Rita Aromolo, Mena Ritota	Marco Di Luigi	18:20
270	Effects on growth and biomass production of patè olive cake for agronomic application	Claudia Fontana, Silvia Socciarelli, Rita Aromolo, Daniele Pizzichini, Daniela Bellincampi, Anna Benedetti, Ulderico Neri	Claudia Fontana	18:25

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**END OF POSTER SESSION 2**





## DAY 2 - October 27<sup>th</sup>

### POSTER SESSION 3

#### Virtual poster presentations

Afternoon session – October 27<sup>th</sup> 4:00 PM – 6:15 PM CET - **Virtual room #2**

Chair:

<i>Abstract</i>	<i>Title</i>	<i>Authors</i>	<i>Presenter</i>	<i>Time</i>
<b>Climate change mitigation and air pollution abatement – towards win-win solutions</b>				
81	GIS-Based Monitoring of the Carbon Footprint Changes For Sustainable Campus Management; A Case Study of ITU Ayazaga Campus	Hamdi Öbekcan, Fazlı Engin Tombuş, Ibrahim Murat Ozulu, Veli İlçi, Dursun Zafer Şeker, Reha Metin Alkan	Hamdi Öbekcan	16:00
294	Determination of Urban Regeneration Areas in Turkey: Current Approach and Suggestions for Sustainable Development	Ezgi Sezgin, Ali Tunc, Tahsin Yomraliogu	Ezgi Sezgin	16:05
<b>Energy, environment and sustainability</b>				
6	Indoor climate assessment and energy analysis of a warehouse and sorting unit for agricultural products in Northern Greece	Christos Evangelou, Giorgos Panaras	Giorgos Panaras	16:10
13	Indoor environment and energy performance analysis of an office building in Northern Greece	Konstantina Gritzapi, Giorgos Panaras	Giorgos Panaras	16:15
27	Effects of Biofuels and Renewable Resources on Environmental Protection and Its Relationship with Agriculture	Cansu Dölek Gencer, Merve Dölek	Cansu Dölek Gencer	16:20
59	Tourism Oriented Urban Transformation and Environmental Effects on the Mediterranean Coast: The Case of Turkey	Merve Dölek, Suna Muğan Ertuğral, Sezgi Gedik	Merve Dölek	16:25
62	Effects of Pesticides and Chemicals on Environmental Pollution, Agriculture and Health	Cansu Dölek Gencer	Cansu Dölek Gencer	16:30
94	Estimation of Surface Energy Balance Components over Canola Canopy by Using Chaotic Approach	Nilcan Altınbaş, Evren Özgür, Levent Şaylan, Kasım Koçak	Nilcan Altınbaş	16:35



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153	Synergy of mass and night cooling in reducing mechanical-ventilation energy demand. The case of an earthen structure	Michael Darmanis, Murat Çakan, Konstantinos P Moustiris, Konstantinos Stefanos P Nikas, Kosmas A Kavadias	Konstantinos P Moustiris	16:40
226	Sustainability of compact, high magnetic field fusion reactors: the impact on environment, society and economy	Samuele Meschini	Samuele Meschini	16:45

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**Environmental and health inequities – socio-economic determinants of exposure**

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40	Sound Agricultural Practices in Turkey. Environmental Impact on the Enhancement of Soil Fertility	Cengiz Kahraman, Gökhan Çaylı	Cengiz Kahraman	16:50
48	Environmental Conditions and Geographical Indication Products Marketing in Agriculture in Turkey	Cengiz Kahraman, Güzide Öncü Eroğlu Pektaş	Cengiz Kahraman	16:55
119	Health and climate change: the charter as a tool to promote actions	Walter Ricciardi, Stefania Marcheggiani, Camilla Puccinelli, Mario Carere, Tonino Sofia, Laura Mancini	Laura Mancini	17:00
247	Study on the hepatotoxicity of a fungicide widely used in Algerian agriculture in the wistar rat	Baali Bouchra, Amrani Kirane Leila, Tichati Lazhari, Benchouieb Hichem, Baali Abdessalem	Baali Bouchra	17:05
214	Antimicrobial and Anti-biofilm Activities of Synthesized Hydroxyapatite Nanoparticles Against Drug-Resistance Bacteria	Houneida Benbouzid, Zahra Obeizi, Amel Saoudi	Houneida Benbouzid	17:10

