

Oral Presentations

30/6/08		
	ROOM A (Level -1)	ROOM B (Level 0)
08:00-09:00	Registration	
09:00-09:30	KEYNOTE 1 "Recalcitrant Pollutants: From Remediation Engineering to Environmental Metagenomics", Prof. Spiros Agathos Chairs: Gerasimos Lyberatos, Christos Christodoulatos	
09:30-11:10	Session A1: <u>Groundwater and Soil Remediation</u> Session Chairs: N. Kalogerakis, D. Vagenas	Session B1: <u>Management and Treatment of Solid, Liquid and Gaseous Wastes</u> Session Chairs: A. Aivasidis, K. Matis
09:30-09:50	Phytoexcretion and phytoextraction: a novel combined remediation process (ID 86) Authors: Eleni Manousaki & Nicolas Kalogerakis	Heterotrophic denitrification kinetics in a pressurized sewer biofilm reactor (ID 9) Authors: Vasileios Leonidas Mathioudakis & Alexandros Aivasidis
09:50-10:10	Origin and factors controlling chemical composition of particulate matter in urban and rural locations of Greece (ID 183) Authors: Nikolaos Mihalopoulo & Archontoula Chaloulakou	Implementation of the denitrifying phosphorus removal process in municipal wastewater treatment (ID 10) Authors: Anastasios Kapagiannidis, Ilias Zafiriadis & Alexander Aivasidis
10:10-10:30	Hydrogenotrophic denitrification of drinking water using packed-bed reactors (ID 101) Authors: Ioanna A. Vasiliadou, Dimitris V. Vayenas	Kinetic analysis and simulation of UASB anaerobic treatment of a synthetic fruit wastewater (ID 12) Authors: Vasileios Diamantis & Alexandros Aivasidis
10:30-10:50	Use of micro X-ray absorption spectroscopy and diffraction to delineate Cr(VI) speciation in COPR (ID 126) Authors: M. Chrysochoou, D.H. Moon, S. Fakra, M. Marcus, D. Dermatas & C. Christodoulatos	Anaerobic treatment of domestic wastewater using an anaerobic fixed-bed loop reactor (ID 22) Authors: Paraschos Melidis, Eleni Vaiopoulou, Evangelia Athanasoulia & Alexander Aivasidis
10:50-11:10	Accelerated remediation of an industrial site using the modified Fenton's process (ID 141) Authors: Thomas Andrews & Prasad Kakarla	Performance of an anaerobic baffled reactor treating a synthetic wastewater containing phenol (ID 40) Authors: Evangelos Terzis
11:10-11:40	Coffee break Lunch break – Poster Session (Room C – Level +1)	

30/6/08		
	ROOM A (Level -1)	ROOM B (Level 0)
11:40-13:20	Session A2: <u>Groundwater and Soil Remediation</u> Session Chairs: <i>D. Dermatas, G. O'Connor</i>	Session B2: <u>Management and Treatment of Solid, Liquid and Gaseous Wastes</u> Session Chairs: <i>K. Stamatelatou, S. Kalyuzhnyi</i>
11:40-12:00	<u>Performance of pilot-scale vertical flow constructed wetlands treating wastewater</u> (ID 52) Authors: <i>Alexandros Stefanakis, Christos Akratos & Vassilios Tsihrintzis</i>	<u>Dynamics of intracellular polymer reserves during anoxic enhanced phosphate removal in a continuous flow activated sludge system treating municipal wastewater.</u> (ID 13) Authors: <i>Ilias Zafiriadis, Anastasios Kapagiannidis & Alexandros Aivasidis</i>
12:00-12:20	<u>Instrumental monitoring and phytodetection of tropospheric ozone in the greater region of Tripoli - Greece</u> (ID 176) Authors: <i>Costas Saitanis, George Panagopoulos & Vasiliki Dasopoulou</i>	<u>Anaerobic digestion of olive mill wastewater</u> (ID 76) Authors: <i>Paraskevi S Blika, Katerina Stamatelatou, Michael Kornaros & Gerasimos Lyberatos</i>
