



**2nd International Conference on Environmental
Management, Engineering, Planning and Economics (CEMEPE)
and SECOTOX Conference**

PROGRAMME

Organized by:

Department of Planning and Regional Development, School of Engineering
University of Thessaly, Greece

and

Sector of Industrial Management and Operations Research, School of Mechanical
Engineering, National Technical University of Athens, Greece

In collaboration with:

Department of Mechanical Engineering, Aristotle University of Thessaloniki,

Department of Pollution Control Technologies, Technological Educational
Institute of West Macedonia,

Technical Chamber of Greece (TCG),

International Society of Ecotoxicology and Environmental Safety (SECOTOX)

Under the aegis of:

Hellenic Ministry for Environment, Physical Planning and Public Works &
Municipality of Mykonos

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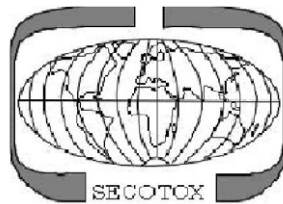
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SUNDAY, JUNE 21

16:00-21:00 Registration

19:00-19:30 CEMEPE/SECOTOX Conference opening session

Opening remarks by:

- Mykonos mayor, **Athanassios Kousathanas – Megas**
- The general secretary of the Hellenic Ministry for the Environment, Physical Planning and Public Works, Associate Professor **Evangelos Baltas**
- The secretary of SECOTOX, Professor **Karl-Werner Schramm**
- Other officials

19:30-21:00 Invited lectures

- Professor Emeritus **George Tchobanoglous**
Department of Civil and Environmental Engineering, University of California at Davis
“Sustainable solid waste management in the 21st century: Trends, needs, challenges and opportunities”
- Distinguished Professor of Theoretical Physics **Dimitri Nanopoulos**
Texas A&M University, Center for Theoretical Physics College Station, Texas, USA
“How “green” is the Universe? Large Hadron Collider (LHC), the biggest experiment ever”

21:30 *Welcoming reception buffet at the Royal Myconian Hotel*

ORAL PRESENTATIONS

MONDAY, JUNE 22	ROOM A	ROOM B	ROOM C
Royal Myconian Hotel	<p>ECOTOXICOLOGY (Organized jointly with SECOTOX)</p> <p>Session I CHAIRS: J. Iliopoulou – Georgoudaki and S. Galassi</p> <p><i>Keynote speaker: A. Gies (invited by SECOTOX)</i> A frozen treasure: the environmental specimen bank <u>A. Gies, J. Koschorreck and M. Kolossa</u></p> <p>Ecotoxicity of sea bream (<i>Sparus aurata</i> L. 1758) and sea bass (<i>Dicentrarchus labrax</i> L. 1758) aquaculture spills located in Cádiz Bay (SW of Spain) <u>C.B. Carbalreira, L. Martín-Díaz and T.A. DelValls</u></p> <p>Ecological and sanitary risk associated with organochlorine compound bioaccumulation in populations of <i>Anguilla anguilla</i> from Mediterranean coastal waters <u>S. Quadroni, S. Galassi, R. Bettinetti, F. Capoccioni, E. Ciccotti and G.A. De Leo</u></p> <p>Differential response of mussel (<i>Mytilus galloprovincialis</i> L.) tissue DNA against Thiram <u>C. Emmanouil, K. Kasiotis and K. Machera</u></p> <p>Protection against Mg²⁺, Cu²⁺ and Zn²⁺ toxicity through siderophore in <i>Frankia</i> strains nodulating <i>Hippophae salicifolia</i> D. Don <u>A. Singh, S.S. Singh, P.C. Pandey and A.K. Mishra</u></p> <p>Toxicity and QSARs of Propargylic Alcohols on green alga - <i>Pseudokirchneriella subcapitata</i> <u>C.Y. Chen, K.L. Kuo, and J.W. Fan</u></p>	<p>AIR QUALITY</p> <p>Session I CHAIRS: P. Kassomenos and C. Fanizza</p> <p>Mapping air pollution: the city of Thessaloniki - Greece case study <u>M. Lazoglou, N. Karanikolas and D. Vagiona</u></p> <p>Deep investigation of Ultrafine Particles in urban air <u>P. Avino, S. Casciardi, C. Fanizza and M. Manigrasso</u></p> <p>Air pollution in residential areas from wood-fired heatings <u>M.A. Bari, G. Baumbach, G. Scheffknecht and B. Kuch</u></p> <p>The prediction of toxic fugitive dust dispersion during soil remediation construction works using FDM model. <u>L. Panagopoulos, A. Karayannis, P. Kassomenos, G. Gouvalias and E. Gaki</u></p> <p>PM1.0 levels in the vicinity of residential street under various traffic density conditions <u>Z.B. Klaić, M. Stojnić, K. Ružman and I. Smiljanić</u></p>	<p>ENVIRONMENTAL ECONOMICS</p> <p>Session I CHAIRS: I.P. Tatsopoulos and K. Hadjibiros</p> <p>Environmental cost accounting as a strategy tool within the Greek organizations <u>K.G. Pappaspyropoulos, V. Blioumis and A.S. Christodoulou</u></p> <p>Estimating and forecasting on the production values of recycling waste containers in Taiwan <u>E. Hsu and C.-M. Kuo</u></p> <p>Impact assessment of greenhouse gas trading on electricity production industry <u>A.I. Tolis, A.A. Rentizelas, I.P. Tatsopoulos, K.T. Avraam, N.S. Varoisis and E.P. Kapetanakis</u></p> <p>Democracy, power distribution, and forest conservation. A microeconomic analysis <u>J. Soltanzadeh and O. Khodaveyrdi</u></p> <p>The waste water treatment as a viable and dynamic <u>P. Panagiotakopoulos and T. Yiannakopoulou</u></p>

MONDAY, JUNE 22	ROOM A	ROOM B	ROOM C
10:45-11:00		Chemical analysis of a large series of PAHs and POPs in airborne and sediment samples and their contribution to genotoxic, tumor-promoting and endocrine-disrupting effects <i>M. Machala, M. Ciganek, J. Neca, K. Pencikova, L. Vykopalova, S. Marvanova, P. Kremer, Z. Andrysik, A. Kocan, U. Lübecke-von Varel, W. Brack, J. Topinka and J. Vondracek</i>	The role of the consulting practice in CSR proliferation during the economic downturn <i>N. Panayiotou, K. Aravossis and K. Saridakis</i>
11:00-11:15			Assessing the impacts of environmental policy instruments on sustainable irrigated agriculture <i>D. Latinopoulos and D. Pagidis</i>
11:15-11:30	COFFEE BREAK		
	ECOTOXICOLOGY (Organized jointly with SECOTOX) Session II CHAIRS: C. Emmanouil and K.-W. Schramm	AIR QUALITY Session II CHAIRS: K. Eleftheriadis and K. Nikolaou	SUSTAINABLE DEVELOPMENT AND PLANNING Session I CHAIRS: C. Laspidou and A. Gospodini
Royal Myconian Hotel			
11:30-11:45	Genotoxicity studies of photolytically treated 2-chloropyridine aqueous solutions <i>I.T. Theodoridis, C.G. Skoutelis, D.R. Stapleton, D. Vlastos and M.I. Papadaki</i>	Indoor and outdoor particle number and mass concentrations in three houses in Athens. Sources, sinks and variability of aerosol parameters <i>K. Eleftheriadis, A.A. Karanasiou, S. Vratolis and M. Lazaridis</i>	Estimation of the natural resources' value by the use of the contingent valuation method: the case of a Greek peri-urban forest <i>O. Christopoulou, M.N. Duquenne, Ch. Siomouli and K. Kaisari</i>
11:45-12:00	Metal bound to sediments bioavailability and sediment toxicity assessment using <i>Arenicola marina</i> in a field survey <i>J. Ramos-Gómez, M.L. Martín-Díaz and T.A. DelValls</i>	Exposure to PM 10, PM 2.5, PM 1 and carbon monoxide on roads in Lahore, Pakistan <i>I. Colbeck, Z.A. Nasir, S. Ahmad and Z. Ali</i>	Organization and evaluation of a sustainable islands network <i>K. Hadjibiros, M. Aravantinou and C. Laspidou</i>
12:00-12:15	Acetylcholinesterase in <i>Anisakis simplex</i> larvae - a parasitic nematode of Baltic herring, <i>Clupea harengus</i> . Implications of pesticide resistance <i>M. Podolska, D. Napierska, E. Mulkiewicz, A. Was and E. Gosz</i>	Intra-hourly variations of CO concentrations in Thessaloniki during the rush hours <i>P. Kassomenos, A. Kelessis, M. Petrakakis, N. Zoumaki and A. Mavrommati</i>	A comparative study on Material Flow (MF) and Land Use (LU) in cities without increase in population <i>C. Deilmann</i>

MONDAY, JUNE 22	ROOM A	ROOM B	ROOM C
12:15-12:30	Optimization of ultrasonic assisted acid extraction of mercury in muscle tissues of fishes using multivariate strategy <i>A.O. Shah, T.G. Kazi, M.B. Arain, J.A. Baig, H.I. Afridi, M.K. Jamali, N. Jalbani and G.A. Kandhro</i>	Atmospheric boundary layer characteristics during high ozone concentrations in the Rjeka Bay area <i>M.T. Prtenjak, A. Jeričević, T. Nitiš, A. Alebić-Juretić and Z.B. Klaić</i>	Strategic Environmental Assessment (SEA) in Spatial Planning. The response of Greece <i>E. Antoniou</i>
12:30-12:45	Short-term toxicity of industrial chemicals on biological sentinels in water and sediment <i>D.F. Ogeleka, L.I.N. Ezemonye and F.E. Okieimen</i>	Seasonal characteristics of particulate matter and metallic elements in a residential area in Ulsan, Korea <i>N.T. Hieu and B.-K. Lee</i>	Development and application of environmental management systems in ports <i>G. Palantzas</i>
12:45-13:00	Evaluation of Microbial Assay for Risk Assessment (MARA) to Assess the Toxicity of Chemicals in the Environment <i>K. Wadhia and T. Dando</i>	Mitigation of and adaptation to climate change on local level related to sustainability <i>M. Csete</i>	The Diachronic consequences in the area according to the climate and the vegetation: The location of settlements of mountain Pelion in Magnesia, Greece <i>E. Koutsieris</i>
13:00-13:15	Comparative ecological quality assessment of olive oil mill effluents from three-phase and two-phase systems, treated for hydrogen production <i>A. Rouvalis and J. Iliopoulou – Georgudaki</i>	Comparison between MM5-CMAQ and WRF/CHEM PM10 and PM2.5 concentrations for an episode in Germany during Winter, 2003 <i>J.L. Pérez, R. San José, J.L. Morant and R.M. González</i>	Challenges of green management in Iran <i>M. Abbaspour and S. Khadivi</i>
13:15-13:30	Effects of multiple stressors exposures on plant populations <i>S.A. Geraskin, J.S. Vanina, E.M. Mozolin, A.A. Oudalova, N.S. Dikareva, E.V. Chernonog, V.G. Dikarev and T.A. Novikova</i>	Influence of temporal variation of traffic volume and composition on air quality in urban areas <i>K. Nikolaou and S. Basbas</i>	Geomorphologic and hydrologic analysis of Torrent Imvrassos in Samos Island, using GIS. Assessment of flooding hazard <i>P. Mourtzios, Ar. Psilovikos and T. Astaras</i>
13:30-13:45			New technologies opposing urban sustainability <i>A. Gospodini</i>
13:45-15:30	LUNCH BREAK		

