

# **13<sup>th</sup> International Conference on Protection and Restoration of the Environment**

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**3rd to 8th July, 2016 | Mykonos island, Greece**

## **CONFERENCE PROGRAM**

### **Organized by:**

**Division of Hydraulics and Environmental Engineering, Department of Civil Engineering, Aristotle  
University of Thessaloniki, Greece**

**Stevens Institute of Technology, USA**

**Department of Civil Engineering, University of Thessaly, Greece**

**Department of Water Resources and Environmental Engineering, School of Civil Engineering,  
National Technical University of Athens, Greece**

### **Under the aegis of:**

**Department of Civil Engineering, Faculty of Engineering,  
Aristotle University of Thessaloniki**

**Mykonos island, Greece | 3rd to 8th July, 2016**



PROTECTION  
AND  
RESTORATION  
OF THE  
ENVIRONMENT  
**XIII**

*Artwork by Rigas Kougkolos*

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- Papassiopi, N., NTUA, Greece
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- Yannopoulos, S., AUTH, Greece
- Zafeirakou, A., AUTH, Greece
- Zagas, T., AUTH, Greece
- Zissimos, A., Geological Survey Department, Cyprus
- Zorpas, A., Cyprus Open University (Cyprus)

18:00-21:00    **Registration (Royal Myconian Hotel)**

19:30-21:00    **PRE XIII Conference opening session**

Chairs: A. Kungolos, C. Christodoulatos, C. Laspidou, D. Dermatas

Opening remarks by officials

### **Invited lectures**

*Associate Professor A. El Tarabishy, The George Washington University, Washington, USA.*

**“Entrepreneurship 3.0 – From the Ruins to Harmony”.**

*Professor Y. Mylopoulos, Aristotle University of Thessaloniki, Thessaloniki, Greece.*

**“The metro engineering projects in Athens and Thessaloniki as development and environmental protection projects”.**

21:00            **Welcoming reception at the Royal Myconian Hotel**

# CONFERENCE PROGRAM

Monday, July, 4, 2016 • Day 2

	ROOM A	ROOM B	ROOM C
	<p>Wastewater treatment and management I CHAIRS: C. Christodoulatos, X. G. Meng</p>	<p>Protection and restoration of ecosystems I CHAIRS: V. Kanakoudis, H. Weingartner</p>	<p>Water resources management and contamination control I CHAIRS: E. Gengec, N. Voulvoulis</p>
09:00-09:15	<p>Redox transformation and treatment of arsenic in water. X. G. Meng, C. Christodoulatos, G.P. Korfiatis</p>	<p>Assessment of minimum water level and flow in water bodies in Greece under the impact of climate change. C. Skoulikaris, A. Zafirakou, C. Anagnostopoulou, K. Tolika, C. Doulgeris, D. Papadimos, S. Triantafyllidis, M. Koutrakis</p>	<p>The Water Framework Directive: a systems approach to sustainability challenges. N. Voulvoulis, K. C. Arpon, T. Giakoumis</p>
09:15-09:30	<p>Electrochemical remediation of tannery wastewater by photovoltaic electrocoagulation. K. Dermentzis</p>	<p>Innovative environmentally friendly materials and technologies in pavement design and construction. F. Kehagia, E. Manthos, C. Tasika, I. Tsiantou</p>	<p>Affinity of electrocoagulation process on hydrophobic/hydrophilic fraction of Baker's yeast wastewater. E. Gengec, M. Kobyra</p>
09:30-09:45	<p>Column tests for evaluating the remediation of Cr(VI) contaminated waters using resin supported nanoiron. A. Toli, M. Alexopoulou, C. Mystrioti, A. Xenidis, N. Papassiopi</p>	<p>Alpine pasturelands: Reasons and consequences of land use transformation by examples of the Austrian Alps. H. Weingartner</p>	<p>Monitoring of haloacetic acids in water samples by liquid chromatography-tandem mass spectrometry. Y. Kadmi, L. Favier, A.I. Simion, F. Kaidi, D. Wolbert</p>
09:45-10:00	<p>Elimination of a mixture of contaminants of emerging concerns from municipal sludges by using a fungal approach. S. Saibi, H. Cabana</p>	<p>Water saving by applying biosolids to an energy crop under deficit irrigation. D.S. Dimakas, V. Giouvanis, C.D. Papanikolaou, M.A. Sakellariou-Makrantonaki</p>	<p>Humic acid removal from aqueous solution by fixed-bed electrocoagulation reactor using Al ball anodes. F. Ulu, E. Gengec, M. Kobyra</p>
10:00-10:15	<p>Domestic greywater treatment in a constructed wetland mesocosm planted with two species of macrophyte. A. Gupta, R. Bhuyan</p>	<p>A qualitative method for mapping of pesticide loss risk in the area of Trifillia in western Peloponnese, Greece. T. C. Karyotis, A. Ilias, P. Dalambakis, E. Hatzigiannakis, A. Tsitouras, S. Stathaki, J. Vrouchakis, K. Karyoti, G. Arampatzis, A. Panagopoulos</p>	<p>Innovative low impact development and natural area preservation in rapidly urbanizing coastal areas. K. Jones, J. Guerrero, A. Sanchez Gonzalez</p>
10:15- 10:30	<p>Fungal collection screening for phenol removal from a biorefinery industry wastewater. A. Ariste, V.V. Kumar, S. Saibi, R. A. Batista-García, H. Cabana</p>	<p>Application and sensitivity analysis of the abcd water balance model in three different basins in Greece G. Moraitis, A. Boyrnas, D. Nikolopoulos, E. Floni, E. Baltas</p>	