12:20-12:40	<u>Heavy metals management on firing ranges using mathematical modeling</u> (ID 214) Authors: <i>G. O'Connor, J. Cook, P. Arienti, S. Larson & J. Niles</i>	<u>Decolourization kinetics of mixture of azo dyes under anaerobic conditions</u> (ID 77) Authors: <i>Marina Gladchenko, Anastasia Trukhina & Sergey Kalyuzhnyi</i>
12:40-13:00	<u>Lead containment for firing ranges using passive reactive berms</u> (ID 212) Authors: <i>G. O'Connor, S. Larson, W. A. Martin, J. Niles & M. Warminski</i>	<u>Combating unpleasant odours in the municipal wastewater treatment plant of Chania</u> (ID 85) Authors: <i>Petros Karageorgos, Emmanuel Latos, Mihalios Lazaridis & Nicolas Kalogerakis</i>
13:00-13:20	<u>Management of environmental contaminants on hand grenade ranges</u> (ID 213) Authors: <i>S.L. Larson, J.L. Davis, W.A. Martin, D.R. Felt, J.M. Brannon, G. Fabian, C.C. Nestler, G. O'Connor & J. Niles</i>	
13:20-14:20	Lunch break Lunch break – Poster Session (Room C – Level +1)	

30/6/08		
	ROOM A (Level -1)	ROOM B (Level 0)
14:20-14:50	KEYNOTE 2 "Environmental Applications of Low-Temperature Plasmas: Scientific Challenges and Technological Opportunities", Prof. Kurt Becker Chairs: George Korfiatis & Christos Christodoulatos	
14:50-16:30	Session A3: <u>Groundwater and Soil Remediation</u> Session Chairs: K. Katsifarakis and N. Mihalopoulos	Session B3: <u>Management and Treatment of Solid, Liquid and Gaseous Wastes</u> Session Chairs: S. Pavlostathis and A-M Pedroza
14:50-15:10	<u>Integrated water management system (city or village level - case study in Romania)</u> (ID 236) Authors: Roxana Stoica, Mariana Badea, Maria Iuliana Marcus & Daniela Vasiliu	<u>Fungi biofilter as alternative for the residual water treatment of the tanning process</u> (ID 105) Authors: S. Gómez-Bertel, D. Amaya- Bulla, C. Maldonado-Saavedra, B. Quevedo-Hidalgo, M.M. Martínez-Salgado, A. Soto Guzmán & A.M Pedroza-Rodríguez
15:10-15:30	<u>Optimization of groundwater resources management in polluted aquifers</u> (ID 118) Authors: Konstantinos Katsifarakis, Margarita Mouti & Kerasia Ntrogkouli	<u>Kinetics of thermophilic aerobic degradation of olive mill wastewater</u> (ID 109) Authors: Apostolos Vlyssides, Elli Maria Barampouti, Sofia Mai, Haralampos Loukakis & Emmanouil Tsimas
15:30-15:50	<u>Use of simulation models in the protection of groundwater aquifer systems. Application at the Upper Anthemountas basin in Chalkidiki, Greece.</u> (ID 150) Authors: Mitsios Panayiotis, Tsilonis Georgios & Theodossiou Nicolaos	<u>Indigo dyeing wastewater reclamation by coagulation and membrane processes</u> (ID 124) Authors: Meltem Unlu, Hande Yukseler & Ulku Yetis
15:50-16:10	<u>Leaching behavior of lead (Pb) and tungsten (W) contaminated soils stabilized with type I/II portland cement, silica fume cement and cement kiln dust</u> (ID 98) Authors: Deok Moon, Dennis Grubb, Trevor Reilly, Maria Chrysochoou, Dimitris Dermatas & Gregory O'Connor	<u>A statistical analysis to evaluate maturity and stability of composts</u> (ID 133) Authors: Dimitrios Komilis & Ioannis Tziouvaras
16:10-16:30	<u>Mathematical modeling of microbial growth and lag, in environments contaminated with heavy metals</u> (ID 215) Authors: Petros Gikas, Sema Sevinc Sengor, Timothy Ginn, James Moberly & Brent Peyton	<u>Palladium-catalyzed hydrogen reduction and decolorization of reactive phthalocyanine dyes</u> (ID 152) Authors: Rosalyn Matthews, Lawrence Bottomley & Spyros Pavlostathis