MONDAY, JUNE 22	ROOM A	ROOM B	ROOM C
Royal Myconian Hotel	INDUSTRIAL WASTE Session I CHAIRS: C. Sikalidis and A. Coz	WATER POLLUTION Session I CHAIRS: O.S. Okay and D.V. Vayenas	ENERGY AND ENVIRONMENT Session I CHAIRS: E. Kakaras and T. Manios
15:30-15:45	Ecological risk assessment of cheese whey effluents along a medium-sized river in southwest Greece <u>C. Karadima, C. Theodoropoulos, A. Rouvalis and J. Iliopoulou-Georgiadaki</u>	An analytical method for determination of haloacetamides in chlorinated water <u>S. Samios, E. Lytras, A. Nikolaou, S. Goufopoulos and T. Lekkas</u>	The corporate strategic imperative for GHG management and RES technologies <u>D. Manolopoulos, M. Chasiotis, K. Kitsopoulos, M. Koulidakou and M. Sarantos</u>
15:45-16:00	Valorization of Automobile Shredder Residue (ASR) in Italy <u>B. Ruffino, S. Fiore and M.C. Zanetti</u>	Evaluation of the trophic state of Ziros lake, NW Greece <u>I. Kagalou and E. Chyti</u>	Enhanced biogas production of primary sludge co-digested with crude glycerol <u>M. Fountoulakis, M. Sfendouraki, S. Terzakis and T. Manios</u>
16:00-16:15	Biotreatment of oil refinery sludge <u>A. Mountouris, D. Leventos, D. Papadimos, Ch. Antotios, St. Papadopoulos, Ch. Vatsieris, H. Wallner, A. Kiroplastis and N. Karnavas</u>	Biological potable water treatment <u>A.G. Tekerlekopoulou and D.V. Vayenas</u>	Plasma aided coal combustion for effective and environmentally friendly fuel utilization <u>E. Karpenko, V. Messerle, P. Rakin and A. Ustimenko</u>
16:15-16:30	Characterisation and leaching behaviour of olive mill waste in order to obtain the best management options <u>A. Coz, A. Andrés, R. Alonso-Santurde, J.R. Figuri, D. Mantzavinos and N. Xekoukoulotakis</u>	Monitoring of Carbaryl in water samples with SPE- HPLC method including an uncertainty estimation of the analytical results <u>A. Ghorbani, A. Roozbahani and F. Tadayon</u>	Diesel fuels from renewable sources <u>M. Slezackova and D. Bratsky</u>
16:30-16:45	Investigation of Cr(VI) reductive treatment effectiveness in Chromite Ore Processing Residue using micro-XANES, -XRF and -XRD <u>M. Chrysochoou, D. Dermatas, S. Fakra and M.A. Marcus</u>	Performance of floating vegetated systems for in-stream water treatment in North-Eastern Italy <u>M. Borin, D. Tocchetto, M. Salvato and G. De Stefani</u>	Environmental tools in building construction industry – A state of the art review for LCA applications in building sector <u>E. Giama, D. Anastaselos and A.M. Papadopoulos</u>
16:45-17:00	Characterization of particulate matter emitted due to production processes of sanitary wares and tiles in ceramic factories <u>C. Sikalidis, R. Tzimou-Tsitouridou, M. Mitrakas, G. Stergioudis and A.Hatzopoulou</u>	Composition and distribution of organochlorine pollutants in the sediments and mussels from the Istanbul Strait (Turkey) <u>O.S. Okay, B.Karack, Serden Başak, B. Henkelmann, S. Bernhöft and K-W. Schramm</u>	Utilization of Solid Recovered Fuels (SRF) for energy production <u>M. Agrantiotis, P. Grammelis and E. Kakaras</u>
17:00-17:30	COFFEE BREAK		

MONDAY, JUNE 22	ROOM A	ROOM B	ROOM C
Royal Myconian Hotel	SUSTAINABLE WASTE MONITORING AND MANAGEMENT Session I CHAIRS: N.J. Themelis and S. Kalogirou <i>Keynote speaker: A.G. Andreopoulos</i> Recycling of engineering plastics deriving from waste electrical and electronic equipment (EEE) <i>P.A. Tarantili and A.G. Andreopoulos</i>	WATER POLLUTION Session II CHAIRS: Ar. Psilovikos and G. Gaidajis	ENERGY AND ENVIRONMENT Session II CHAIRS: A.M. Papadopoulos and P. Englezos
17:30-18:00	Extraction of coal residues from hard coal mining waste dumps as a chance of minimization of their adverse environmental impact <i>S. Stefaniak and I. Twardowska</i>	Assessment of water quality monitoring data in lake Kastoria, Western Macedonia, Greece <i>N. Matzafleri, S. Margoni and Ar. Psilovikos</i>	Optimum Sizing of a PV-Battery-Diesel Hybrid System for Remote Consumers <i>J.K. Kaldellis, D. Zaftrakis, E. Kondili and K. Kavadias</i>
18:00-18:15	Environmental management of fly ash produced from the incineration of municipal waste with energy recovery <i>C. Vavva, E. Youtsas, P. Samaras and D. Tassios</i>	The impact of mining activities in the quality of coastal sea waters <i>G. Gaidajis and D. Aktsoylou</i>	Environmental assessment tool for building's materials and components: Applications to insulation <i>D. Anastaselos, E. Giama and A.M. Papadopoulos</i>
18:15-18:30	Comparative assessment of collection and transfer schemes of municipal wastes for supplying a new waste-to-energy facility <i>A. Karagiannidis, G. Perkoulidis, A. Papageorgiou and S. Kalogirou</i>	Potable water denitrification <i>K.A. Karanasios, M.K. Michailidis, I.A. Vasiliadou, S. Pavlou and D.V. Vayenas</i>	From the old archimedean screw pumps to the new archimedean screw turbines for hydropower production in Greece <i>A.V. Stergiopoulou and V.G. Stergiopoulos</i>
18:30-18:45	Energy and Materials Recovery from the Municipal Solid Wastes of the Island of Rhodes <i>N.J. Themelis, A. Bourka and G. Ypsilantis</i>	Advances in coagulation/flocculation field: Al- and Fe-based composite coagulation reagents <i>P.A. Moutssas, N.D. Tzoupanos and A.I. Zouboulis</i>	Environmental compatibility of energy production from biomass at global, regional and local scale <i>E. Brizio, G. Genon and R. Durante</i>
18:45-19:00	Evaluation of sewage sludge production patterns in Greece in the frame of integrated material and energy recovery <i>A. Karagiannidis, T. Kasampalis, P. Samaras, G. Perkoulidis and P. Ziogas</i>	Formation of THMs during typical dissolved organic nitrogen alanine chlorination in drinking water <i>W.H. Chu, N.Y. Gao and S.S. Hu</i>	Plasma gasification for waste treatment and energy production <i>E. Youtsas, A. Mountouris, M. Politi, A. Karagiannidis and D. Tassios</i>
19:00-19:15	Potential for energy generation in Greece by combustion of as-received or pre-processed (RDF/SRF) municipal solid wastes <i>C.S. Psomopoulos and N.J. Themelis</i>	Groundwater quality and sampling location comparison of assessments in Thessaly region and the application of the Multivariate Statistical Interpretation in Magnesia, Greece <i>E. Koutsieris, A. Papaioannou and A. Filintias</i>	
19:15-19:30			Energy research, environment, applications and sustainable development <i>A.M. Omer</i>

MONDAY, JUNE 22	ROOM A	ROOM B	ROOM C
19:30-19:45		<p>Assessment of wastewater effluent quality in Thessaly region, Greece <i>S. Bakopoulou, S. Legos, V. Tsiridis, C. Emmanouil and A. Kungolos</i></p> <p>Estimation of measurement uncertainty for the determination of some trace element in natural water samples by SPE-ICP-OES <i>A. Ghorbani, M. Rabbani, M. Mahmoodi Farahani, S. Waqif Hosain and M. Saber Tehrani</i></p> <p>Characteristics of intracellular and extracellular organic components of the Microcystic aeruginosa and theirs chlorination byproducts formation potential <i>L. Li, N.Y. Gao, K.J. Zhang and H.S. Ou</i></p>	<p>Bio-alcohols based fuels for spark ignition engines <i>D. Bratsky and M. Slezackova</i></p> <p>Energy efficient process for xylene isomer separation: The use of nanocomposite MFI-ceramic hollow fibres <i>M.O. Daramola, A.J. Burger, A. Giroir-Fendler and S. Miachon</i></p> <p>Capture of carbon dioxide from IGCC power plant through clathrate hydrate crystallization <i>R. Kumar, P. Linga, J. A. Ripmeester and P. Englezos</i></p>
19:45-20:00			
20:00-20:15			

TUESDAY, JUNE 23	ROOM A	ROOM B	ROOM C
Royal Myconian Hotel	ENVIRONMENTAL IMPACT ASSESSMENT AND RISK ANALYSIS Session I CHAIRS: K. Aravossis and D.S. Achilias	FATE AND TRANSPORT OF POLLUTANTS Session I CHAIRS: N.G. Tsiropoulos and P. Avino	ENVIRONMENTAL RESTORATION Session I CHAIRS: M. Kuraš and P. Samaras
09:00-09:30	<i>Keynote speaker: N.C. Markatos</i> Computational fluid mechanics in environmental engineering and risk analysis	Peroxyacetyl Nitrate (PAN) in urban atmosphere: levels and behavior <i>P. Avino and M.V. Russo</i>	A combined landfarming-phytoremediation system for remediation of petroleum hydrocarbons and metals from contaminated soils <i>A.A. Besalatpour, M.A. Hajabbasi, V. Dorostkar and G. Torabi</i>
09:30-09:45	A CFD simulation study of VOC and formaldehyde indoor air pollution dispersion in an apartment as part of an indoor pollution management plan <i>I. Panagopoulos, A. Karayannis, P. Kassomenos and K. Aravossis</i>	Monitoring of drinking water quality in the region of Kozani, Greece <i>A. Sfikas, S. Christidis and S. Zoras</i>	Treatment of ammonia-polluted groundwater in North Bohemian brown coal mining region <i>M. Kubal, K. Ciahotný, M. Podhola, P. Beneš and M. Kuraš</i>
09:45-10:00	Green vs. standard roofs: a case study from Athens, Greece <i>K. Abeliotis, A. Foutri and K. Lasaridi</i>	Lead fractionation in soil as affected by organic and inorganic amendments <i>A.H. Baghaie, A.H. Khoshgofarmanesh and M. Afyuni</i>	Tracing sediment sources in Amrovan Drainage basin, Iran <i>S. Feiznia, A. Kouhpeima, H. Ahmadi and S.A. Hashemi</i>
10:00-10:15	Reconsidering uncertainty for air-pollution and health information systems <i>P. Kassomenos, A.N. Skouloudis and T. Niits</i>	Investigation on the behavior of pesticides in atmosphere <i>P. Avino, G. Cinelli, I. Notardonato and M.V. Russo</i>	Restoring soil fertility through the use of alternative organic and natural inputs <i>J. Abrigana, R. Bajenting and N. Montederamos</i>
10:15-10:30	A methodology reevaluating environmental impact assessment studies on dams. The case study of Ladonas River, Peloponnese, Greece <i>T. Mimides, K. Pylarinou and H. Lazana</i>	The degradation of Terbutylazine and Chlorpyrifos in various biomix substrates based on composted cotton crop residues <i>K. Kravvariti, N.G. Tsiropoulos and D.G. Karpouzas</i>	Bioremediation of petroleum-contaminated soil using landfarming technique: Influence on soil biological and chemical properties <i>A.A. Besalatpour, M.A. Hajabbasi, A.H. Khoshgofarmanesh and V. Dorostkar</i>
10:30-10:45	Development of an Environmental Management System according to EMAS in a Very Large Industrial Installation: Case Study <i>P. Antonakopoulos, I. Dermizakis, S. Lattas and A. Thanos</i>	Occurrence of pharmaceuticals of different therapeutic classes in surface waters <i>Ch.I. Kosma, D.A. Lambropoulou and T.A. Albanis</i>	Land degradation due to diapers in Iran, case study: Hableh-Rood Drainage Basin, East of Tehran <i>K. Zakikhani and S. Feiznia</i>
10:45-11:00	Fuzzy decision support system for assessing nitrogen fertilization in agricultural land <i>A. Papadopoulos and D. Kalivas</i>		
11:00-11:30	COFFEE BREAK		