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**Environmental economics, policy and education**

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32	The effect of political and economical instability on environmental policy of Turkey	Elif Erbay, Yunus Yaşar, Assel Nadyrkhanova, Suna Muğan Ertuğral, Dünder Murat Demiröz	Elif Erbay	17:15
165	Usability investigation of UAV based photogrammetry and lidar for forest inventories	Ozan Ozturk, Egehan Vardar, Batuhan Sariturk, Dursun Zafer Seker	Ozan Ozturk	17:20

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**New and emerging technologies for environmental and health applications**

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16	Assessment of High Nature Value farmlands with ground thermal imaging techniques: the case of Mediterranean olive groves in Naxos Island, Greece	Yiannis G. Zevgolis, Stylianos P. Zannetos, Apostolos Christopoulos, Irene N. Glezou	Yiannis G. Zevgolis	17:25
84	Evaluating the effectiveness of infrared techniques in quantifying disturbances of post harvested pine forest systems	Yiannis G. Zevgolis, Venetia Grammenou, Stylianos P. Zannetos, Andreas I. Troumbis	Yiannis G. Zevgolis	17:30
85	Geospatial analysis for tree hazard assessment using screening tools: implications for urban forest management	Yiannis G. Zevgolis, Zinovia M. Alsamaail, Stylianos P. Zannetos, Andreas I. Troumbis	Yiannis G. Zevgolis	17:35
88	Hot spots, cluster detection, and spatial outlier analysis for estimating trees' structural defects	Yiannis G. Zevgolis, Andreas I. Troumbis	Yiannis G. Zevgolis	17:40
109	Using One-Soil for an easy and fast monitoring of the vineyard phenology	Mariagrazia D'emilio, Maria Lanfredi, Rosa Coluzzi, Andrea Falcone, Vito Imbrenda	Mariagrazia D'emilio	17:45
132	Efficient, user-friendly water monitoring strategies and systems based on innovative technologies Intcatch: project H2020	Stefania Marcheggiani, Mark Scrimshaw, Mario Carere, Tobias Licha, Nathalie Gilbert, Francesco Fatone, Alessandro Farinelli, Massimo Delledonne, Roza Allabashi, Geoffrey Christopher Brighty, Simos Malamis, Mark Ordeix	Stefania Marcheggiani	17:50
138	A Decision Support System (DSS) for integrated climate forcing and air pollution reduction and in European Cities	Ioannis Kapanidis, Emmanouel Tsiros, Marinos Karteris, Vangelis Bagiatis, Dimosthenis Sarigiannis, Alberto Gotti	Ioannis Kapanidis	17:55
236	The bactericidal effect of green algae <i>Cladophora</i> sp. against humans' pathogenic bacteria	Saoudi Amel, Bouacha Mabrouka, Amri Sandra, Benbouzid Houneida, Boufligha Khedidja, Belhaouse Saber, Abdelkrim Meriem, Abdouni Iness, Bensouilah Mourad	Saoudi Amel	18:00
241	The effect of titanium dioxide nanomaterials against cyanobacterial organisms	Karima Boutarfa, Amel Saoudi, Khedidja Boufligha, Houneida Benbouzid, Racha Mihoub, Mourad Bensouilah	Karima Boutarfa	18:05
244	Radiation damage investigation on ARC Reactor magnet components	Antonino Meli		18:10



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**END OF POSTER SESSION 3**

**END OF SYMPOSIUM**