19:00	Cultural evening at Kourkoumelata offered by the Vergotis Foundation	

1/7/08		
	ROOM A (Level -1)	ROOM B (Level 0)
09:00-09:30	KEYNOTE 3 "Our Phytoremediation Journey: from gold to chromium", Prof. Jorge Gardea-Torresdey Chairs: George Korfiatis & Agamemnon Koutsospyros	
09:30-11:10	Session A4: <u>Water Resources Engineering and Management</u> Session Chairs: N. Nikolaidis, V. Tsihrintzis	Session B4: <u>Management and Treatment of Solid, Liquid and Gaseous Wastes</u> Session Chairs: D. Mantzavinos, E. Stephanou
09:30-09:50	<u>Modeling of a large, complex river basin: the lower Nestos river case</u> (ID 49) Authors: Ioannis Boskidis, Georgios D. Gikas, Georgios K. Sylaios, Vassilios Pisinaras, Christos Petalas & Vassilios A. Tsihrintzis	<u>Treatment of partially pre-treated winery effluents by Photo-Fenton</u> (ID 160) Authors: Natasa Anastasiou, Dionissios Mantzavinos & Despo Kassinos
09:50-10:10	<u>Groundwater modeling of the alluvial aquifers of lower Nestos river basin, north Greece</u> (ID 50) Authors: Vassilios Pisinaras, Christos Petalas, Ioannis Boskidis, Konstantinos Moutsopoulos, Alexandra Gemitzi & Vassilios Tsihrintzis	<u>Resource recovery from end-of-life tires in Greece: a field survey, state-of-the-art and trends</u> (ID 166) Authors: Avraam Karagiannidis, Themistoklis Kasampalis, Ioannis Antonopoulos, George Perkoulidis & Anastasia Zabaniotou
10:10-10:30	<u>Groundwater management of an intensively exploited agricultural aquifer in northeastern Greece with the aid of modflow</u> (ID 51) Authors: Vassilios Pisinaras, Christos Petalas & Vassilios Tsihrintzis	<u>Chemical recycling of PET. Hydrolytic depolymerization under microwave irradiation</u> (ID 174) Authors: Dimitris Achilias, Dimitris Bikiaris, Ioannis Katsoyannis & George Karayannidis
10:30-10:50	<u>Assessment of environmental cost of water services performing willingness to pay method.</u> (ID 70) Authors: Chrisostomos Fafoutis, Dimitra Vagiona & Nikitas Mylopoulos	<u>Occurrence and behavior of the emerging contaminants benzothiazoles and benzotriazoles in wastewater treatment plants</u> (ID 186) Authors: Euripides G. Stephanou, Sophia Kargaki & Kyriaki Mylona
10:50-11:10	<u>Comparison of different evaporation methods applied to Lake Vegoritis, Greece</u> (ID 90) Authors: Soultana Gianniou & Vassilis Antonopoulos	
11:10-11:40	Coffee break Lunch break – Poster Session (Room C – Level +1)	

1/7/08		
	ROOM A (Level -1)	ROOM B (Level 0)
11:40-13:40	Session A5: <u>Water Resources Engineering and Management</u> Session Chairs: A. Geitonas, Y. Mylopoulos	Session B5: <u>Management and Treatment of Solid, Liquid and Gaseous Wastes</u> Session Chairs: D. Mamais, I. Pashalidis
11:40-12:00	Water resources management and regional planning in Mygdonia basin (ID 112) Authors: <i>Stathis Economou, Cornelia Kalkopoulou & Athanassios Geitonas</i>	Investigation of Diuron removal from runoff waters using biological treatment processes (ID 209) Authors: <i>A.S. Stasinakis, S. Kotsifa, G. Gatidou, E. Iatrou, E. Koumaki & D. Mamais</i>