TUESDAY, JUNE 23	ROOM A	ROOM B	ROOM C
<p>Royal Myconian Hotel</p>	<p>ENVIRONMENTAL IMPACT ASSESSMENT AND RISK ANALYSIS Session II CHAIRS: K. Wadhia and A. Gil Sustainable mobility and transport modeling: the case of the city of Giannitsa <i>S. Basbas and E. Minitsis</i> Evaluation of cytotoxic effects induced on human bronchial cells by exposure to Multi-walled Carbon Nanotubes <i>C. Fanizza, E. Paba, A.M. Marcelloni, A.M. Fresegna, S. Pasquali, S. Iavicoli and D. Cavallo</i> Life Cycle costing of a new transportation pavement constructed in the Paphos District area in Cyprus as a pilot study of the ‘ECOLANES’ project <i>D.G. Hadjimitsis, K. Themistocleous and C. Achilleos</i></p>	<p>NUMERICAL MODELING Session I CHAIRS: M. Pitsiava and I.P. Tatsiopoulou Modeling Nestos River plume dynamics – Validation with field observations <i>N. Kamidis, G. Sylaios and V.A. Tsihrintzis</i> Interdisciplinary Modeling Support to the Comprehensive Everglades Restoration Project (CERP) <i>V.H. Kourafalou</i> Using topography and vegetation attributes for estimation of saturated hydraulic conductivity in semiarid rangelands of Iran <i>B. Khalilmoghadam, M. Afyuni, K.C. Abbaspour, A. Jalalian and R. Schulin</i> Environmentally focused production and distribution supply chain network structures <i>P. Tsiaklis, V. Manakou and T. Tsiaklis</i> RessourcenManager: A material flow model for recycling and waste management <i>S. Wolff, H. Albers, M. Wittmaier, S. Langer, H. Lambrecht and T. Brinkmann</i></p>	<p>WATER RESOURCES ENGINEERING AND MANAGEMENT Session I CHAIRS: V. Kanakoudis and S. Karmakar Environmental management of severe riverine floods: The case of Evros Prefecture in Greece <i>Z. Nivolianitou and B. Synodinou</i> The role of reclaimed water in sustainable water resources management in the Aegean islands <i>P. Gikas and G. Tchobanoglous</i> Public vs. Private Water Utilities: PBSCs and PPPs used for financial sustainability <i>V. Kanakoudis and S. Tsitsifli</i> Applying the virtual water concept at regional level- the cases of Xanthi and Rodope <i>N. Kotsovinos, M. Gratziou and M. Tsalkatidou</i> Total water management approach in steel industry <i>V. Tryfona-Panagopoulou, S. Panagopoulou, V. Diamanti, G. Lazopoulos, P. Xenou, C. Panagopoulou and A. Kungolos</i> Designing and evaluation automatic control system for operational water management of Dez Main Canal <i>S. Isapoor, P.J. van Overloop, A. Montazar and M. Banihabib</i> Water resources management in Greece under the effects of the climate change <i>I. Vasvatekis</i></p>
<p>11:30-11:45</p>			
<p>11:45-12:00</p>			
<p>12:00-12:15</p>			
<p>12:15-12:30</p>	<p>Technological and environmental impacts evaluation of anthracite on power production in Greece <i>D. Zacharias, E. Kondili and J.K. Kaldellis</i></p>		
<p>12:30-12:45</p>	<p>Environmental aspects of the fly ash deposition site: A case study of the thermal power plant “Nikola Tesla-B” in Serbia <i>M. Ivetić, N. Jaćimović, D. Dražović and N. Kostović</i></p>		
<p>12:45-13:00</p>	<p>Desorption of exogenous contaminants before determination of endogenous trace elements in human hair by flam and electrothermal atomic absorption spectrometry <i>M. Saber-Tehrani, F. Tadayon and A. Ghorbani</i></p>	<p>Road traffic noise level prediction in the city of Thessaloniki: a comparison between the French and British method <i>M. Pitsiava, F. Kehagia and Ch. Vizmpa</i></p>	
<p>13:00-13:15</p>	<p>Fumarolic alteration products at Sousaki (Greece): occurrence and environmental impact <i>W. D’Alessandro, S. Rotolo, K. Kyriakopoulos, S. Bellomo, L. Brusca, S. Calabrese, M. Liotta, C. Bruno and F. Plicanti</i></p>	<p>Smart structure monitoring using robust control <i>A. Moutsopoulou, A. Pouliezos and G.E. Stavroulakis</i></p>	

TUESDAY, JUNE 23	ROOM A	ROOM B	ROOM C
13:15-13:30			Uncertainty analysis of a municipal water distribution system <i>N. S. Tyagi and S. Karmakar</i>
13:30-15:30	LUNCH BREAK		
RoyalMyconian Hotel	HAZARDOUS WASTE MANAGEMENT Session I CHAIRS: A. Karagiannidis and B. Bilitewski <i>Invited speaker: B. Bilitewski</i> A new Threat from Consumer Goods coming from Closing the Loop in a global Scale FeIII-TAML-Catalyzed Oxidative Destruction of Textile Dyes and Chlorinated Phenols <i>K.-W. Schramm, N. Chahbane and T. Collins</i>	NUMERICAL MODELING Session II CHAIRS: P. Gikas and B. Khalilmoghdam Simulation modeling of the fate of nitrogen in the constructed wetland of Carla in Greece <i>C. Laspidou, I. Kakoulidis and A. Loukas</i> Flow and ventilation within a hypothetical tunnel during different fire scenarios using CFD techniques <i>I. Ossanlis, Ph. Barmpas and N. Moussiopoulou</i> Estimation of surface shear strength in semi-arid rangelands of Iran <i>B. Khalilmoghdam, M. Afyuni, K.C. Abbaspour, A. Jatalian, A.A. Dehghani and R. Schulin</i>	ENVIRONMENTAL ECONOMICS Session II CHAIRS: F. Becchis and D. Damigos Willingness to pay for financing electronic waste recycling in Greece <i>D. Damigos</i> Environmentally benign and cost optimal phosphoric acid production through a systematic process design framework <i>A.I. Papadopoulos and P. Seferlis</i> A Fuzzy Multicriteria Mathematical Programming model for planning irrigated agricultural regions <i>B. Manos, T. Bournaris, J. Papathanasiou and C. Moutlogianni</i>
15:30-15:45	Combined chemical-toxicological expertise of former facilities for production of highly toxic chemicals <i>E. Savelieva, O. Orlova, N. Koryagina, S. Nagorny, N. Goncharov, E. Ermolaeva, A. Radilov, N. Khlebnikova and L. Gustyeva</i>	An integrated modeling procedure for thermal discharges into coastal waters <i>A. I. Stamou, Eis. Douka, I. Nikiforakis, P. Dimitriadis, G. H. Jirka and T. Bleninger</i>	The Greek reality of the Photovoltaic market: Future trends and incentives in energy development <i>E. Magerakis, P. Beretoulis, S. Karabagias and N. Gavrilakis</i>
15:45-16:00	Environmental impacts of unmanaged solid waste at a former base metal mining and ore processing site (Kirki, Greece) <i>A. Liakopoulos, B. Lemiere, I. Drougas, C. Crouzet, V. Laperche, C. Michaels, A. Lassin and I. Romaidis</i>	Optimisation of water resources management for insular and geographically isolated areas <i>P. Gikas, S. Liu and L. G. Papageorgiou</i>	Tariffs and networks regulation in district heating: an introduction <i>F. Becchis, G. Genon, D. Russolillo and E. Brizio</i>
16:00-16:15	Leaching of Pb and W from a firing range soil treated with Type I/II Portland cement, silica fume cement and cement kiln dust <i>D.G. Grubb, T. Reilly, D.H. Moon and D. Dermatas</i>	Regional climate-air quality simulations over Europe: Future climate and sensitivity analysis <i>D. Melas, E. Katragkou, P. Zanis and I. Tegoulas</i>	Production economics of organic agriculture: the case of vines and olives in the district of Cyprus <i>G. Papadavid and D. Hadjimitsis</i>
16:15-16:30			
16:30-16:45			
16:45-17:00			

TUESDAY, JUNE 23	ROOM A	ROOM B	ROOM C
17:00-17:15			Possibilities of production and use of wood pellets in Greece from an economic and market aspect <i>M. Trigkas, A. Sideras, G. Ntalos and I. Papadopoulos</i>
17:15-17:30	COFFEE BREAK		

Royal Myconian Hotel	INDUSTRIAL WASTE	WATER POLLUTION	ENVIRONMENTAL LEGISLATION AND POLICY
17:30-17:45	<p>Session II CHAIRS: E. Gidarakos and M. Sakellariou-Makrantonaki</p> <p>Submersible Sewage pumps' recycling possibilities during the refurbishing or upgrade of wastewater management facilities <i>C.S. Psomopoulos, G.C. Ioannidis, S. Apostolatos and A. Madias</i></p>	<p>Session III CHAIRS: T. Albanis and S. K. A. Solmaz</p> <p>Treatability studies for an organized industrial district (OID) effluent in Bursa, Turkey for agricultural irrigation purposes <i>S. K. A. Solmaz, G. E. Üstün and F. Çiner</i></p>	<p>Session I CHAIRS: P. Papaioanou and N. Kyriazis</p> <p>Hunting engagement and attitude to hunting management strategies <i>N.D. Hasanagas, P. Birtsas, C. Sokos and K.G. Paspaspyropoulos</i></p>
17:45-18:00	<p>Influence of process and operational factors on the process performance of a Compartmentalized Activated Sludge System (CASS) treating a synthetic dairy wastewater <i>A.A.L. Ziantizadeh F. Bashiri and H. Bonakdari</i></p>	<p>Electrochemical removal of nitrate from wastewaters on a zinc cathode <i>M. Dortsiou, I. Katsounaros, C. Polatides and G. Kyriacou</i></p>	<p>Bathing water profile as an European Union legislation within Bathing Water Directive (2006/7/EC) <i>A. Torok</i></p>
18:00-18:15	<p>Process design and economic evaluation for the recycling of exhaust sands from a magnesium foundry plant <i>B. Ruffino and M.C. Zanetti</i></p>	<p>Global microbiological quality criteria for treated wastewater reuse in agricultural irrigation <i>A. Tassoula</i></p>	<p>Early warning environmental information for the atmospheric environment: The AIRTHESS system <i>K. Karatzas and K. Nikolaou</i></p>
18:15-18:30	<p>Environmental impacts of released polybrominated diphenyl ethers <i>E. Gidarakos and V. Kollarou</i></p>	<p>Quality of Mykonos water resources – A preliminary assessment <i>N. Skoulikidis and E. Dimitriou</i></p>	<p>A critical review of current EU and Greek legislation on pedestrian rights and walking environment <i>P. Papaioannou, S. Basbas, C. Konstantinidou and I. Politis</i></p>
18:30-18:45	<p>Enhancement of an effluent treatment facility for treatment of terephthalic acid wastewater <i>M. Karthik and T. Nandy</i></p>	<p>Pesticide concentration levels and ecological risk assessment in natural surface waters and sediments (rivers, lakes, estuaries and lagoons) of Greece <i>T. Albanis, I. Konstantinou, D. Lambropoulou and D. Hela</i></p>	<p>Chemical waste processing facility and landfill in Şabac: Legislative barriers and absence of the local public participation <i>M. Pucar and M. Nenkovic-Riznic</i></p>