# CONFERENCE PROGRAM

Monday, July, 4, 2016 • Day 2

COFFEE BREAK		
ROOM A	ROOM B	ROOM C
<p><b>11:00-11:30</b>  <b>11:30-12:00</b>  <b>Invited Speaker:</b> Professor G. P. Korfiatis, Stevens Institute of Technology, Hoboken, USA                      “Progress on Sustainability at Multiple Scales”</p>		
<p><b>ROOM A</b>                      Wastewater treatment and management II                      CHAIRS: D. Dermatas, A. Stamou</p>		<p><b>ROOM B</b>                      Remediation of contaminated media                      CHAIRS: C. Lapidou, V.A. Tsihrintzis</p>
<p><b>12:00-12:15</b>                      Adsorption of hexavalent chromium on ophiolitic sediment, hematite and goethite in the presence of phosphates.                      T. Bouras, K. Lagkouvardos, D. Dermatas, M. Chrysochoou</p>	<p>Kinetic modelling of a chloroethene-degrading, sulfate-reducing and methane-producing mixed culture.                      K. Kandris, K. Antoniou, M. Pantazidou, D. Marmais</p>	<p>Water resources management and contamination control II                      CHAIRS: C. Evangelides, H. Muhammetoglu</p>
<p><b>12:15-12:30</b>                      Modeling the wind effect on the hydraulic efficiency of settling tanks for water treatment.                      A. Gkesouli, A. Stamou</p>	<p>Catechol 2,3-dioxygenase activity in <i>Pseudomonas</i> isolated from different soils is increased by hydrocarbons and pesticides.                      G. Palma Ayala, C. González Ávalos, A. Martínez-Rizo, J. B. Velazquez-Fernandez</p>	<p>Evaluation of soil water diffusivity using different methods from horizontal absorption.                      C. Evangelides, G. Arampatzis, C. Tzimopoulos</p>
<p><b>12:30-12:45</b>                      Sustainable degradation of municipal sludge by using phytochemical molecules with antioxidative activity.                      E.Giannakopoulos, S. Alexandropoulou, E. Isari, K. Bourikas, H.K. Karapanagioti, I.K. Kalavrouziotis</p>	<p>Environmental contamination and site remediation at radium and uranium old mines in Portugal.                      F. da Piedade Carvalho, J.M. Oliveira, M. Malta</p>	<p>Environmental recovery in Sydney Harbour, Nova Scotia: Evidence of natural and anthropogenic sediment capping.                      T. Walker</p>
<p><b>12:45-13:00</b>                      Real study of industrial wastewater COD degradation based on AnBio-Cube technology for Taiwan solar cell plant.                      K.-C. Lai, Y.-T. Wang, S.-M. Shen, W.-T. Chen</p>	<p>Stabilization of heavy metal contaminated mine tailings using various renewable waste resources.                      D. H. Moon, I. Hwang, K.H. Cheong, Y.-Y. Chang, K. Baek, W.S. Shin, S. Hyun, J.-H. Park</p>	<p>Environmental quality assessment of lacustrine sediments from an artificial water reservoir: the case of the “Pietra del Pertusillo” lake (Basilicata, Italia).                      E. Fortunato, G. Morgelli, M Paternoster, R. Sinisi</p>
<p><b>13:00-13:15</b>                      Occurrence of selected micro-pollutants in the surface water: a case study on effect of a non-treated wastewater discharged into the Danube River, Vojvodina Province, Serbia.                      B. Skrbic, I. Antić, N. Djurišić-Mladenović, D. Tadić</p>	<p>Effects of metal concentration on bacterial inactivation in plasma-activated water.                      T. Chen, T.-L. Su, J.-F. Liang</p>	<p>Hydro-measurements and water quality sampling monitoring for agricultural use of Pinios River water in Central Greece.                      E. Hatzigiannakis, A. Filintas, M. Salsalou, G. Panoras, A. Zavra</p>

# CONFERENCE PROGRAM

Monday, July, 4, 2016 • Day 2

ROOM A		ROOM B		ROOM C	
		Environmental entrepreneurship CHAIRS: D. Bouranis, D. Jacimovic			
13:15-13:30	The use of colloidal zero valent iron nanoparticles for hexavalent chromium reduction in wastewater: the influence of nitrate. G. Vilardi, L. Di Palma, N. Verdona	Environmental entrepreneurship potential of fruit juices production in Montenegro. D. Jacimovic, D. Šukovic, D. Golovic		Crop coefficient estimation for the cultivations in North West Greece. G. Arampatzis, C. Evangelides, M. Nikou	
13:30-13:45	Investigation of the biodegradation of ibuprofen (IBU) residues by using an extended-aeration activated sludge process. M. Maarroof, Y. Uysal	Review of the Eco-design proposed legislation in industrial furnaces/burners regarding energy consumption and the related greenhouse gas emissions. P. Papadatos, C. Psomopoulos, G. Ioannidis		Improving efficiency of a water distribution network by implementing a pump as turbine system: Antalya Case Study. I.E. Karadirek, O. Gulaydin, Ö. Özen, A. Muhammetoglu, H. Muhammetoglu	
13:45-14:00	Potential biosorbents for treatment of Cr(VI) contaminated water discharged into Asopos river. I. Lagiopoulos, A. Binteris, T. Mpouras, I. Panagiotakis, M. Chrysochoou, D. Dermatas	Sulfogrow®: A new type of plant biostimulant? S. Chorianopoulou, A. Venieraki, F. Maniou, H. Mavrogiannis, D. Benardos, P. Katinakis, D. L. Bouranis		Restoring the River Niger - Source to Delta. R. I. Enang	
14:00-14:15				Agricultural nitrate pollution of groundwater in Antalya-Turkey. A. Cil, R. Keyikoglu, F. Yenilmez, A. Muhammetoglu, H. Muhammetoglu	
14:15-14:30				Use of lab scale barrier with waste materials on denitrification process to clear groundwater. S. Gkiouzevas	
14:30-17:00	<b>MID-DAY BREAK</b>				



# CONFERENCE PROGRAM

Monday, July, 4, 2016 • Day 2

ROOM A		ROOM B		ROOM C	
	Global environmental changes CHAIRS: P. Karanis, S. Zoras	Special Session “Environmental aspects of marinas and touristical ports” CHAIRS: K. Moutzouris, C. Skanavis	Special session “Renewable and Sustainable Energy Management and Planning” CHAIRS: D.Vagjona, E. Loukogeorgaki		
17:00-17:15	Parasites in the field of water: public health implications, influences by climate changes and research needs. P. Karanis, G. Karanis	Greek marinas: a mythical saga. G.E. Andrianis, E.G. Andrianis	Thermal performance investigation of two different residential buildings in Marmari, South Evia. A. Kanteraki, P. Michalakakou		
17:15-17:30	Experimental investigation of window frames and heat/cold transfer to structure elements at achieving energy saving. A. Mouttzakis, S. Zoras, P. Kosmopoulos	Linaria Port, Skyros: An environmentally friendly port community for leisure crafts. K. Antonopoulos, V. Plaka, C. Skanavis	Determining optimal siting areas for wind farms in the regional Unit of Chania, Crete in Greece. E. Emmanouilidi, D. G. Vagjona		
17:30-17:45	Focusing solar spectrum by anthracene molecules. L. J. Liu, T. Cao	The procedure for obtaining a Blue Flag in a marina hotel in Crete, Greece. A. Kamarinakis	Site selection for onshore windfarm applications: Recent applications and trends. D. G. Vagjona, N. Karanikolas, C. Alexiou		
17:45-18:00	Enabling new values chains for CO <sub>2</sub> reuse. A. Angelis-Dimakis, A. Castillo-Castillo	Environmental impacts from the construction and operation of marinas and touristical ports. P.S. Kollias, V.P. Kollias, S. Kollias	Assessing cooling loads through building envelopes under varying outdoor and indoor constraints. D. Zenginisi, K. Kontoleon		
18:00-18:15	Surrounding planting and its effect on the energy balance at a zero energy demand building. A. Mouttzakis, S. Zoras, P. Kosmopoulos	Dredging and sediment management in marinas and touristical ports. G. Papacharalampous	Planning of the installation of an offshore wind farm. S. Evangelopoulou, E. Loukogeorgaki		
	Air quality and contamination control/ Indoor air quality CHAIRS: A. Triantafyllou, G. Kollaros				
18:15-18:30	Calculations of open mines fugitive dust emissions by the use of measurements and three different dispersion models. A. G. Triantafyllou, N. Moussiopoulos, A. Krestou, G. Tsegas, V. Matthaios, M. Andreadou	Environmental impacts of marinas: review of case studies. S. Papagrigoriou, G. Kotzageorgis, Y. Bekiaris	A sustainable energy and development pattern based on R.E.S. for insular and rural communities D. Al. Katsaprakakis, D. Zafirakis, D. G. Christakis		