12:00-12:20	A coupled surface hydrology-lake-groundwater modeling framework for the Lake Karla basin (ID 115) Authors: <i>Pantelis Sidiropoulos, Sousana Folia, Nikitas Mylopoulos & Athanasios Loukas</i>	Effect of dosing with ferrous iron salts on floc and microbial properties of activated sludge (ID 230) Authors: <i>I. Oikonomidis, L.J. Burrows & C.M. Carliell-Marquet</i>
12:20-12:40	EMERGY analysis as a tool for the evaluation of environmental and economic sustainability of crops in two irrigated agricultural areas (ID 117) Authors: <i>Dimitrios Bakalianos, Athanasios Loukas & Dimitra Vagiona</i>	Pelletization and Composting of Sewage Sludge from Chania City, Using Fly Ash as a Binder (ID 232) Authors: <i>E.Th. Stamboliadis, E.A. Petrakis & D.E. Stamboliadis, P.E. Tzias</i>
12:40-13:00	Using the discriminant analysis and classification method to predict pipe failures with a time step (ID 26) Authors: <i>Stavroula Tsitsifli, Vasilis Kanakoudis & Yiannis Bakouros</i>	Extended dewatering of sewage sludge in pilot-scale solar drying plants (ID 34) Authors: <i>Vasileios L. Mathioudakis, Anastasios G. Kapagiannidis, Evaggelia Athanasoulia, Vasileios I. Diamantis, Parasxos Melidis & Alexandros Aivasidis</i>
13:00-13:20	Maximizing energy benefits by cultivating fiber sorghum in Greece under intelligent irrigation methods (ID 132) Authors: <i>Maria Sakellariou-Makrantonaki & Christos Papanikolaou</i>	Bioremediation of highway stormwater runoff (ID 82) Authors: <i>Andreja Žgajnar Gotvajn & Jana Zagorc- Končan</i>
13:20-13:40	Perspectives of integrated development of the Strymonas - Kerkini water system (ID 134) Authors: <i>Elpida Kolokytha, Anthoula Dota, Zisis Antonopoulos & Yannis Mylopoulos</i>	Potential applications of biosurfactants in tackling environmental issues related to oil industries (ID 83) Authors: <i>Ibrahim Banat, Amedea Perfumo & Roger Marchant</i>
13:40-14:40	Lunch break Lunch break – Poster Session (Room C – Level +1)	

1/7/08		
	ROOM A (Level -1)	ROOM B (Level 0)
14:40-16:40	<p>Session A6: Water Resources Engineering and Management</p> <p>Session Chairs: <i>P. Scarlatos, P. Diplas</i></p>	<p>Session B6: Protection and Restoration of the Coastal Environment</p> <p>Session Chairs: <i>P. Papanicolaou, P. Ganoulis</i></p>
14:40-15:00	<p>Uncertainty assessment in hydrological time series and models at watershed level (ID 138)</p> <p>Authors: <i>Ioannis Daliakopoulos, Aristeidis Koutroulis & Ioannis Tsanis</i></p>	<p>"TRITON": A monitoring station for wave climate, hydrodynamics and turbidity offshore Nestos river mouth, n. Greece (ID 91)</p> <p>Authors: <i>Georgios Sylaios, Christos Akratos, Vassilios Pisinaras, Nikolaos Kamidis, Vassilios Tsihrintzis</i></p>
15:00-15:20	<p>On the determination of design discharges in ungaged basins for highway and railway projects (ID 145)</p> <p>Authors: <i>Ekaterini Daniil, Spyros Michas & Lazaros Lazaridis</i></p>	<p>Beach nourishment studies along the east Macedonia - Thrace coastline (ID 92)</p> <p>Authors: <i>Georgios Sylaios, Vassilios Pisinaras, Christos Akratos & Vassilios Tsihrintzis</i></p>
15:20-15:40	<p>Discrete particle model for entrainment of uniform bed material (ID. 131)</p> <p>Authors: <i>Manousos Valyrakis, Panos Diplas, Ahmet Ozan Celic & Clinton Dancey</i></p>	<p>Horizontal round heated jets into calm uniform ambient (ID 140)</p> <p>Authors: <i>Spyros Michas & Papanicolaou Panos</i></p>