TUESDAY, JUNE 23	ROOM A	ROOM B	ROOM C
18:45-19:00	<p>Recycling potential for the low voltage high breaking capacity fuse links used by P.P.C. of Greece <i>C.S. Psomopoulos, Y. Karras, P. Karagiannopoulos, C. Karras and D. Diamadopoulos</i></p>	<p>Land degradation of Taleghan drainage basin, Iran from saline and alkaline marl formations <i>K. Zakikhani, S. Feiznia and S. H. Hoseini</i></p> <p>Determination of organophosphorus flame retardants and plasticizers in surface waters by liquid chromatography - tandem mass spectrometry <i>L. Callipo, C. Cavaliere, E. Corradini, R. Gubbiotti, R. Samperi and A. Lagandà</i></p>	<p>Corporate social responsibility: A comparative analysis among Demark, Hungary and Greece <i>M. Tsavdaridou and T. Metaxas</i></p> <p>An environmental policy decision making model under direct democracy procedures <i>N. Kyriazis and K. Aravossis</i></p>
19:30	CHEESE AND WINE PARTY		

WEDNESDAY, JUNE 24	ROOM A	ROOM B
Imperial Myconian Hotel	<p data-bbox="225 1070 248 1827">SUSTAINABLE WASTE MONITORING AND MANAGEMENT</p> <p data-bbox="264 1715 288 1827">Session II</p> <p data-bbox="304 1429 328 1827">CHAIRS: E. Skotti and E. Voutsas</p>	<p data-bbox="225 427 248 1003">ECOSYSTEMS ANALYSIS AND PROTECTION</p> <p data-bbox="264 898 288 1003">Session I</p> <p data-bbox="304 533 328 1003">CHAIRS: N. Theodosiou and I. Takeuchi</p>
09:00-09:30	<p data-bbox="339 1402 363 1827"><i>Keynote speaker: A.P. Economopoulos</i></p> <p data-bbox="371 1032 427 1827">Formulation and comparative evaluation of alternative MSW management plans for Greece</p>	<p data-bbox="339 349 363 1003">Natural or artificial Christmas tree: a case study from Greece</p>
09:30-09:45	<p data-bbox="448 1346 472 1827">The energy management of olive solid waste</p> <p data-bbox="480 1469 504 1827"><i>K.Konstantinou and I.Tsakiridou</i></p>	<p data-bbox="448 315 472 1003"><i>O. Theodoropoulou, F. Zachos, S. Doivalis, A. Kalogeropoulos, C. Pappia, E. Reppa, V. Detsis and K. Abeliotis</i></p>
09:45-10:00	<p data-bbox="557 1021 612 1827">Investigation on material separation of mixed construction and demolition waste by sorting process</p> <p data-bbox="620 1099 676 1827"><i>A. Montere, Y. Tojo, T. Matsuo, M. Yamada, H. Asakura and Y. Ono</i></p>	<p data-bbox="557 192 612 1003">Economic aspects of the delineation of well head protection areas under conditions of uncertainty</p> <p data-bbox="620 607 644 1003"><i>N. Theodosiou and D. Latinopoulos</i></p>
10:00-10:15	<p data-bbox="687 1021 743 1827">DeconRCM: A decision support system tool for renovation and demolition waste management</p> <p data-bbox="751 1066 807 1827"><i>N. Moussiopoulos, D. Anastaselos, D. Aidonis, G. Banias, Ch. Achilles, E. Iakovou and A. Papadopoulos</i></p>	<p data-bbox="687 192 743 1003">Wildlife use and conservation in a Forest Management Unit of South Cameroon</p> <p data-bbox="751 394 807 1003"><i>Humphrey M. Mbelli, Sip Van Wieren, Chris Wanzie and Herbert H.T. Prins</i></p>
10:15-10:30	<p data-bbox="834 1021 890 1827">Municipal solid waste thermal treatment: problems and technological improvements</p> <p data-bbox="898 1525 922 1827"><i>G. Genon and D. Panepinto</i></p>	<p data-bbox="834 192 890 1003">Preliminary impact assessment of anthropogenic activities on Vourkadi peri-urban lagoon system</p> <p data-bbox="898 663 922 1003"><i>E. Dimitriou and C. Antoniadis</i></p>
10:30-10:45	<p data-bbox="943 1335 967 1827">Recycling of E-waste in a global environment</p> <p data-bbox="975 1682 999 1827"><i>E. Giatarakos</i></p>	<p data-bbox="943 192 999 1003">Environmental forensic investigation of golden rain event in Kaohsiung City, southern Taiwan</p> <p data-bbox="1007 763 1031 1003"><i>C. Lin and W.M. Mao</i></p>
10:45-11:00	<p data-bbox="1051 1021 1107 1827">Life Cycle Assessment of the Co-Incineration of Refuse Derived Fuel (RDF) in a Cement Plant</p> <p data-bbox="1115 1514 1139 1827"><i>K. Aravossis and A. Kormpa</i></p>	<p data-bbox="1051 573 1075 1003">Impact of green development into cities</p> <p data-bbox="1083 595 1107 1003"><i>A. Lalou, V. Eleutheriou and V. Vassi</i></p>
11:00-11:30	COFFEE BREAK	

WEDNESDAY, JUNE 24	ROOM A	ROOM B
Imperial Myconian Hotel	<p>SUSTAINABLE WASTE MONITORING AND MANAGEMENT Session III CHAIRS: C.S. Psomopoulos and A.P. Economopoulos</p>	<p>GIS AND REMOTE SENSING Session I CHAIRS: K. Perakis and Y.N. Photis</p>
11:30-11:45	<p>Influence of recycling aggregates on the environment and its impact on social, engineering and financial sector <i>D. Matsika</i></p>	<p>Remote sensing as an alternative tool for monitoring water consumption over agricultural areas of Cyprus <i>A. Agapiou, G. Papadavid and D.G Hadjimitsis</i></p>
11:45-12:00	<p>Management of industrial waste on sustainable landfills: Influence of the ageing of stabilised/solidified metallic waste on the leaching characteristics <i>A. Coz, B. Ruiz-Labrador, J.R. Viguri and A. Andrés</i></p>	<p>Application of satellite remote sensing and sun-photometers to determine the aerosol optical thickness over Cyprus <i>D.G. Hadjimitsis, K. Themistocleous and M. Hadjimitsis</i></p>
12:00-12:15	<p>Study on the factors influencing municipal solids waste generation in China by multiple statistical analysis <i>L. Chen and W. Xin-Wu</i></p>	<p>Geostatistical analysis for assessing eutrophication trends: a case study in the Strait of Lesvos, Greece <i>D. Kitsiou, M. Kostopoulou, Z. Pataki and M. Karydis</i></p>
12:15-12:30	<p>Household's size affecting solid-waste production in municipality of Volos <i>N. Georgiadis and A. Kungolos</i></p>	<p>Coastal water quality monitoring in Cyprus using satellite remote sensing <i>D.G. Hadjimitsis, M.G. Hadjimitsis, A. Agapiou, G. Papadavid and K. Themistocleous</i></p>
12:30-12:45	<p>Utilization of distillery effluents and agriculture waste to generate energy and usable microalgae biomass in a biogas-microalgae sequence <i>F. Kastanek, P. Kastanek, Y. Rahubin, Y. Maletserova and O. Solcova</i></p>	<p>Multicriteria analysis by means of GIS for airport site selection; the case study of Trikala, Greece <i>A. Moysiadis, I. Faraslis and K. Perakis</i></p>
12:45-13:00	<p>Alternative uses of lignocellulosic biomass <i>I. Pappas, Z. Koukoura, Ch. Goulas, C. Kyparissides and Ch. Tananaki</i></p>	<p>An integrated analytical methodology for the assessment of traffic-related air pollution in medium sized cities <i>S. Margaritis and Y.N. Photis</i></p>
13:00-13:15	<p>Waste reduction methods for shipyards: dry ice blasting <i>F.T. Akanlar, U.B. Celebi and N. Vardar</i></p>	<p>Spatio-temporal variation in water quality of Malad creek, Mumbai, India using geospatial tools <i>R. Vijay, D.R. Satapathy, R.A. Sohony, S. Dhage and P.S. Kelkar</i></p>
13:15-13:30	<p>Large scale recycling of dredged material from confined disposal facilities in the US Northeast <i>D.G. Grubb and M. Roscoe</i></p>	
13:30-15:30	LUNCH BREAK	

WEDNESDAY, JUNE 24		ROOM A	ROOM B
Imperial Myconian Hotel		<p>SUSTAINABLE WASTE MONITORING AND MANAGEMENT Session IV CHAIRS: D. Dermatas and K. Lasaridi</p> <p>Mapping odour nuisance from environmental and industrial installations in Greece <i>K. Lasaridi, G. Katsabanis, Th. Maggos, Th. Manios, M. Fountoulakis, N. Kalogerakis, E.I. Stentiford and A. Kyriacou</i></p> <p>Transportation cost and CO2 emissions of the municipal waste transportation network in the region of Eastern Macedonia-Thrace, Greece <i>I. Markidis, F. Tsagas, I. Tsakmakis, N. Grigoropoulos and D. Dermatas</i></p> <p>Hospital in-house waste management and environmental impact <i>M. Tsakas, Ch. Vassilakos, T. Maggos and J. Michopoulos</i></p> <p>Waste incineration as a source of fine particles emissions: state of the art and perspectives <i>E. Bemporad</i></p> <p>Performance characteristics of lightweight aggregate concrete containing waste-derived synthetic aggregates <i>S. Bethanis</i></p> <p>A feasibility study on potential energy resources of dried industrial organic sludge <i>J. T. Kim, B.-K. Lee, K. D. Kim and S.H. Byeon</i></p>	<p>COASTAL ENVIRONMENT Session I CHAIRS: V.A. Tshirintzis and H. Florou</p> <p>Temporal variability of water quality in Platanovrisi Reservoir related to stratification/mixing conditions <i>G. Sylaios, S. Tsolkas, N. Kamidis, I. Boskidis and V.A. Tshirintzis</i></p> <p>New automated technologies in environmentally sensitive shipyards <i>F.T. Akanlar, U. B. Celebi and N. Vardar</i></p> <p>Modelling and the assessment of anthropogenic impacts on marine ecosystems <i>M.Psaltaki, H.Florou, G.Trabidou and N.C.Markatos</i></p> <p>Implementation of an integrated environmental management system in the Piraeus port <i>Ch. Kontogiorgi, G. Palantzias, A.Naniopoulos and I.Theocharis</i></p> <p>Self-cleaning data logger measurements of long-term (2002 to 2006) variation in chlorophyll a concentration in the Uwa Sea, Southwestern Japan <i>S. Suzuki, K. Furuya and I. Takeuchi</i></p> <p>The impacts of fish farms on marine ecosystem <i>A. Bobat</i></p>
		COFFEE BREAK	
Imperial Myconian Hotel		<p>SUSTAINABLE WASTE MONITORING AND MANAGEMENT Session V CHAIRS: L. Mohamed and E. Montoneri</p> <p>Waste to energy solution for municipal solid waste <i>E. Kalogirou</i></p> <p>Environmental assessment of municipal solid waste landfill sites in Kuwait <i>L. Mohamed and S. Muqem</i></p>	<p>RENEWABLE ENERGY SOURCES Session I CHAIRS: Z.B. Romanowska-Duda and O. Christopoulou</p> <p>The effects of various irrigation systems on biomass production and economic results of sorghum crop <i>M. Sakellariou-Makrantonaki, C. Papanikolaou, E. Mygdakos and N. Papanikos</i></p> <p>Effects of various electrolyte types on the properties of nanocrystalline TiO2 dye sensitized solar cells <i>M. Giannouli, G. Syrrokostas and P. Yianoulis</i></p>
		COFFEE BREAK	