# CONFERENCE PROGRAM

Monday, July, 4, 2016 • Day 2

	ROOM A	ROOM B	ROOM C
<b>18:30-18:45</b>	Atmospheric deposition and physiological response of the lichen <i>Ramalina fastigiata</i> to the urban environment of Kaunas, Lithuania. G. Sujetovienė, J. Sališkaitė, R. Dagiliūtė, J. Žaltauskaitė	Geospatial assessment of the pollutant load trend in a coastal marine area. F. Sakellariadou	
<b>18:45-19:00</b>	How can we reduce effects of air pollution from the transport sector: Lessons learned from the Greek economic crisis. V. A. Profillidis, G. N. Botzoris	Environmental and safety aspects for marinas: elements and new trends. N. Ventikos, E. Stamatopoulou	
<b>19:00-19:15</b>	Slag use in road construction acts favorably for the environment. A. Athanasopoulou, G. Kollaros		

# CONFERENCE PROGRAM

Tuesday, July, 5, 2016 • Day 3

	ROOM A	ROOM B	ROOM C
	<p>Protection and restoration of coastal zone and open sea waters CHAIRS: C.I. Moutzouris, P. C. Yannopoulos</p>	<p>Environmental law and policy CHAIRS: A. Naniopoulos, S. Yannopoulos</p>	<p>Environmental impact assessment and risk analysis I CHAIRS: D. Latinopoulos, N. Sivri</p>
09:00-09:15	<p>Exploitation of wave energy while protecting the coast from erosion. I. Roupas, E. Sarivasileiou, T. V. Karambas</p>	<p>The legal point of view of forest road construction. A. Douka, V. Giannoulas</p>	<p>Comparative life cycle assessment of three water intensive tree cropping systems. G. Bartzas, D. Zaharakis, K. Kornitsas</p>
09:15-09:30	<p>Preliminary results of seawater quality measurements at the new south port of Patras, Greece. A. Aravantinou, A. Bloutsos, V. Tsiboukhis, I. Manariotis, P. C. Yannopoulos</p>	<p>The implementation of Water Framework Directive and Flood Directive in Greece: Progress and Critical Review. E. Eleftheriadou, S. Yannopoulos</p>	<p>Spatial and economic dimensions of flood risk assessment: A literature review. M. Kasapaki, D. Latinopoulos</p>
09:30-9:45	<p>Experimental investigation of wave transmission and reflection at a system of low crested breakwaters. Th. Giantsi, G. Papacharalampous, M. Karadinos, C.I. Moutzouris</p>	<p>Water scarcity and drought policy in the European Union and the role of the water footprint. S. Symeonidou, D. Vagiona</p>	<p>Oil contamination damage and the marine biodiversity: Caspian Sea and Black Sea. N. Sivri, H. K. Özcan, F. Ahmadli, E. Başar</p>
9:45-10:00	<p>Assessing coastal zone response under extreme storm events for flood risk management. The case study of Rethymno, Greece. E.V. Kragiopoulou, E.S. Skarlatou, A. Lykou, C. Makropoulos, V. K Tsoukala</p>	<p>Management of Mediterranean coastal wetlands according to the requirements of European water Directives. Application to a pilot area. J. Grima, B.J. Ballesteros, J.A. Domínguez, S. Rosado</p>	<p>Metabolomics approach to evaluate resilience of soil after treatment with natural herbicide. C. Calvayrac, C. Patil, S. Romdhane, J.F. Cooper, F.E. Dayan, C. Bertrand</p>
10:00-10:15	<p>Application of Harmony Search Algorithm in the optimal design overtopping breakwater for energy conversion systems. V. Kralli, N. Theodossiou, T. Karambas</p>	<p>Creating a compensation fund: towards a more effective solution to the environmental prevention and restoration? K. Pouikli</p>	<p>Discrimination of lithogenic and anthropogenic sources of metals in soils developed on ultramafic bedrock. D.G. Megadouka, D. L. Bouranis, K. G. Serelis</p>
10:15-10:30		<p>Approaches to determine hazard properties for EU waste classification. P. Maraboutis, E. Nikolau, N. Poulimenou</p>	<p>Assessment of a Cr(VI)-contaminated industrial site in Greece. I. Panagiotakis, D. Dermatas, C. Vatselis, P. Merkos, M. Chrysochoou, N. Linardos, T. Mpouras, E. Theologou, N. Papassiopi, A. Xenidis</p>

# CONFERENCE PROGRAM

Tuesday, July 5, 2016 • Day 3

	ROOM A	ROOM B	ROOM C
10:30-10:45		The Turkish environmental impact assessment system. S.S. Alica	
10:45-11:00		Water and the re-arrangement of the society. D. Koumparou	
11:00-11:30	<b>COFFEE BREAK</b>		
	Environmental economics CHAIRS: R. Dagiliūtė, T. Panagopoulos	Ecotoxicology CHAIRS: B. Skrbic, M. Mingazzini	Environmental impact assessment and risk analysis II CHAIRS: W. Braidă, I. Twardowska
11:30-11:45	Who's to Blame for Greece? Austerity in charge of saving a broken economy. Paying the price of the political risk. T. Pelagidis, M. Mitsopoulos	Environmental concentrations of the antiepileptic drug carbamazepine interfere with endocrine system of <i>Daphnia magna</i> . P. Palma, A. L. Oropesa, A. Floro	Element contents in peat as retrospective fingerprints of airborne metal/metalloid transport and deposition. I. Twardowska, E. Steinnes
11:45-12:00	Towards a strategic research agenda on soil, land-use and land management in Europe. T. Panagopoulos, V. Ferreira, M. D. Antunes	Multigenerational exposure to elevated temperature can make <i>Daphnia magna</i> more vulnerable to Cu-induced oxidative stress. E. Bae, J. Jung	Environmental threats from high enthalpy fluid storage in geothermal power systems. G. Piperidis, Z. S. Nivolianitou, E. Kondili
12:00-12:15	Investigation of impacts of the Transdriatic Pipeline (TAP) Compressor location in the area of Serres Prefecture, application of a methodology to evaluate alternatives. A. Naniopoulos, G. Kazanas	Hydrogeochemical and microbiological characteristics of the Belovo mine site (Kemerovo region, Russia). N. Abrosimova, N. Yurkevich, S. Bortnikova, O. Saeva, A. Reutsky, V. Chernukhin	A dynamic risk and mass depletion assessment using system dynamics. A. Kalomoiri, A. Koutsospyros, W. Braidă
12:15-12:30	Applying the Contingent Valuation Method to estimate the economic value of the Thessaloniki suburban Seich-Sou forest amenities. E. K. Oikonomou, A. Guitonas	Genotoxicity evaluation of the insecticide Deltamethrin on circulating blood cells of <i>Pelophylax ridibundus</i> (Anura, Ranidae) by comet and micronucleus bioassays. U. C. Erismis, P. Agyar	Barriers identification regarding the implementation of an environmental management system in a bakery-confectionary industry in Cyprus. I. Voukkali, A. Zorpas, P. Loizia, D. M. Pociovalisteanu