15:40-16:00	<p>3-D water quality simulations in Mornos reservoir (ID 161)</p> <p>Authors: <i>Ioannis Papadimitrakis & Sotiris Karalis</i></p>	<p>Modeling the evolution and fate of an oil slick with a 3-D simulation model (ID 146)</p> <p>Authors: <i>Antigoni Zafirakou- Koulouris, Sofia C. Dermisi, Christopher Koutitas & Vassilios Dermisis</i></p>
16:00-16:20	<p>Computer simulation and animation for catastrophic flood events (ID 163)</p> <p>Authors: <i>Ramesh S. Teegavarapu, Panagiotis Scarlatos & Yossi Kaner</i></p>	<p>An integrated methodology for flood risk management in coastal areas (ID 193)</p> <p>Authors: <i>Panagiota Galiatsatiou, Panayotis Prinos & Philip Ganoulis</i></p>
16:20-16:40	<p>Lead exposure through drinking water: Lessons to be learned from recent U.S. experience (ID 165)</p> <p>Authors: <i>Simoni Triantafyllidou, Yanna Lambrinidou & Marc Edwards</i></p>	<p>Measurements in a hot, negatively buoyant jet, discharged in homogenous calm ambient (ID 202)</p> <p>Authors: <i>Demetris Spetsiotis & Panos Papanicolaou</i></p>

2/7/08		
	ROOM A (Level -1)	ROOM B (Level 0)
09:00-09:30	KEYNOTE 4 "DEAMOX - new microbiological process of nitrogen removal from strong nitrogenous wastewater", Prof.S.V. Kalyuzhnyi <i>Chairs: Gerasimos Lyberatos, Christos Christodoulatos</i>	
09:30-11:10	Session A7: <u>Water Resources Engineering and Management</u> <i>Session Chairs: T.D. Lekkas, G. Karatzas</i>	Session B7: <u>Environmental Impact Assessment and Risk Analysis</u> <i>Session Chairs: E. Gidarakos, A. Stamou</i>
09:30-09:50	Improved statistical rollback method for total maximum daily load (ID 167) Authors: <i>Sarath Chandra K. Jagupilla, David A. Vaccari & Richard I. Hires</i>	Risk assessment analysis of inactive asbestos mine for the use as a disposal site for asbestos wastes (ID 18) Authors: <i>Kalliopi Anastasiadou & Evangelos Gidarakos</i>
09:50-10:10	An Integrated water management concept for the transboundary Prespa Lakes (ID 196) Authors: <i>Philip Ganoulis & Dimitra Vagiona</i>	Landslide susceptibility assessment in Xanthi area (Thrace-Greece) by factor analysis, fuzzy membership functions and GIS. (ID 28) Authors: <i>Alexandra Gemitzi, Georgios Falalakis, Panagiotis Eskioglou, Christos Petalas & Vassilios Tsihrintzis</i>
10:10-10:30	Removal of Specific DBP by GAC in Galatsi (Athens) WTP (ID 220) Authors: <i>T.D. Lekkas, K. Babi, K. Koumenides, C.A. Makri, D.F. Lekkas & A.D. Nikolaou</i>	Radio-environmental Impacts of Phosphogypsum Disposed on a Coastal Area in Vasiliko, Cyprus (ID 35) Authors: <i>Ioannis Pashalidis</i>
10:30-10:50	Water losses during distribution and application in collective pressurized irrigation networks (ID 223) Authors: <i>G. Arampatzis, E. Hatzigiannakis, C. Evangelides, A. Panagopoulos & A. Panoras</i>	Willingness to pay for wetland preservation: a case study for Lake Volvi (ID 71) Authors: <i>Eleni Antonopoulou, Zisis Mallios & Pericles Latinopoulos</i>
10:50-11:10	Relationship with sustainable development and tourism (ID 159) Authors: <i>Antonis Zorpas, Paris Tartas, Goumas Aristidis & Olga Theoharous</i>	Preliminary odor assessment in the vicinity of a wastewater treatment plant using a CFD model (ID 80) Authors: <i>Christos Gaitanis, Yannis Panagopoulos, Athanasios Karayannis & Anastasios Stamou</i>