WEDNESDAY, JUNE 24	ROOM A	ROOM B
18:00-18:15	Bio-based products from urban wastes <i>E. Montoneri, V. Boffa, D. G. Perrone, L. Garlasco, M. Ghezzi and P. Savarino</i>	Wind energy resources in future climate change <i>D. Koracin, R. Vellore, R. Belu and J. Koracin</i>
18:15-18:30	Integral evaluation of supply and disposal systems at mountain refuges with focus upon solid waste <i>S. Lebersorger, N. Weissenbacher, E. Mayr and C. Aschauer</i>	A critical taxonomy of design and aggregate planning models for biomass supply chains <i>D. Vlachos, E. Iakovou and A. Toka</i>
18:30-18:45	Contaminant transport through alternative landfill liners <i>G. Varank, E. Sekman, A. Demir, E. Akkaya and M. S. Bilgili</i>	Establishment of the first Greek bioenergy district in Western Thessaloniki <i>K. Konstantinou and I. Tsalkanidou</i>
18:45-19:00	Fly ash disposal in Delhi and NCR – a study <i>Abhinav Gandhi, Abhay Jain, Gunveer Singh, Mayank Bhatia, Salonee Gupta, Sukrit Anand and Raju Sarkar</i>	Biogas from cattle manure as an alternative energy source <i>L. Castrillon, Y. Fernández-Nava, E. Marañón, P. Ormaechea, G. Quiroga and S. Valero</i>
19:00-19:15	Recycling of end of life vehicles <i>D. Vartholomaios, K. Vasdekis and G. Iliadis</i>	Biomass waste as an alternative energy source in Asturias (Spain) <i>L. Castrillon, E. Marañón, Y. Fernández-Nava, P. Ormaechea and G. Quiroga</i>
19:15-19:30		Ecological utilization of sewage sludge in production of Virginia fanpetals (Sida hermaphrodita Rusby) biomass as the source of renewable energy <i>Z.B. Romanowska-Duda, M. Grzesik and K. Piotrowski</i>
19:30-19:45		Sustainable energy: challenges of implementing new technologies in Sudan <i>A. Omer</i>
19:45-20:00		The evolution of renewable energy resources (RES) projects in Greece. The 2010 and 2020 milestones and the need for a real-time management information system tool <i>K. Kisiopoulos and D. Manolopoulos</i>
21:00	BANQUET	

THURSDAY, JUNE 25	ROOM A	ROOM B
Imperial Myconian Hotel	<p>POLLUTION CONTROL TECHNOLOGIES Session I CHAIRS: A. Andreadakis and L. Manusadzianas</p>	<p>FATE AND TRANSPORT OF POLLUTANTS Session II CHAIRS: N. Kalogerakis and V. Tomašević</p>
09:00-09:15	<p>Development and effect of the depth of an experimentally simulated sewer biofilm on carbon uptake <i>E. Gavalakis, A. Andreadakis and A. Stamou</i></p>	<p>Environmental economics of advanced regeneration methods of mineral oil using synthetic adsorbents <i>V. Tomašević and V. Jovanović</i></p>
09:15-09:30	<p>A feasibility study of sludge management for small and decentralized wastewater treatment plants in Greece <i>D. Pagidis, A. Karteris and M. Karteris</i></p>	<p>Fate and effect of herbicides on co-composting process of green waste and sewage sludge <i>L. Makridis, E.K. Pirounaki, M. Fountoulakis, C. Chroni, K. Lazaridi and T. Mantos</i></p>
09:30-09:45	<p>The comparison of PAHs changes content in sewage sludge and supernatants under redox conditions <i>M. Włodarczyk-Makula</i></p>	<p>The experience of reclamation of degraded soils by means of energy crops production <i>O. Rodzkin</i></p>
09:45-10:00	<p>Calcium polysulfide treatment of Cr(VI)-contaminated soil <i>M. Chrysochoou, D. Ferreira and C.P. Johnston</i></p>	<p>Identification of odorous emissions at a piggery facility in Rethymno-Crete <i>P. Karageorgos, M. Latos, Ch. Mpasiakos, M. Lazaridis and N. Kalogerakis</i></p>
10:00-10:15	<p>Batch system for study of (Cr) biosorption by dried waste activated sludge <i>M. Farzadkia, M.Gholami, R.C. Darvishi</i></p>	<p>Pb and Cd toxic migration from commercial glazes in ceramics <i>D. Kanellopoulou, A. Papandreou, Z. Livadia, C.J. Stournaras and V.N. Stathopoulos</i></p>
10:15-10:30	<p>Examination of Two Wastewater Step-feeding Schemes in Enhancing the Performance of a Horizontal Subsurface Flow Constructed Wetland <i>A. Stefanakis and V.A. Tsihrintzis</i></p>	<p>Chemical fractionation and phytoextraction capacity of maize plant grown on chromated copper arsenate soil <i>G.E. Uvumarongie and F.E. Okieimen</i></p>
10:30-10:45	<p>Aerobic and anaerobic degradation processes of solid wastes in landfill test cells <i>S. Top, R. Yazici, E. Sekman, G. Varank, E. Akkaya, A. Demir, V. Batahorli, S. Yildiz and M.S. Bilgili</i></p>	<p>Application of computer modelling for forecasting of contaminants distribution in soil <i>S.P. Kundas, V.I. Kovalenko and I.A. Gishkeluk</i></p>
10:45-11:00	<p>Treatment and control of industrial waste water effluents containing hexavalent chromium <i>M. Cvijovic, P.Djurđević, S.Trifunovic and D.Bacotic</i></p>	<p>Soil carbon sequestration affected by cultivation of poor pastures in arid regions of Central Iran <i>J.Fallahzade and M.A. Hajabbasi</i></p>
11:15-11:30	COFFEE BREAK	

THURSDAY, JUNE 25	ROOM A	ROOM B
Imperial Myconian Hotel	POLLUTION CONTROL TECHNOLOGIES Session II CHAIRS: M. Mitrakas and A. Voulgaropoulos	ENVIRONMENTAL LEGISLATION AND POLICY Session II CHAIRS: S. Goufopoulos and A. Kungolos
11:30-11:45	Phytoextraction potential of <i>Cynara cardunculus</i> L. grown under single and binary cadmium and nickel treatment conditions <u>E.G. Papazogloy and G.K. Papadopoulos</u>	Green Information Technology (IT) Strategy <u>E. Pagourtzi and S. Tsigani</u>
11:45-12:00	Parameters influencing Cr(VI) removal from water using Fe(II) <u>M. Mitrakas, A. Pantazatou, R. Tzimou – Tsitouridou and C. Sikaliadis</u>	Flexible Transport Services for environmental and sustainable urban mobility: the INTERREG IVC FLPPER project <u>G. Ambrosino, J.D. Nelson, B. Bastogi, D. Ramazzotti and S. Cerri</u>
12:00-12:15	Treatment of synthetic textile waste water by combined chemical coagulation/ultrafiltration <u>E. Ellouze, D. Ellouze and R. Ben Amar</u>	A cluster-based approach as an effective way to implement the ECAP (Environmental Compliance Action Program): evidence from some good practices <u>T. Daddi, F. Testa and F. Iraldo</u>
12:15-12:30	Decolouration of solutions of reactive dyes by electrochemical oxidation <u>G. Gallios, A. Voulgaropoulos and I. Voinovschi</u>	Drinking water policy <u>D. Koumparou, A. Nikolaou and S. Goufopoulos</u>
12:30-12:45	Efficiency and mechanism of O ₃ /H ₂ O ₂ degrading the odor compound 2-Methylisoborneol in water <u>X.Y. Li, J.M. Shen and J. Ma</u>	A methodological approach of an improved model for calculating environmental administrative fines <u>K. Aravossis and E. Lazari</u>
12:45-13:00	Aerobic degradation of nitrobenzene by immobilization of Streptomyces sp. Z2 in polyurethane foam <u>C.L. Zheng, J.T. Zhou and J. Wang</u>	Areas under protection: The institutional framework for the management of the areas under protection in Greece <u>H. Carida and E. Thoulitotis</u>
13:00-13:15	Bioremediation of wastewater containing azo dyes through two-stage bioreactor and its biodiversity <u>N.A. Dafale and S.R. Wate</u>	Development of a framework of indicators for the evaluation of the environment and sustainability in the Greater Thessaloniki area <u>N. Moussiopoulos, Ch. Achillas, Ch. Vlachokostas, D. Spiridi and K. Nikolaou</u>
13:15-13:30	The removal of polycyclic aromatic hydrocarbons from wastewater by ultraviolet rays <u>M. Włodarczyk-Makula</u>	Developing practical guidelines for an observatory center on a progress of implementing projects on renewables and waste/wastewater <u>S.N. Boemi, S. Kontogianni, A. Karagiannidis and A.M. Papadopoulos</u>
13:30-13:45		Industrial Air Pollution and the Permitting Procedure of three thermal Power Stations of the Public Power Corporation (P.P.C.) S.A. in Greece <u>C.D. Fliatoura</u>
13:45-15:30	LUNCH BREAK	

THURSDAY, JUNE 25	ROOM A	ROOM B
Imperial Myconian Hotel	<p>POLLUTION CONTROL TECHNOLOGIES Session III CHAIRS: E. Darakas and A. Vlyssides</p> <p>Degradation of Drimarene dyes using UVC/H₂O₂ - Effect of stepwise addition of the reactant <i>A. Rigal, I. Poullos, V. Karayannis, V. Bontozoglou and G. Papapolymerou</i></p> <p>An engineering approach of the sewage-borne bacteria kinetics under laboratory conditions <i>E. Darakas and H. Hadjianghelou</i></p> <p>Removal of dye and heavy metal by using pretreated zeolite <i>M. Sarioglu and C. Deniz</i></p> <p>An approach for sustainable management of the Balıklıgöl lakes, Turkey <i>B. Armagan and N. Besli</i></p> <p>The adsorption of Cd(II) ions by poplar wood sawdust <i>M. Šćiban, M. Klačnja and B. Škrbić</i></p> <p>Effect of temperature and aeration rate on co-composting efficiency of olive mill wastewater with olive stone wooden residues <i>A. Vlyssides, E.M. Barampouti, S. Mai and M. Loizides</i></p>	<p>ENVIRONMENTAL EDUCATION Session I CHAIRS: B.A. Tonkonogov and E.G. Papazoglou</p> <p>Study of Primary and Secondary School Environmental Educators' Perceptions of Sustainable Development and its characteristics <i>A. Papanikolaou, P. Raggou and A. Karameris</i></p> <p>Strategies to increase public participation in recycling of solid wastes in Libya: A case study <i>A. O. El-Amrouni, O. Abdelnaser, A.K. Pakir, R. Mahyuddin and A.H. Aziz</i></p> <p>Environmental Technology in the Industrial Engineering Degree Course at the University of Oviedo (Spain) within the framework of the EHEA <i>L. Castrillón, E. Marañón and Y. Fernández-Nava</i></p> <p>Master and PhD programmes in water and coastal management at the University of Cádiz under Erasmus Mundus initiative: an approach to high European educational programmes for managers and researchers <i>C. Lopez-Valle, E. Garcia-Luque, L. Martín-Díaz, I. Riba and T.A. DelValls</i></p> <p>Automated system for the acquisition, storing and processing of the information about the ecological education in the Republic of Belarus <i>S. P. Kundas and B.A. Tonkonogov</i></p> <p>The UNESCO chair in environmental educational in Belarus <i>N. Goncharova</i></p>
15:30-15:45		
15:45-16:00		
16:00-16:15		
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16:45-17:00		
17:00-17:30		COFFEE BREAK
Imperial Myconian Hotel	<p>POLLUTION CONTROL TECHNOLOGIES Session IV CHAIRS: I. Twardowska and S.G. Pavlostathis</p> <p>Treatment of the textile effluents in cottonseed batch reactor: Determination of optimum process conditions <i>D. Ucar and B. Armagan</i></p>	<p>TOURISM AND ENVIRONMENT Session I CHAIRS: C. Kousidonis and M. Vougioukas</p> <p>Sustainable environmental management and accessibility of urban coastal areas: Mediterranean cooperation, policy and pilot actions <i>M. Vougioukas, S. Divane and G. Thymiakou</i></p>
17:30-18:00		