	<b>ROOM A</b>	<b>ROOM B</b>	<b>ROOM C</b>
<b>12:30-12:45</b>	Exploiting energy recovery potential in a water distribution network along with reliable pressure management. <i>M. Patelis, I. Vasilopoulos, V. Kanakoudis, K. Gonelas</i>	Determination of the toxicity of different environmental discharge waters using the acute toxicity tests approved for national pollutant discharge permit in Turkey. <i>V. Zülal Sonmez, N. Sivri, A. Handan Dökmeci</i>	Organic contamination in offshore sediments from a petroleum exploration area, Campos Basin, Brazil. <i>A. de L. R. Wagener, A.P. Falcão, C.O. Farias, C. Massone, C. Mauad, A. Nudj, A de L. Scofield</i>
<b>12:45-13:00</b>	Relationship between GDP per capita and the WTE investments in global scale. <i>K. Patsiouras, C.S. Psomopoulos, I. Venetis, A.C. Bourtsalas, N.J. Themelis</i>	Distribution and uptake of trace metals in sediment and mangrove plant organs in Indian Sundarban Wetland. <i>R. Chowdhury, S.K. Sarkar</i>	Environmental impact assessment of flood prevention measures in Šiba village, Slovakia. <i>M. Zeleňáková, L. Zvijáková</i>
<b>13:00-13:15</b>	Value of the authenticity of the Curonian Spit: contingent valuation method. <i>R. Dagiliute, M. Žalandauskas, G. Sujetovienė, J. Žaltauskaitė</i>	Electronic waste leachate and pharmaceutical effluent induced genotoxicity, hepatotoxicity and oxidative stress in toads ( <i>Bufo regularis</i> ). <i>C. G. Alimba, O.O. Odusanya, A.A. Oladeinde</i>	The geophysical investigations for the evaluation of environmental pollution in mining tailings areas. <i>N. Yurkevich, N. Abrosimova, S. Bortnikova, O. Saeva</i>
<b>13:15-13:30</b>	Spatial distribution of regional economy and logistics industry in East China. <i>N. Jing, J. Xu</i>		
<b>14:00-17:00</b>	<b>MID-DAY BREAK</b>		
	<b>Environmental Informatics</b> CHAIRS: <i>P. D. Scarlatos, P. Kassomenos</i>	<b>Environmental health</b> CHAIRS: <i>A. Zorpas, A. Guitonas</i>	<b>Special Session</b> “Environmental communication and education” CHAIRS: <i>C. Skanavis, S. Papagrigroriou</i>
<b>17:00-17:15</b>	Dispersion, fire, smoke, and consequence modeling using Computational Fluid Dynamics (CFD) and Large Eddy Simulation (LES) codes. <i>A.N. Karayannis, I. Panagopoulos, P. Kassomenos</i>	Vermicomposting as a means of velocity increase of dewatered biological sludge partial solar drying in an open-type greenhouse. <i>A. Guitonas, E. K. Oikonomou, C. Emmanouil</i>	Online M.S. environmental engineering programs-the University of New Haven (UNH) experience. <i>E. Hadrnagy, B. Riedinger, J. Vilberg, A. Koutsospyros</i>
<b>17:15-17:30</b>	Use of terrestrial laser scanner to monitor structural and biometrical variables in degraded peri-urban forests. <i>U. Chiavetta, N. Puletti, G. Mazza, P. Cantiani, I. De Meo, A. Paletto, A. Lagomarsino</i>	Synthesis of iron(III) oxide coated bentonite clay and its performance in the defluoridation of groundwater. <i>T. Ngulube, W. Mugeru, H. Tutu</i>	Environmental sensitivity of college students. <i>A. Vamvakari, R. Zarkevili, C. Skanavis</i>

	<b>ROOM A</b>	<b>ROOM B</b>	<b>ROOM C</b>
<b>17:30-17:45</b>	Wind-driven hydrodynamic simulation of lake Okeechobee, Florida, USA. <i>P. D. Scarlatos, C. G. Koutitas</i>	Traffic noise in mid-size towns: The case of Xanthi, Northern Greece. <i>G. Kollaros, A. Athanasopoulou, V. Kollarou</i>	Literature and environmental education: The case of Alexandros Papadiamantis. <i>E. Manolas, G. Tsantopoulos</i>
<b>17:45-18:00</b>	Modelling groundwater recharge in a coastal aquifer using groundwater level data from a dense observation network. <i>A. Ziogas, V. Kaleris</i>	Nervous toxicity of titanium dioxide nanoparticles on rat- A combined <i>in vivo</i> and <i>in vitro</i> study. <i>C. Jun, S. Cheng, L Mei</i>	Leisure time and mass media among elementary school pupils: Some research findings. <i>G. Tsantopoulos, E. Manolas, A. Dalamagkidou</i>
<b>18:00-18:15</b>	Classification of rainfall data in the region of Serres using fuzzy logic. <i>N. Samarinas, C. Evangelides, C. Tzimopoulos</i>	Neurotoxic effects of chlorpyrifos exposure on neonatal mice. <i>M.M. Pallotta, R. Ronca, I. Porreca, R. Carotenuto, C. Ambrosino, T. Capriglione</i>	How close to being “Green” are the Greek universities. <i>D. Papaioannidou, C. Sardi, C. Skanavis</i>
<b>18:15-18:30</b>	An automated, GIS based decision support system for fertilizer use in the basin of river Aggitis. <i>I. Iordanidis, N. Kamidis, S. Orfanidis, P. Anagnostopoulos, E. Malkakis, A. Antoniadis</i>	Study of organic fluorine pollutants in human serum, hair and nails to explore ideal bioindicator <i>H. Zhang, D. Yao, R. Zhang, S. Yin, Z. Chai, J. Shen, B. Yang</i>	Environmental summer camp in a Greek island. <i>S. Apostolopoulou, G. Grigoroglou, M. Karamperis, C. Skanavis, A. Kounani</i>
<b>18:30-18:45</b>		Healthcare waste management in Greece. A study of 31 hospital units. <i>M. Zamparas, I. Kalavrouziotis</i>	Assessing the environmental education practices of educators in a Greek island. <i>K.M. Ntaiou, C. Oursouzidou, C. Skanavis, A. Kounani</i>
<b>18:45-19:00</b>		Citizen’s mentality and behaviour regarding household pharmaceutical waste. <i>A. Zorpas, M. Demitriou, I. Voukkali</i>	Investigation of the interview as a measuring tool for the environmental illiteracy in Greece. <i>J. Barota, H. Giannakopoulou, K. Marini, C. Skanavis</i>
<b>19:00-19:15</b>			Evaluating the implementation of WWF Hellas program for a “better life”. <i>S. Pollaki, C. Skanavis</i>
<b>19:15-19:30</b>			The environmental impacts of the refugees’ settlements at Lesvos island. <i>C. Skanavis, A. Kounani</i>