11:10-11:40	Coffee break Lunch break – Poster Session (Room C – Level +1)	

2/7/08		
	ROOM A (Level -1)	ROOM B (Level 0)
11:40-13:40	Session A8: Renewable Energy Resources - Sustainable Development Session Chairs: <i>M. Kornaros, A. Bekatorou</i>	Session B8: Environmental Impact Assessment and Risk Analysis Session Chairs: <i>P. Latinopoulos, U. Yetis</i>
11:40-12:00	Production of PHAs from mixed and pure cultures of <i>Pseudomonas sp.</i> with short chain fatty acids as carbon source under nitrogen limitation (ID 24) Authors: <i>Constantina Kourmentza, Ioanna Ntaikou, Michalis Kornaros, Gerasimos Lyberatos</i>	Integrating a battery of bioassays in a decision-support framework for the management of dredged material at the local scale: an approach for the Basque harbours (North Spain) (ID 194) Authors: <i>Maria Jesús Belzunce Segarra, Ángel Borja, Raúl Castro, Javier Franco, Joxe Mikel Garmendia, Iratxe Menchaca, Iñigo Muxika, Marta Revilla, Oihana Solaun & Víctor Valencia</i>
12:00-12:20	Comparison of asset and operational rating for office buildings' energy performance-A case study in Athens Greece (ID 53) Authors: <i>Dionissia Kolokotsa, George Stavrakakis, Triantafillia Nikolaou & Ioannis Skias,</i>	Use of fluorimetric method for B-glucosidase determination in crops from Stevia rebaudiana Bertoni soil (ID 106) Authors: <i>V. Gutiérrez, A. Pinzón, J. Casas & M. Martínez</i>
12:20-12:40	The on-going Greek energy transition to sustainability (ID 180) Authors: <i>Niki Frantzeskaki, Eva Michalena, Valerie Angeon & Els van Daalen</i>	Environmental risk analysis and risk management system of a textile mill in Turkey (ID 127) Authors: <i>Meral Mungan, Ertugrul Alp & Ulku Yetis</i>
12:40-13:00	Valorisation of brewer's solid wastes through microbial treatment (ID 227) Authors: <i>A. Bekatorou, A. Mallouchos, M. Kanellaki, M. Komaitis, A. Unyayar, M. Mazmanci & P. Nigam</i>	Assessment of concentrations and human exposure of PBDEs in outdoor and indoor air of homes and occupational settings in Greece (ID 188) Authors: <i>Euripides G. Stephanou, Manolis Mandalakis & Vassiliki Atsarou</i>
13:00-13:20	Assessment of the environmental benefit of fast-growing willow cultivated for biomass supplying (ID 233) Authors: <i>S. Kundas, A. Rodzkin, S. Pozniak & C. Romanovsky</i>	Using environmental indicators to assess the impacts on land use change from transport development (ID 88) Authors: <i>Efthymios Moutsiakis, Dionysios Latinopoulos & Pericles Latinopoulos</i>
13:20-13:40	Composition and chemical properties of RDF produced at a MSW mechanical separation plant in Greece. (ID 226) Authors: <i>M. Scoullou, P. Siskos, C. Zeri, A. Skordilis, Ch. Ziogas, A. Sakellari, K. Giannopoulou, P. Tsiolis, S. Mavroudeas, I. Argyropoulos, Th. Roumeliotis & O. Skiadi</i>	Life Cycle Assessment of two municipal WWTP configurations: oxidation ditch versus a 26-CSTR cascade system (ID 229) Authors: <i>Constantina Marazioti, Sultana Koza & Michael Kornaros</i>
13:40-14:40	Lunch break Lunch break – Poster Session (Room C – Level +1)	

2/7/08		
	ROOM A (Level -1)	ROOM B (Level 0)
14:40-16:40	Session A9: Environmental Legislation and Policy/Waste Minimization and Pollution Prevention Session Chairs: V. Kanakoudis, D. Hadjimitsis	Session B9: Atmospheric Pollution and Control Technology / Global Climate Change Session Chairs: N. Mihalopoulos, P. Kassomenos