THURSDAY, JUNE 25	ROOM A	ROOM B
18:00-18:15	Potential of sewage sludge application as metal sorbent in permeable barriers <i>I. Twardowska, K. Janta-Koszuta and E. Miszczak</i>	The Cultural Ecology of folk-tales: A statistical analysis of environment influence on the plot structure - Using Australia, USA and Kyklades as an illustration <i>A. Ioannou, V. Pырpiri, M. Tasiou, S. Mavrikou, M. Lampropoulou and N.D. Hasanagas</i>
18:15-18:30	Anthraquinone compounds as redox mediators for enhanced continuous-flow anaerobic biotransformation of reactive dyes under hypersaline conditions <i>Y.H. Lee and S.G. Pavlostathis</i>	The importance of focusing on the pertinent scale. The Mygdonia incident <i>C. Kousidonis</i>
18:30-18:45	Degradation of Bisphenol-A by ultrasonic irradiation and combination of additives <i>K.J. Zhang, N.Y. Gao, C. Li, Y. Ma and L. Lei</i>	Applying problem structuring methodologies to support tourism policies and planning at the Bahamas <i>A. Rodakopoulos</i>
18:45-19:00	Low cost adsorbents: Growing approach to wastewater treatment <i>V.K. Gupta, P.J.M. Carrott and M.M.L. Ribeiro Carrott Suhas</i>	The role of Information and Communication Technologies (ICTs) in developing tourism for a sustainable social – economic environment <i>E. Pagourtzi and S. Tsigani</i>
19:00-19:15		The role of seafronts in the spatial development and planning of Greek spa towns <i>M. Papageorgiou</i>
19:15-19:30		Ecotourism and environment in Greece- A review <i>T. Mimides, K. Pylarinou and K. Mandalaka</i>
19:30-19:45		Modern technologies and their application in waste elimination in Serbia's urban spa regions <i>M. Nenkovic-Riznic and M. Pucar</i>
FRIDAY, JUNE 26 Optional field trip by boat		

POSTER PRESENTATIONS

MONDAY, JUNE 22			
MORNING (9:30-13:30)			
AFTERNOON (15:30-19:30)			
A01	Toxicity of fine and coarse atmospheric particles using <i>Vibrio fischeri</i> <i>V. Evagelopoulos, S. Zoras, P. Samaras, A. G. Triantafyllou, T.A. Albanis and P. Kassomenos</i>	A21	Valorization of recycled material into Ni-based composites <i>V. Karayannis and A. Moutsatsou</i>
A02	Ecotoxicity of a point source pollution of Lake Como (Northern Italy) <i>R. Bettinetti, S. Quadroni and S. Galassi</i>	A22	WER approach to study changes of metal toxicity over the Lambro River (North Italy) <i>M. Mingazzini and M.T. Palumbo</i>
A03	Evaluation of the genotoxic potential of aquatic zoospore fungi on the erythrocytes of Nile tilapia <i>Oreochromis niloticus niloticus</i> <i>A. Osman, E. Ali, M. Hashem, M. Mostafa and I. Mekawy</i>	A23	5-Fluorouracil accumulation in green microalgae and its biogenetic transfer into ciliate protozoan <i>A. Ud-Daula, G. Pfister and K.-W. Schramm</i>
A04	Meso- and macrofauna of the soil as the bio-indicators of the meadow soil polluted by heavy metals <i>M. Marko-Worłowska, A. Chrzan, T. Łaciak and R. Kozik</i>	A24	Acute toxicity of mature landfill leachates treated by recirculation towards <i>Daphnia magna</i> , <i>Artemia franciscana</i> and <i>Vibrio fischeri</i> <i>E. Skotti and P. Bouchagier</i>
A05	Content of macroelements in <i>Avena sativa</i> L., <i>Brassica napus</i> var. <i>oleifera</i> and <i>Lupinus luteus</i> L. after contamination of soil by copper and zinc <i>M. Wyszowski and J. Wyszowska</i>	A25	Toxicity of copper oxide nanoparticle suspensions to aquatic biota <i>L. Manusadžianas, R. Grigutyte, R. Karitonas, K. Rubekin, R. Vitkus and K. Sadauskas</i>
A06	Effect of petroleum-derived substances on plants after application of compost, bentonite and calcium oxide <i>M. Wyszowski and A. Ziolkowska</i>	A26	Effects of Aluminum soil content, on earthworm's bioaccumulation on organic fields <i>L. Dellaporta, E. Vavoulidou-Theodorou, D. Bilalis and I.E. Tzortzi</i>
A07	Reproduction of a terrestrial isopod exposed to two Endocrine Disruptor Compounds: Bisphenol A and Vinclozolin <i>M.F. Lemos, C.A.M. van Geste and A.M.V.M. Soares</i>	A27	The influence of soil – plant factors on the uptake of Cs by two plant species <i>F. Giannakopoulou, D. Gasparatos and C. Haidouti</i>
A08	Growth Inhibition and Decrease of Photosynthetic Activity exhibited by selected <i>Microcystis aeruginosa</i> strains exposed to dodecylethyl-dimethyl-ammonium bromide <i>M.C. Bartolomé, A. D'ors, V. López-Rodas, E. Costas and S. Sánchez-Fortún</i>	A28	Rapid and efficient removal of boron from simulated deep sea water using synthesized polymer resin <i>Alka, K.M. Choi, S.M. Lee, J.K. Yang and D. Tiwari</i>
A09	Comparison of the effect of heavy metals on the pedofauna of forest and meadow stands <i>A. Chrzan and M. Marko-Worłowska</i>	A29	Statistical analysis of PM10 data in urban region of Volos, Greece <i>G.T. Proias, I.K. Kaldellis and A.G. Paliatsos</i>
		A30	Publics' attitude on air pollution in the city of Thessaloniki, Greece <i>E. Voulgaridou</i>

A10	Evaluation of phytotoxic and genotoxic effects of surface waters using duckweed (<i>Lemna minor</i> L.) <i>S. Radić, D. Stipaničev, P. Cyjetko, M. Marijanović Rajčić, S. Širac, B. Pevalek-Kozlina and M. Pavlica</i>	A31	Development of a new photochemical mechanism suitable for air pollution simulation in Greece and comparison with four known mechanisms <i>S. Karathanasis, P. Zanis and I. Ziomas</i>
A11	Embryotoxic effect of vibrios collected in Mar Piccolo in Taranto (Italy) on <i>Mytilus Galloprovincialis</i> larvae <i>R.A.Cavallo, M.I. Acquaviva, F. Biandolino, R.LoNoce, M. Narracci, L. Stabili and E.Prato</i>	A32	Surface exchange of heat and carbon dioxide in a campus area <i>B.H. Kwon, D.H. Kang, D.S. Kim, K.H. Kim and P.S. Kim</i>
A12	Sediment quality in Guadalquivir River (SW, Spain) using four different short term toxicity tests <i>V. Almagro-Pastor, M.J. Salamanca, D. Macías, V. Tornero, M.L. Martín-Díaz, C.B. Carballeira and T. A. DelValls</i>	A33	Frequency of occurrence of concentrations of air pollutants and their relationship to the established activities in Thriassion Plain – Greece <i>A. Mavrakis and A. Christides</i>
A13	Comparative dredged material characterization using sea urchin embryogenesis and fertilization bioassays in Spanish commercial ports <i>A. Rodríguez-Romero, M. J. Salamanca, I. Riba, C. B. Carballeira and T. A. DelValls</i>	A34	Catalytic versus electrochemical promotion: N ₂ O decomposition over K-modified Palladium catalysts/electrodes <i>G. Pekridis, N. Kaklidis, M. Konsolakis, C. Athanasiou, I.V. Yentakakis and G.E Marnellos</i>
A14	Toxicity of Metal Oxide Nanoparticles to Fathead Minnows and African Clawed Frogs <i>C. Theodorakis, G. Chavez, S. Nations, and G. Cobb</i>	A35	Size distribution of metallic elements in particulate matter from a busy urban area <i>M.T. Ny, B.-K. Lee and D.T.T. Trang</i>
A15	Monthly variability of heavy metal accumulation and detoxifying response of freshwater Copepoda, <i>Cyclops abyssorum</i> <i>A.J.M. Dörr, R. Galarini and A.C. Elia</i>	A36	Development of doped LaCrO ₃ interconnect materials in high temperature steam electrolyzer <i>C.-H. Kim, W.-C. Cho, K.-S. Kang, C.-S. Park and K.-K. Bae</i>
A16	Growth, accumulation and antioxidant response in juvenile carp (<i>Cyprinus carpio</i>) fed a selenium diet <i>A.J.M. Dörr, M.C. Abete, M. Prearo, N. Pacini, G. La Porta, M. Natali and A.C. Elia</i>	A37	A study on the electrolysis of H ₂ O/SO ₂ mixture gas in a SO ₂ -depolarized electrolyzer for the Hybrid Sulfur (HyS) process <i>S.-K. Lee, W.-C. Cho, K.-S. Kang, C.-S. Park, K.-K. Bae and C.-H. Kim</i>
A17	Evaluation of the antioxidant response in liver of carp (<i>Cyprinus carpio</i>) injected intraperitoneally with concentrated drinking water from local aquifers <i>A.C. Elia, A.J.M. Dörr, M.C. Abete and M. Prearo</i>	A38	Commentation and critical analysis of the European landscape treaty of the Florence Convention <i>E. Iosifidis</i>
A18	Soil toxicity evaluation by different ecotoxicological approaches <i>S. Manzo, F. De Luca Picione, A. Rocco and R. Carotenuto</i>	A39	Hunting management and hunting-related values <i>C.K. Sokos, N.D. Hasanagas, K.G. Papaspyropoulos and P.K. Birtsas</i>
		A40	Assessing the sustainability of waste-derived biofuels in Greece <i>A. Karagiannidis, T. Kasampalis, A. Malamakis, G. Fontaras, K. Tegos and Z. Samaras</i>

A19	Acute toxicity of selected organophosphorus pesticides to the green unicellular marine alga <i>Tetraselmis suecica</i> <i>A.S. Petsas, M.C. Vagi, M.D. Pavlaki, N.M. Smaragdaki and M.N. Kostopoulou</i>	A41	A novel decision support tool for the management of mining waste and waste facilities <i>A. Karagiannidis and T. Kasampalis</i>
A20	Toxicity of Olive Mill Wastewaters on <i>Vibrio fischeri</i> and <i>Artemia franciscana</i> <i>A. Charistou, K. Kyriakopoulou, P. Anastasiadou, N. Fokialakis, A.L. Skaltsounis and K. Machera</i>	A42	Histopathology and bioaccumulation of metals, polycyclic aromatic hydrocarbons and linear alkylbenzene compounds in mussels transplanted along São Paulo coast – Brazil <i>C.D.S. Pereira, H.L.N. Silbiger, E.R. Matushima, A. Cesar, E.C.P.M. Sousa, M.G.M. Catharino, E.G. Moreira, M.B.A. Vasconcellos, M.C. Bicego, S.T. Sasaki, S. Taniguchi, A.C.D. Bainy, J. Ramos-Gómez and T.A. DelValls</i>