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

**Wednesday, July 6, 2016 • Day 4 & Thursday, July 7 • Day 5**

<b>Wednesday, July 6, 2016 - Field trip to Delos and Renia Islands (optional)</b>	
<b>21:00</b>	<b>BANQUET</b>

<b>Thursday, July 7, 2016</b>	
<b>ROOM A</b>	
	Water resources management and contamination control III <b>CHAIRS:</b> E. Sidiropoulos, N. Theodossiou
<b>09:00-09:15</b>	Flow field experiments in a channel with artificial vegetation. A. Mavrommatis, G. Christodoulou
<b>09:15-09:30</b>	Groundwater management optimization with combined use of Harmony Search Algorithm and modular finite-difference flow model Modflow. M. Antoniou, N. Theodossiou, D. Karakatsanis
<b>09:30-09:45</b>	A multi objective harmony search hybrid for aquifer management. A. Manolis, E. Sidiropoulos, C. Evangelides
<b>09:45-10:00</b>	Comparative water quality assessment of a new and an old reservoir in Aliakmon River using both statistical tools and a modified NSF water quality index. G. Samiotis, E. Trikoilidou, A. Michailidis, E. Zagana, E. Amanatidou
<b>10:00-10:15</b>	Soil water content under transient flooding conditions: preliminary measurements under a recharging channel. C. Miracapillo
	<b>Waste minimization and pollution prevention</b> <b>CHAIRS:</b> F. J Alguacil, E. Kalampokis
<b>10:15-10:30</b>	Treatment of solid copper wastes with ammonia-based reagents to yield saleable copper. F. J Alguacil, I. Garcia-Diaz, F. A Lopez, O. Rodriguez
<b>ROOM B</b>	
	Solid waste management <b>CHAIRS:</b> A. Xenidis, N. Papassiopi
	Valorization of winery by-products after valuable component extraction using pyrolysis method. P. E. Kamaterou, A. Zabaniotou
	Site and size selection methodology of Waste-to-Energy facilities targeting R1 maximization and gate fee minimization. A concrete approach. E.G. Kyriakis, C. Psomopoulos, P. Kokkotis, A. Bourtsalas, N. Themelis
	Environmental remediation through beneficial utilization of mine waste: potential fabrication of geopolymeric materials from mine tailings. W. Mugerá Gitari
	Effect of metal activators on the oxidative degradation of PAHs using slow release persulfate candle. A. Septian, W.S. Shin
	Column study for the micro-silica encapsulation of pyrite surfaces to inhibit oxidation. K. Kollias, E. Mylona, N. Papassiopi, A. Xenidis
	Biofuel production from plasmatron gasification and reforming of sewage sludge and waste emission of carbon dioxide. J.-L. Shie, Y.-R. Liau, C.-Y. Chang

# CONFERENCE PROGRAM

Thursday, July, 7 - Day 6 & Friday, July 8 - Day 7

ROOM A		ROOM B	
<b>10:30-10:45</b>	Optimization of site selection of an anaerobic digestion plant for treatment and valorization of livestock liquid manure with the aid of GIS. <i>E. K. Oikonomou, A. Guitonas, E. Tekidis</i>		Effect of wheat biochar on silt soil temperature in coal mines located in arid-semiarid areas in China. <i>J. Xiong, Z. Bian, S. Lei, D. Yang, T. Wang</i>
<b>10:45-11:00</b>	The Circular Economy as a driver for opportunities and sustainable development in Greece. <i>S. Panagopoulos, V. Tryfona, A. Kungolos, L. Dimakos</i>		An island landfill mining and municipal solid waste treatment approach. <i>I. Frantzis, D. Skoura</i>
<b>11:00-11:15</b>	Development of a green chemistry laboratory guide for 10th grade chemistry students in Greece. <i>E. Kalampokis, C. Hatziantoniou - Maroulis, L. Antonoglou</i>		Modified contingent valuation method for agricultural wastes between the area of Peloponnese and Thessaly in Greece. <i>O.N. Kopsidas, A.N. Kopsidas</i>
<b>11:15-11:30</b>	Hierarchical classification of supercapacitors; stroke degradation and their environmental issues in their end-of-life phase. <i>P. I. Kokkotis, C. Psomopoulos, G. Ioannidis, S. Kaminaris</i>		Irreversible fixation of Cs on clay minerals. <i>K. Baek, J.-S. Lee, S.-M. Park</i>
<b>11:30-11:45</b>			Water balance model for evaluation of landfill malfunction due to leakage. <i>T. Vergou, A. Efstratiadis, D. Dermatatas, T. Mpouras</i>
<b>11:45-12:15</b>	<b>COFFEE BREAK</b>		
	Special Session “Innovative technologies for polluted water remediation” CHAIRS: <i>D. Musmarra, A. Di Nardo</i>		Spatial and urban planning CHAIRS: <i>F. Kehagia, F. Babuna</i>
<b>12:15-12:30</b>	Discontinuous permeable adsorptive barrier design and cost analysis: a methodological approach to optimization. <i>G. F. Santonastaso, I. Bortone, S. Chianese, A. Di Nardo, M. Di Natale, A. Erto, D. Musmarra, D. Karatza</i>		Rapid development of sustainable housing for disaster relief. <i>P. Kosmopoulos, E. Alexopoulou</i>
<b>12:30-12:45</b>	Purification of residual leach liquors from hydrometallurgical process of NiMH spent batteries through Micellar Enhanced Ultra Filtration. <i>V. Innocenzi, F. Tortora, M. Prisciandaro, F. Veglio</i>		Assessing urban mobility conditions through the use of indicators: The case of the Pylaia-Panorama and Pavlos Melas municipalities. <i>K. Tselepidou, Z. Choris, A. Sdoukopoulos, F. Kehagia</i>
<b>12:45-13:00</b>	Sorption of organic pollutants onto a humic acids-zeolitic tuff adduct. <i>V. Leone, P. Iovino, S. Capasso, S. Chianese, D. Musmarra</i>		Comparing international sustainable planning examples to the Greek planning reality and critic on the new Greek planning framework. <i>E. K. Oikonomou</i>



**C O N F E R E N C E P R O G R A M**  
**Thursday, July 7 - Day 6 & Friday, July 8 - Day 7**

<b>Thursday, July 7, Day 6</b>	
<b>ROOM A</b>	<b>ROOM B</b>
<b>13:00-13:15</b>	Numerical algorithm compared with analytic solution to solve an inverse problem of contamination source in a river. G.F. Santonastaso, A. Di Nardo, M. Di Natale, M. Iervolino, D. Musmarra
<b>13:15-13:30</b>	Culture optimization of <i>Chlorococcum</i> sp. for biomass and lipid production. A. Frementiti, I. D. Manariotis, A. F. Aravantinou
<b>13:30-13:45</b>	Synthetic TMAH wastewaters treatment with cavitation processes. D. Karatza, E. Hristoforou, M. Prisciandaro, V. Innocenzi, F. Tortora
<b>13:45- 14:00</b>	Water network partitioning of Skiathos island based on advanced topologic and energy optimization algorithms. A. Di Nardo, M. Di Natale, C. S. Laspidou, G.F. Santonastaso, D. Kofinas
<b>14:00-17:00</b>	<b>MID-DAY BREAK</b>
<b>17:00-17:15</b>	Sustainable architecture, planning and development CHAIRS: K. Aravossis, T. Tsoutsos
<b>17:15-17:30</b>	Proposal for a historic-cultural accessible route in the Historic Centre of Faro city as an opportunity for sustainable urban planning. S. Silva Costa, T. Panagopoulos
<b>17:30-17:45</b>	Assessment tools for energy efficiency in the tertiary sector buildings. S. Tournaki, T. Tsoutsos, M. Frangou, Z. Urosevic
<b>17:45-18:00</b>	A cost benefit analysis of hybrid energy efficiency application in buildings. K. Aravossis, V. Kapsalis
	Environmental sustainability of an existing airport. S. Aksit Sahinkaya, F. Germirli Babuna

<b>Friday, July 8, Day 7</b>	
<b>ROOM A</b>	
<b>11:00-14:00</b>	Round Table: Wrapping-up the conference and concluding remarks CHAIRS: A. Kungolos, K. Fytianos

**C O N F E R E N C E P R O G R A M**  
**P O S T E R P R E S E N T A T I O N S**

**Monday, July 4**

**Morning session (11:00-14:00)**

A01	Green biotransformations catalyzed by enzyme–inorganic hybrid nanoflowers in environmentally friendly ionic solvents. A. Papadopoulou, A. Tzani, A. C Polydera, P. Katapodis, A. Detsi, E. Voutsas, H. Stamatis	A11	Vegetative propagation of caper plant under Kuwait’s environmental conditions. O. M. Al-Ragam
A02	EU-SOLARIS: The European infrastructure for concentrated solar thermal and solar chemistry technologies. V. N Drosou, T. Oikonomou	A12	Monitoring of occurrence of indoor air pollutants in investigated school. S. Vilcekova, E. Kridlova Burdova, L. Meciarova
A03	Electrochemical reduction of carbon dioxide. The step of formic acid reduction. I.Kotoulas, A. Schizodimou, G. Kyriacou	A13	Air quality in the city of Volos using ERPI Index. G.T. Proias, K.P. Moustris, K.V. Koukouletsos, P.T. Nastos, I.K. Larissi, A.G. Paliatsos
A04	Variation of the As(V) lability on mine-impacted soils as a function of stabilization period, amending dose/timing, and soil properties. S. Hyun, M. Kim, J. Kim, Y.-S. Kim, D. H. Moon	A14	Assessment of municipalities building under warm climate conditions in relation to the Sick Building Syndrome. I. Voukkali, A. Zorpas, P. Loizia
A05	Phosphorus sorption by fine and coarse-grained sediments in the farm pond. N. Junakova, M. Balintova, M. Smolakova	A15	Measures rehabilitation and management of riparian ecosystems and riparian forest Agras Lake (GR1240004), Macedonia, Greece. N. Grigoriadis, G. Efthimiou, S. Grigoriadis
A06	Removal of pharmaceuticals by novel crosslinked copolymer adsorbents based on acrylic acid and vinyl imidazole. A. Koltsakidou, Z. Terzopoulou, K.V. Adam, D. Bikiaris, D. A Lambropoulou	A16	Agroforestry for High Value Tree Systems: system description. A. Pantera, P.J. Burgess, R. Mosquera Losada, G. Moreno, N. Corroyer, J. Mc Adam, A. Rosati, A.M. Papadopoulos, A. Graves, A. Rigueiro Rodriguez, N. Ferreiro-Domínguez, J.L. Fernández Lorenzo, M.P. González-Hernández, V.P. Papanastasis, K. Mantzanas
A07	Nitrate and phosphate uptake by immobilized <i>Chlamydomonas reinhardtii</i> cells. J. Papantoniou, A. Papadopoulou, A. Polydera, D. Gournis, P. Katapodis, H. Stamatis	A17	The riparian ecosystems of Sperchios river, Central Greece. A survey of literature. G. Efthimiou, E. Tsirekis, A. Mertzanis, A. Papadopoulos

**C O N F E R E N C E P R O G R A M**  
**P O S T E R P R E S E N T A T I O N S**

**Monday, July 4**

**Morning session (11:00-14:00)**

A08	Isocyanate-functionalized carrageenans as absorbents for the removal of Carbamazepine and Diclofenac from aqueous solutions. S.G. Nanaki, G.Z. Kyzas, M. Papageorgiou, C. Koulouktsi, D.N. Bikiariis, D. A Lambropoulou	A18	Strategic sustainable development and ecotourism in natural ecosystems with archaeological heritage resources: The case of “Korikion Andron” Trail at the Parnassos National Park. T. Lanara, A. Mertzani, N. Tsaprounis, A. Mertzani, G. Varvarigos, E. Koukou, V. Margaritopoulou, T. Tsitsoni
A09	Ambient air quality investigation in two Mediterranean coastal cities in Greece. G.T. Proias, K. Moustiris, K. Koukoultsos, P. Nastos, A. Paliatsos	A19	Technical works for the environmental management of the Agia Lake in the prefecture of Chania, Crete. K. Papamanolis
A10	Does short-term air pollution exposure effects on blood pressure and heart rate on healthy women in the city of Niš, Serbia? A. Stankovic, M. Nikolic	A20	Management strategy for fragile aquatic ecosystems and water resources: A "tool" for the reduction of manmade eco-environmental impact on the lakes, lagoons and marshes in Attica region. A. Mertzani, F. Marabini, M. G. Angeli, A. Mertzani, F. Pontoni, P. Gasparetto