TUESDAY, JUNE 23			
MORNING (9:30-13:30)		AFTERNOON (15:30-19:30)	
B01	Electrolytic decarbonation and recovery of carbonate solution from a uranium-contaminated carbonate solution in continuous operation <i>K.-W. Kim, Y.-H. Kim, S.-Y. Lee, J.-K. Lim, E.-H. Lee, I.-T. Kim, G.-Il Park and K.-C. Song</i>	B21	Sustainable urban mobility policies and assessment of European Initiatives in Volos <i>A.Trampa</i>
B02	Preliminary observations of effects of melamine enriched diets on tissutal and enzymatic response in rainbow trout (<i>Oncorhynchus mykiss</i>) <i>M.C. Abete, A.C. Elia, A.J.M. Dörr, N. Pacini, D. Marchis, L. Gasco and M.Prearo</i>	B22	Sociopolitical factors in management of accidents from major hazard industrial facilities <i>I. Pappas and A. Koungolos</i>
B03	Heat energy exchange of reed canopy over Goheung bay <i>G.H. Kim, D.S. Kim, D.H. Kang, K.H. Kim and B.H. Kwon</i>	B23	Biometeorological conditions in burned and adjacent unburned areas in Peloponnese, Greece: The case study of Amalias, Prefecture of Ilia <i>A. Kamoutsis, A. Matsoukis, K. Chronopoulos and D. Fotos</i>
B04	The effect of age of biological sludge on energy consumption on conventional activated sludge system of urban wastewater <i>A. Vlyssides, E.M. Barampouti, S. Mai and A. Stamatoglou</i>	B24	The effect of wastewater management on the economic development of tourist coastal areas <i>G. Oikonomides and N. Dermissi</i>
B05	Partners' collaboration on biomass as source of renewable energy towards environmental-economic development <i>J. Abrigana, R. Bajenting and N. Montederamos</i>	B25	Sustainable energy systems in Greece – Solar energy applications in public buildings <i>V. Latinos and S. Polyzos</i>
B06	Natural gas industry in Iran <i>H. Omidvar</i>	B26	Spa Tourism in the trans-border region of Drama-Kavala-Xanthi-Blagoevgrad-Smolyan: Prospects for common development <i>D. Kourkouridis</i>
B07	Feasibility estimation of the biomass pyrolysis – solid oxide fuel cell integrated process <i>C. Athanasiou, G.E. Marnellos, E. Antonakou, I. Fessas and A. Lappas</i>	B27	Exhibition and congress tourism in the region of Central Macedonia and its developmental prospects <i>C. Koloniari and D. Kourkouridis</i>
B08	Surface Energy Budget over the Grass and the Concrete Surface <i>K. H. Kim and B.H. Kwon</i>	B28	The “spirit of the place” fragility. Principles for the achievement of sustainable touristic development in Greek mountainous areas <i>G. Tsilimigkas and A. Gourgiotis</i>
B09	Economic Efficiency and Energy consumption: A conditional robust non parametric approach <i>G.E. Halkos and N.G. Tzeremes</i>	B29	The changes in the hydromorphological processes and the impacts in the static stability of the old Bridge of Arta as a result of the works for the hydroelectric exploitation in the Arahthos river (Ipiros-Greece) <i>A. Mertzanis</i>
B10	Reducing of price uncertainty in a tradable permit system <i>V. Alhanaqtah and O. Alhanaqtah</i>	B30	Comparative study of the gardens between two settlements with different cultural heritage of Southeastern Rhodope <i>M. Kampa, I. Ispikoudis, M.K. Sioliou and P. Kaparti</i>

B11	Use of environmental quality guidelines for the determination of ecological risk in the sediments of Ganges River (India) <i>R. Antón Martín, I. Riba, C. López-Valle, S.K. Sarkar and T.A. DelValls</i>	B31	Transesterification of rape oil using CaO as a solid basic catalyst <i>J.M. Encinar, J.F. González, G. Martínez and S. Román</i>
B12	Biochemical blood parameters: are they effective biomarkers of monitoring fish condition? <i>C. Fernandes, A. Fontainhas-Fernandes, A. Coimbra, M.J. Saavedra and M.A. Salgado</i>	B32	Model-based optimal control of hybrid renewable energy systems <i>P. L. Zervas, H. Sarimveis, J. A. Palyvos and N. C. Markatos</i>
B13	Mercury contamination of breast milk in relation to age and stage of lactation of nursing women from southern Poland <i>R. Stawarz, G. Formicki, Z. Goc and K. Kilian</i>	B33	Bioethanol production from sweet sorghum by <i>Saccharomyces cerevisiae</i> <i>D. Arapoglou, Th. Varzakas, M. Papadopoulou, D. Iconomou, M. Darawsheh, M. Bocari, D. Argyropoulos and C. Israilides</i>
B14	Personal protective equipment to minimize the shipyard production processes health effects on shipyard workers <i>U. B. Celebi, F.T. Akanlar and N. Vardar</i>	B34	Stances of involved institutions for the special spatial planning and sustainable development framework for Renewable Energy Sources <i>E. Iosifidis, T. Tsoutsos and E. Maria</i>
B15	Determination and aquatic risk assessment of pesticides residues in riparian drainage canals of the rivers Ardas and Erythrotamos, northeastern Greece <i>Z. Vryzas, C. Alexoudis, G. Vassiliou and E. Papadopoulou-Mourkidou</i>	B35	Biomass productivity versus oil content in microalgae for biodiesel production <i>M. Mingazzini, M.T. Palumbo and R. Pagnotta</i>
B16	Life cycle analysis of biofuels' supply chain life with special focus in Greece <i>Chr. Papapostolou, E. Kondili and J.K. Kaldellis</i>	B36	Computational Fluid Dynamic (CFD) study of a flocculation tank for potable water treatment <i>T.D Karapantsios, K. Samaras, M. Kostoglou, M. Petala and A.I. Zouboulis</i>
B17	Impact of nuclear energy objects on lake environment: Lake Druksiai case <i>R. Paskauskas, J. Mazeika and J. Kasperoviciene</i>	B37	A wireless sensor network simulation framework for environmental management and monitoring <i>M. Mpasoukos, G.Yovanof, S. Vassilaras and D. Pediaditakis</i>
B18	Potential of selected metals to cause Metal Fume Fever: a comprehensive review <i>C. Emmanouil, M. Gennata, P. Maraboutis and A. Kungolos</i>	B38	Statistical modeling approaches for urban traffic noise <i>E. K. Manatakis</i>
B19	The risk of red palm weevil <i>Rhynchophorus ferrugineus</i> (Olivier) (Coleoptera: <i>Curculionidae</i>) infestation on the native greek palm tree <i>Phoenix theophrasti</i> Greuter (Arecales: <i>Areaceae</i>) <i>D.C. Kontodimas, N. Thymakis, P. Milonas, A. Michaelakis, A.F. Martinou, E. Potamitis, O.L. Dimitriadou and Y.G. Krezou</i>	B39	Accumulation of cadmium and lead in the edible parts of the fodder shrub <i>Atriplex halimus</i> L. grown on Cd and Pb contaminated soils <i>E. Manousaki and N. Kalogerakis</i>
		B40	Restoration alternatives and attitudes of local population towards Kavala quarry - Northern Greece <i>N.D. Hasanagas, A. Charalampous and G. Moutsou</i>

B20	<p>The FOOTPRINT software tools: Pesticide risk assessment and management in the EU at different spatial scales</p> <p><i>I. Dubus, G. Azimonti, M. Bach, E. Barriuso, G. Bidoglio, F. Bouraoui, T. Centofanti, Y. Coquet, B. Feisel, W. Fialkiewicz, H. Fowler, F. Galimberti, B. Grizzetti, A. Højberg, J. Hollis, N. Jarvis, I. Kajewski, J. Kjær, S. Krasnicki, K. Lewis, F. Lobnik, P. Lolos, J. Moeys, T. Nolan, P. Rasmussen, B. Réal, S. Reichenberger, M. Šinkovec, F. Stenemo, M. Suhadolc, N. Surdyk, J. Tzilivakis, E. Vaudour, E. Vavoulidou, D. Windhorst and Wurm</i></p>		
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WEDNESDAY, JUNE 24			
MORNING (9:30-13:30)	AFTERNOON (15:30-19:30)		
C01	Physiological responses of rosemary (<i>Rosmarinus officinalis</i> L.) to salinity and copper nutrition in a nutrient solution <i>M. Hejazi Mehrizi, H. Shariatmadari, A.H. Khoshgoftarmanesh and M.A. Meshkat</i>	C21	Effect of material membrane on the treatment of cutting oil emulsion by ultrafiltration <i>K. Bensadok and M. Belkacem</i>
C02	The variation of hydraulic conductivity with tidal effect for pumping test at the costal rock aquifer around Yong-ho Bay, Busan, KOREA <i>T.Y. Kim, D.H. Kang, S.S. Kim, S.I. Yang and S. Y. Chung</i>	C22	Differences on the porosity development of carbon dioxide activated carbons from lignocellulosic residues <i>J.F. González, S. Román, J.M. Encinar and G. Martínez</i>
C03	Prediction of nitrate leaching under different climatic and nitrogen management scenarios <i>K. R. Végh and G. Füleky</i>	C23	Study and proposal treatment for the waste water purification of a drug company <i>T. Chaabane, M. Taleb Ahmed and R. Maachi</i>
C04	Seasonal distribution of caesium – 137 at the eastern part of Saronikos Gulf, Greece <i>N. Evangeliou, H. Florou, Ch. Psomiadou and M. Scoullou</i>	C24	Motor vehicle recycling as the national energy resource of Serbia <i>A. Pavlovic, S. Arsovski and M. Pavlovic</i>
C05	Seasonal particle dynamics using ²³⁴ Th/ ²³⁸ U disequilibrium approach in a shallow embayment of Central Greece <i>N. Evangeliou, Ch. Psomiadou, A. Zafiropoulou, M. Scoullou and H. Florou</i>	C25	The synthesis of polyhydroxyalkanoates by mixed microbial cultures under aerobic dynamic feeding conditions using by-products from biodiesel production <i>T. Pokój, E. Klimiuk, Z. Gusiatin and D. Kulikowska</i>
C06	Regional differences in trace element concentrations in <i>Anadara</i> spp. (Mollusca: Bivalva) collected from the coast of Vietnam <i>N.P.C. Tu, N.N. Ha, T. Agusa, B.C. Tuyen, S. Tanabe and I. Takeuchi</i>	C26	The efficiency of municipal landfill leachate nitrification in the rotating biological contactor (RBC) <i>D. Kulikowska, T. Józwiak, M. Kuczajowska-Zadrozna, T. Pokój and Z. Gusiatin</i>
C07	The influence of soil to solution ratio on cadmium removal from soils using anionic surfactants <i>Z. Gusiatin, E. Klimiuk, T. Pokój and D. Kulikowska</i>	C27	WEEE management and marginalised social groups in Greece <i>K. Papaikononou, S. Kipouros, A. Kungolos, L. Somakos, K. Aravossis, I. Antonopoulos and A. Karagiannidis</i>
C08	Environmental fate and persistence of the organophosphorus pesticide disulfoton in different types of natural water <i>M.C. Vagi, A.S. Petsas, M.N. Kostopoulou and T.D. Lekkas</i>	C28	Technical parameters and operational cost of a pilot MSW baling-wrapping in Alexandroupolis, Greece <i>F. Tsagas, I. Markidis, I. Tsakmakis, N. Grigoropoulos and D. Dermatas</i>
C09	Macronutrient and heavy metal accumulation in a Greek fir ecosystem of Taygetos mountain in Peloponnese <i>V. Kavvadias, Ch. Paschalidis, D. Velissariou, P. Mavroudis, A. Koriki and D. Petropoulos</i>	C29	DNA damage in human pulmonary cells exposed to organic extracts of PM2.5 collected from two urban sites at different traffic intensity <i>D. Cavallo, C.L. Ursini, R. Cabella, A. Gordiani, R. Maiello, A. Ciervo and S. Iavicoli</i>