**Afternoon session (17:00-19:00)**

A21	Toxicity assessment of fur-suede processing wastewater treated with different coagulants. G. Yildiz Töre, G. Kaykioglu	A30	Harbour divestiture in Canada: Passing the buck or passing the puck to new custodians T. Walker
A22	Evaluation of reuse of biologically treated denim washing and dyeing processing wastewater with nanofiltration membrane. G. Kaykioglu, R. Gürkan, G. Yildiz Töre	A31	Innovative materials as P-adsorption agents and their potential application in agriculture. M. Zamparas
A23	Removal of heavy metals in synthetic wastewater using banana peels: evaluation of the process. G. Vilaridi, I. Bavasso, L. Di Palma	A32	Assessment of CO <sub>2</sub> absorption in polypropylene membrane contactors M. Mavroudi, N. Moussiopoulou
A24	Synthesis of MnO <sub>2</sub> coated bentonite and its potential application on groundwater defluoridation. R. Mudzielwana, M. W. Gitari, T. Msagati	A33	Evaluation of rainfall time series by statistical methods. M. Zelenáková, I. Alkhalaf, P. Purcz, P. Blistan, M. M. Portela
A25	Assessment of effluents' quality from two wastewater treatment plants in N. Greece. D. Diamantidou, I. Gkoutzamani, M. Petala, A. Zafirakou	A34	Uranium levels in drinking tap and bottled waters in Cyprus. K. Philippou, I. Pashalidis

**C O N F E R E N C E P R O G R A M**  
**POSTER PRESENTATIONS**

**Monday, July 4**

**Afternoon session (17:00-19:00)**

A26	Inactivation of <i>Escherichia coli</i> in water by combined process of silver nanoparticle (AgNP) and UV radiation. <i>M.A. Zazouli, M. Yousefi, Y. Kor, M. Roohafzaee, F. Ghanbari</i>	A35	Water Footprint determination in quarry operations under subtropical climates in insular regions. <i>A. Zorpas, M. Goudouva</i>
A27	Robotic solutions for sewage systems in urban environments. <i>A. Grau, Y. Bolea, A. Sanfeliu, J. Casanovas, A. Puig-Pey</i>	A36	Switching control of chlorination process for Sant Joan Despí purification water plant. <i>Y. Bolea, A. Grau, J. Gamiz, H. Martinez, J. Gamiz</i>
A28	The business of “koprologoi”. <i>D. Koumparou, S.K. Goufinopoulos, S.A. Samios</i>	A37	Evaluation of surface water quality in Mykonos island, Greece. <i>G. Pavlidis, E. Ploumistou, H. Karasali, D. Alexakis, C. Anagnostopoulos, A. Charalampous, C. Emmanouil, V.A. Tsihrintzis, A. Kungolos</i>
A29	Cytotoxicity and genotoxicity of polystyrene nanoparticles in bovine oviductal epithelial cells (BOEC). <i>M.M. Pallotta, R. Ronca, I. Fiorentino, R. Talevi, R. Gualtieri, P.A. Netti, T. Capriglione</i>	A38	Agrochemical pollution control in combined tree-crop systems. <i>G. Pavlidis, D. Alexakis, H. Karasali, V.A. Tsihrintzis</i>

**Tuesday, July 5**

**Morning session (11:00-14:00)**

B01	Low-intensive environmental exposures as a stimulation of adaptive response in microorganisms. <i>N.S. Kudryasheva, A.S. Sachkova, T.V. Rozhko, V.A. Zakhvataev, R.G. Khlebopros</i>	B10	Sewage sludge toxicity: comparison of plants and soil invertebrates response <i>J. Žaltauskaitė, R. Vaisiūnaitė, G. Sujetovienė, R. Dagilūtė</i>
B02	Influence of newly synthesized Cu(II) complexes on the pyrazole based derivatives on inhibition of <i>Phomopsis viticola</i> (Sacc.) <i>Z. K Jacimović, A. Radović, M. Kosović, I. Bošković, N. Latinovic</i>	B11	Bioaccumulation of cobalt and nickel in macrophytes from Skadar Lake <i>V. Kastratović, M. R. Bigovic, Ž. Jacimović, M. Kosović, D. Đurović, S. Krivokapić</i>
B03	Acute and chronic effects of pulsed copper and phenol exposure to <i>Moina macrocopa</i> . <i>J. Xu, N. Jing, X. Du</i>	B12	Cumulative impacts from multiple human activities on <i>Posidonia oceanica</i> seabeds in eastern Mediterranean waters. <i>M.M. Brodersen, A. Kokkali, M. Pantazi, I. Maina, S. Kavadas, A. Ntogrammatzi, E. Kaberi, V. Vassilopoulou</i>

**C O N F E R E N C E P R O G R A M**  
**POSTER PRESENTATIONS**

**Tuesday, July 5**

**Morning session (11:00-14:00)**

B04	Experimental studies on the toxicity and geno-cytotoxicity effects of cadmium in embryos and larvae of rainbow trout, <i>Oncorhynchus mykiss</i> . N. Kazlauskienė, Ž. Cibulskaitė, M. Stankevičiūtė, J. Baršienė	B13	Invisible out-of-sight pollution: seabed marine litter in the Aegean Sea, Mediterranean. K.N. Papadopoulou, A. Anastasopoulou, Ch. Mytilineou, C.J. Smith, C. Stamouli
B05	Long-term toxicity and geno-cytotoxicity of quantum dots to rainbow trout <i>Oncorhynchus mykiss</i> embryos. Ž. Cibulskaitė, M. Stankevičiūtė, N. Kazlauskienė, J. Baršienė, R. Rotomskis, V. Kulvietis	B14	Assessment of the natural and anthropogenic sources of chemical elements around a Zn-Pb mine: Distribution of geochemical fractions. D.G. Megadouka, D. L. Bouranis, K. G. Serelis
B06	Ecotox-scores as a cost-effective and robust method to evaluate the environmental risk of PAHs polluted soils. C. Lors, D. Damidot, J.-F. Ponge	B15	Naturally occurring asbestos in the southern Apennines: quick Raman Spectroscopy identification as a tool of environmental control. M. C. Dichicco, A. De Bonis, G. Mongelli, G. Rizzo, R. Sinisi
B07	Polycyclic aromatic hydrocarbons (PAH) accumulation and histopathological alterations in <i>Lanistes carinatus</i> (Molluscs, Ampullariidae) in response to chronic exposure to crude oil. G.Y. Osman, M. Galal, A.S. Abul-Ezz, M.A. Abul-Elq, S. Amin, A. M. Hegazy	B16	Biosecurity risk assessment of ship discharged ballast water based on some underlying theories. I.K.E. Ekweozor, L.A. Kuroshi
B08	Ecotoxicological approach to evaluate the detoxification effect of a bioelectrochemical dechlorination treatment. M.T. Palumbo, M. Mingazzini	B17	Assessment of hydrocarbons and markers of crude oil for the identification of emission sources in the deep sediment of Pertusillo Lake (south of Italy). G. Anzilotta, T. Perri, E. Acito, V. Nola, E. Fortunato, D. Colucci, A. Palma, M. Paternoster
B09	Radioactive mine drainage and eco-toxicological risks in areas of old uranium mines. F. da Piedade Carvalho, J.M. Oliveira, M. Malta	B18	Distribution of enteric bacteria and detection of <i>Escherichia coli</i> with uidA gene in Kapıdağ Peninsula of Marmara Sea by means of GIS. N. Sivri, M.J. Allen, M. Jones, M. Balci, N. Balkis, D.Z. Şeker, C. Gazioglu

**Afternoon session (17:00- 19:00)**

B19	Sensitivity analysis on tracer transport properties in fractured porous media using COMSOL Multi-physics I. Bortone, E. Aristodemou, R. Bhamidimarri, D. Musmarra	B26	Uranium removal from aqueous solutions by <i>Luffa cylindrica</i> biochar fibres. I. Liatsou, G. Michael, I. Pashalidis
B20	Optimization of an analytical method for the determination of heavy metals in milk powder. C. Christophoridis, M. Evgenakis, K. Fytianos	B27	Potential application of municipal dry sludge for remediation of acidic and metalliferous mine effluents: Implication for mine backfilling. V. Masindi

**C O N F E R E N C E P R O G R A M**  
**P O S T E R P R E S E N T A T I O N S**

**Tuesday, July 5**

**Afternoon session (17:00-19:00)**

B21	Seabed marine litter off Corfu, North Ionian Sea. A.S. Somarakis, K.N. Papadopoulou, A. Anastasopoulou, M. Prevenios, H. Kaberi, C.J. Smith, A. Kapantagakis, Ch. Mytilineou, C. Zer	B28	Behavior and impact on the environment of fire retardants in cars. Athanasopoulou, V. Kollarou, G. Kollaros
B22	Offshore wind energy vs. nature conservation: the role of maritime spatial planning in striking the balance. A.M. Kitsou, V. Vassilopoulou	B29	Views, needs, attitudes, personal reflections on behavior and demographics of cyclists and affected residents in the city of Preveza, Greece. P. Karanikola, T. Panagopoulos, S. Tampakis, A. Kontou-Bouglali
B23	Experimental study on single and competitive adsorption of benzene and toluene from model groundwater. A. Erto, S. Chianese, D. Musmarra, A. Lancia	B30	Rural road construction and operation: impacts on cultivated land. G. Kollaros, A. Athanasopoulou, V. Kollarou
B24	Investigation of a common textile surfactant: biodegradability, toxicity and photochemical treatment. C. Turker, T. Olmez Hanci, M. Oguz Cabuk, F. Germirli Babuna	B31	Exploiting the tertiary (tourism) and primary (agriculture / livestock raising) sector as means of sustainable development in Mediterranean islands: the case of Skopelos. O. Christopoulou, S. Sakellariou, G. Stamoulis, F. Samara, S. Tampekis, O. Iakovidou, I. Sfougaris
B25	Energy efficiency assessment of gasification plant using hazardous/non-hazardous industrial wastewater treatment sludge. G. Yildiz Tore, Y. B. Kar	B32	Environmental impacts of a printed circuit board manufacturing process via streamline approach. E. Ozkan, N. Elginöz, F. Germirli Babuna

**Thursday, July 7**

**Morning session (11:00-14:00)**

C01	Minimization of reservoir dredged material using its addition in concrete. J. Junak, N. Junakova	C12	The evolution of thermal springs in Greece from prehistoric to modern times: "A journey through time". S. Chachami-Chalioti, A. Kungolos
C02	The contribution of the marine and coastal environment in the quality of resident's life in the city of Kavala. T. Panagopoulos, S. Tampakis, P. Karanikola, P. Ypsilopoulos	C13	The impact of early life outdoor experiences on children's environmental beliefs. E.-A. Panagopoulou, C. Panagopoulou, K. Mitsis
C03	Water resources use behind livestock and animal production with the water footprint approach. A. Dota, N. Theodossiou, V. Dotas	C14	The seven paths of translation evaluation: A control mechanism of bilingual scientific texts translations. S. Christidou, S. Kamaroudis

**C O N F E R E N C E P R O G R A M**  
**POSTER PRESENTATIONS**

**Thursday, July 7**

**Morning session (11:00-14:00)**

C04	Rainwater tanks reliability analysis in Cyclades islands. <i>E. Papagianni, P. Londra, A. Theocharis, E. Baltas, V. Tsihrintzis</i>	C15	The new role of a Library as the sustainable common space for a safe environment and regional community. <i>H.Y. Lim</i>
C05	Water resources management in Argolikos plain under changing conditions. <i>E. Baltas, G. Bariamis</i>	C16	Research on how buildings and covering materials affect microclimate conditions: Case study the center of Thessaloniki <i>A. Kantzioura, P. Kosmopoulos</i>
C06	Efficient municipal wastewater treatment by once-trough trickling filtration. <i>I. Chourdakis, H. Marakas, P. Gikas</i>	C17	Towards a zero energy demand building: recent data of the experimental prototype unit ZED-KIM. <i>P. Kosmopoulos, P. Touboulidis, A. Moutzakis, A. Kantzioura</i>
C07	Mechanism of Cr(VI) reduction by clay mineral. <i>K. Baek, S.-J. Kwak, J.-C. Yoo, G.-S. Yoon</i>	C18	Environmental research regarding comfort conditions and microclimate in urban open spaces. <i>P. Kosmopoulos, K. Michalopoulou</i>
C08	A social survey (2016) on how the economic crisis affects peoples' attitudes towards energy and environmental subjects. <i>P. Kosmopoulos, A. Kantzioura, I. Kosmopoulos, K. Kleskas, A.M. Kosmopoulos</i>	C19	Development of CST plants in Greece: An assessment of their feasibility. <i>V. N Drosou, P. I Kosmopoulos</i>
C09	Risk assessment of water supply for irrigation needs in the Konitsa Plain under changing environment. <i>V. Milioni, E. Feloni, K. Kotsifakis, E. Baltas</i>	C20	Measuring green-house gases emission from soil in different ecosystems: a methodological description. <i>A. Lagomarsino, Al. E. Agnelli, G. Mazza</i>
C10	Migration of Cu, Mn, Fe and Zn at high soil depths due to the disposal of Olive Mill Waste. <i>M.K. Doula, K. Komnitsas, A. Zorpas, V. Kavvadias, D. Zaharaki</i>	C21	QGIS plugin development for automating a pressures-impacts analysis method, in the context of the European Water Framework Directive 2000/60. <i>E. Kouriti, Z. Mallios, N. Theodossiou</i>
C11	Climate data processing, assessment and corrective methods. <i>S. Sotiriadou, Z. Mallios</i>	C22	Long-term response of salmonid populations to habitat restoration in a boreal forest stream. <i>M. van Zyll de Jong, I. G. Cowx</i>

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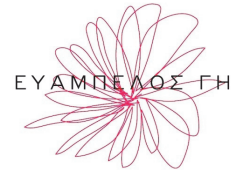
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