C10	Preliminary studies on the degradation of a range of pesticides in novel biomixtures using different agricultural by-products as straw substitutes <i>E. Karanasios, N.G. Tsiropoulos and D.G. Karpouzas</i>	C30	Established activities and land use classification in Thriassion Plain – Greece with the assistance of satellite images, ground measurements and model results <i>A. Mavrakis, A. Tassopoulos, S. Chiotini-Kyvelou and A. Christides</i>
C11	Micronutrients uptake by corn from sewage sludge treated soils <i>A. Abtahi, M. Hoodaji, M. Afyuni and A. Nasr-e-Azadani</i>	C31	The geographical dimension of agro-environmental indicators: developing a preliminary analysis in a Mediterranean case study <i>L. Salvati</i>
C12	An advanced Acoustical Technique for measuring bubbles in stagnant and flowing liquids <i>K.A. Zacharias, S.P. Evgenidis and T.D. Karapantsios</i>	C32	Localization and delimitation of lineaments of Skopelos island using G.I.S. and Remote Sensing techniques <i>A. Tsiglifissi, K. Perakis and S. Margoni</i>
C13	Removal of PAHs and LAS in three lab scale Sequencing Batch Reactors <i>S. Terzakis, M. Fountoulakis, S. Mamounas, M. Patinioti, N. Kalogerakis and T. Manios</i>	C33	Shoreline changes of Lake Koronia during the last seven decades using remote sensing and GIS techniques <i>V. Manakou, I. Faraslis, D. Stathakis, K. Perakis and A. Kungolos</i>
C14	Production of secondary value-added products from the chemical recycling of PET bottles <i>A.K. Nikolaidis, D.S. Achilias and G.P. Karayannidis</i>	C34	Use of GIS, remote sensing and regression models for the identification and forecast of small pelagic fish distribution <i>A. Palialexis, S. Georgakarakos, K. Lika and V.D. Valavanis</i>
C15	Consumption and recycling of plastic packaging materials. A research for the current situation in Thessaloniki <i>D.S. Achilias, P. Koutra and A. Liarou</i>	C35	The effect of potential change in climatic conditions on the development of the energy willow (<i>Salix viminalis</i>) plants <i>M. Grzesik, Z.B. Romanowska-Duda and K. Piotrowski</i>
C16	Innovative refining technology for spent eutectic LiCl-KCl salt generated from pyroprocessing of oxide nuclear fuel <i>I.-T. Kim, Y.-Z. Cho, H.-C. Yang, B.-G. Ahn, H.-C. Eun, K.-W. Kim, G.-I. Park and H.-S. Lee</i>	C36	Sorption kinetics of PAH by using various sorbents <i>S.D. Yakan, B. Karacik, D. Ceylan, S. Dogu, O. S. Okay and O. Okay</i>
C17	Evaluating the relationship between the sorption and the biodegradation of poly aromatic hydrocarbons (PAHs) in surfactant amended continuous fed activated sludge system <i>O. Gök and D.T. Sponza</i>	C37	Study on the production patterns and characteristics of non-household wastes in the Municipality of Kalamaria, Greece <i>A. Malamakis and A. Karagiannidis</i>
C18	Dynamics of grape marcs stabilization during composting <i>C. Ktena, A. Kyriacou, K. Abeliotis and K.E. Lasaridi</i>	C38	Biosorption of zinc from industrial wastewater using bacteria resistance <i>A. Nasr-e-Azadani, A. Tahmourespour, M. Hoodaji and A. Abtahi</i>
C19	Electrochemical treatment of synthetic milk emulsion <i>K. Bensadok and N. El Hanafi</i>	C39	Wastewater reuse and public acceptance <i>S. Kipouros, V. Manakou, K. Papaoikonomou, C. Emmanouil, A. Kungolos, A. Kotios, E. Koutoulakis and G. Petrakos</i>

C20	Comparison of the management of the salt cake generated at secondary aluminium melting plants by wet valorisation and disposal in controlled landfill <i>A. Gil and S.A. Korili</i>	C40	Analysis of the regional-scale influence of agricultural ecosystem parameters on zinc concentrations of soil and rice grains using regression methods <i>M. Karami, M. Afyuni, A.H. Khoshgoftarmansh, A. Papritz, M. Pirzadeh and R. Schulin</i>
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THURSDAY, JUNE 25			
MORNING (9:30-13:30)	AFTERNOON (15:30-19:30)		
D01	POSEIDON system: Environmental monitoring with new generation optical instruments <i>P. Drakopoulos, G. Petihakis, V. Zervakis and K. Nittis</i>	D21	Effects of influent composition on activated sludge protozoa <i>C.A. Papadimitriou, P. Samaras, A.I. Zouboulis, D. Petridis and G.P. Sakellariopoulos</i>
D02	Environmental Management in Special Protected Areas Pamukkale in Turkey <i>S.E. Torlak</i>	D22	CFD study on the performance of a cyclone with tangential air inlet operating at high pressure <i>J.A.S. Gonçalves, M.V. Ramirez, V.G. Guerra, J.M. Silva and J.R. Coury</i>
D03	Inferences on the tolerance of some forest woody angiosperms in an urban polluted environment <i>K. Giagli, G. Vasilopoulos and F.A. Aravanopoulos</i>	D23	Investigating the amount of E-coli and Fecal Streptococci in coastal water of Mazandaran region and comparing it with Microbial standards (case studies 2006) <i>M. Pazoki and A. Takdastan</i>
D04	Ecosystems and urban planning in Thriassion Plain–Greece: Existing problems and potential threats <i>A. Mavrakis</i>	D24	Development of the complex procedure for the water organic waste monitoring <i>E. Savelieva, N. Koryagina, A. Radilov, N. Khlebnikova, L. Gustyleva and O. Orlova</i>
D05	An in-depth study on the effects of animal wastes of municipal slaughterhouses in Davao del Sur, Philippines <i>N. Montederamos and J. Abrigana</i>	D25	Solid phase microextraction hyphenated with gas chromatography-mass-spectrometry as the method of choice for the water pollution control <i>N. Koryagina, E. Savelieva, A. Radilov, N. Khlebnikova, L. Gustyleva and O. Orlova</i>
D06	Greek Newspapers coverage of Lake's Koronia environmental problems <i>V. Manakou, T. Tsiakis and A. Kungolos</i>	D26	The variation of the seawater/freshwater interface at the coastal aquifer in Yongho bay, Busan <i>S.S. Kim, D.H. Kang, T.Y. Kim, S.I. Yang and B. H. Kwon</i>
D07	Comparing novel approaches used for prediction of species distribution from presence/absence acoustic data <i>A. Palialexis, S. Georgakarakos, K. Lika and V. D. Valavanis</i>	D27	Rehabilitation or partial restitution of the former lake Karla, Greece: usefulness of the contingent valuation method <i>E. Koutseris</i>
D08	Colour and TOC reduction using biofilter packed with natural zeolite <i>A. Ojstršek and D. Fakin</i>	D28	Biosorption of Mn ²⁺ from aqueous solutions with the use of <i>Pseudomonas</i> sp., <i>Staphylococcus xylosus</i> and <i>Blakeslea trispora</i> cells <i>D. Gialamouidis, M. Mitrakas and M. Liakopoulou-Kyriakides</i>
D09	The selection of appropriate low-cost natural materials for textile wastewater treatment in constructed wetlands <i>D. Fakin and A. Ojstršek</i>	D29	Adsorption of Cr(III) and Pb(II) from aqueous solutions on a takovite-aluminosilicate nanocomposite <i>A.P. Carnizello, L. Marçal, P.S. Calefi, E.J. Nassar, K.J. Ciuffi, R. Trujillano, M.A. Vicente, S.A. Korili and A. Gil</i>
D10	Reduction of SO _x emissions to control air pollution: Sulfur removal from gasoline by pervaporation <i>M. Takbiri, M. Sadrzadeh, A. Pak and T. Mohammadi</i>		

D11	Minimization of biological excess sludge in Sequencing Batch Reactor By using of chlorination <i>A. Takdastan, N. Mehrdadi, A. Azimi, A. Torabian and G. N. Bidhendi</i>	D30	Molecular analysis on the lipid A (endotoxin) biosynthesis of aerosolized <i>Pseudomonas</i> spp. (γ -Proteobacteria) isolated from different workplaces <i>D. Davolos and B. Pietrangeli</i>
D12	A greenhouse experiment investigating the effects of sewage sludge on nickel availability in soil and maize <i>S. Kabirinejad and M. Hoodaji</i>	D31	Effect of biological traits on organochlorine concentrations in the muscle of an edible flatfish from northwest Aegean Sea <i>V. Vassilopoulou, J. Haralabous and E. Georgakopoulos-Gregoriades</i>
D13	Evaluation of lead concentration in soil and plant treated with compost <i>S. Kabirinejad and M. Hoodaji</i>	D32	Disinfection by-products in chlorinated drinking waters in Volos area, central Greece <i>S. Zieba, N.G. Tsiropoulos and E. Bakeas</i>
D14	Zinc release kinetics in a calcareous soil treated with waste tire ash and powder as alternatives to Zn fertilizers <i>S. Taheri, H. Shariatmadari, A.H. Khoshgoftarmanesh, H. Ghaziasgar, R.L. Chaney and M.H. Mehrizi</i>	D33	R.E.MO.S. network in lignite mines in Western Macedonia, Greece. Assessment of the results for the year 2008 <i>Ar. Psilovikos, A. Sentas, C. Sahanidis and T. Laopoulos</i>
D15	Penetration of aerosol nanoparticles in fibrous filters <i>F.O. Arouca, N.R. Feitosa and J.R. Coury</i>	D34	Determination of pesticide residues in river water of Aliakmonas in the region of Imathia (N. Greece) by means of solid phase extraction disks and gas chromatography <i>I.V. Ziouris, D.A. Lambropoulou, T.A. Albanis</i>
D16	Adsorption of perchloroethylene from aqueous solutions on a Moroccan clay <i>Y. El Mouzdahir, A. Elmchaouri, R. Mahboub, A. Gil and S.A. Korili</i>	D35	Microbial community dynamics in a permeable reactive barrier using real-time PCR technique <i>C.W. Lin, J.F. Yeh, C.H. Wu, Q.K. Dam and S.J. Lu</i>
D17	Potential volatile organic compound oxidation catalysts based on metal/pillared clay systems <i>S.A. Korili, R. Trujillano, M.A. Vicente and A. Gil</i>	D36	Construction of small hydropower plants for renewable energy production and the use of storage basins for water reclamation <i>P.S. Kollias, V. Kollias and S. Kollias</i>
D18	Arsenic contaminated environments: bioremediation perspective from molecular analysis on the bacterial arsenical metabolism <i>D. Davolos and B. Pietrangeli</i>	D37	Water quality characteristic of the constructed wetland at Goheung bay <i>S.I. Yang, D.H. Kang, S.S. Kim, T.Y. Kim, H.S. Yu and B.H. Kwon</i>
D19	Stabilization study of electric arc filters dust derived by steel production <i>A. Papandreou, D. Kanellopoulou, V.N. Stathopoulos and C.J. Stournaras</i>		
D20	Theoretical study of the deposition of nano-sized aerosol particles in fiber filters <i>J.M. Silva, F.O. Arouca, J.A.S. Gonçalves and J.R. Coury</i>		

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