14:40-15:00	Implementation of the WFD 2000/60/EC across the EU and the problems reported till now (ID 15) Authors: Vassilis Kanakoudis & Stavroula Tsitsifli	In situ DRIFTS study of surface species formed over sodium promoted Pt/Al₂O₃ catalysts during the reduction of NO by C₃H₆ (ID 7) Authors: V. Matsuka, S. Koukiou, M. Konsolakis & I.V. Yentekakis
15:00-15:20	Aggressive water pricing, pressure management and public awareness may well lead to water conservation (ID 16) Authors: Vassilis Kanakoudis	Training for the indoor environmental quality (ID 54) Authors: D. Kolokotsa, M. Papaglastra, E. Mouriki, M. Santamouris, G. Mihalakakou, D. Matthopoulos, I. Deligiannakis, V. Tsezos, E. Doulka, A. Papadopoulos, E. Giama, A. Aristotelis, G. Stavrakakis, T. Nicolaou, S. Kephelopoulos, A. Katsoyiannis
15:20-15:40	Water pricing policies in the EU. compliance with the WFD (ID 122) Authors: Elpida Kolokytha & Yannis Tsountas	Benzene risk assessment evaluation due to an urban filling station operation (ID 168) Authors: George Pillidis, Spyros Karakitsios & Pavlos Kassomenos
15:40-16:00	Environmental Monitoring of spatial data for the application of NATURA 2000 network in Cyprus using Remote Sensing and GIS (ID 182) Authors: Kyriakos Themistokleous, Diofantos Hadjimitsis & Toula Onoufriou	Remote sensing measurements and GIS application for evaluation of air pollution in an industrial area in Limassol, Cyprus (ID 181) Authors: Diofantos Hadjimitsis, Kyriakos Themistokleous & Toula Onoufriou
16:00-16:20	Adoption of EU's IPPC directive: optimization of water and energy consumption in a textile mill (ID 129) Authors: Ayse Merve Kocabas, Hande Yukseker, Filiz B. Dilek & Ulku Yetis	Ammonia and particle emissions from livestock in Greece (ID 44) Authors: Christos Sidiropoulos & George Tsilingiridis
16:20-16:40		Aerosol Optical Depth variability in the Mediterranean basin based on MODIS and AERONET data (ID 198) Authors: Christos Papadimas, Nikos Hatzianastassiou, Nikos Mihalopoulos, Xavier Querol & Ilias Vardavas
20:00	Gala dinner	

3/7/08		
	ROOM A (Level -1)	ROOM B (Level 0)
09:30-10:00	KEYNOTE 5 "Environmental Technologies: A Source for Opportunities to Create "Green" Ventures", Prof.T.Lechler Chairs: Gerasimos Lyberatos Agamemnon Koutsospyros	
10:00-11:40	Session A10: Fate and Transport of Pollutants in the Environment Session Chairs: A. Koutsospyros, C. Christodoulatos	Session B10: Mathematical Modeling and Systems Analysis Session Chairs: D. Kassinos, P. Georgopoulos
10:00-10:20	The use of humic gel in the simulation of pollutants transport in soils (ID 14) Authors: Petr Sedlacek, Martina Klucakova & Petra Businova	Analyses of the environmental impacts caused by the tourist accommodation sector. case study: Jordan (ID 11) Authors: Maria Monou, Solomon Ioannou, Margarita Vatyliotou1, Dimitris Glekas, Ioannis Glekas & Despo Kassinos
10:20-10:40	Laboratory simulation of LNAPL infiltration and distribution in the Vadose zone (ID 19) Authors: Fotini Simantiraki, Maria Aivalioti & Evaggelos Gidakos	Substance flow models and environmental evaluation in remanufacturing (ID 113) Authors: Christos Tsiliyannis
10:40-11:00	Addressing speciation of W in environmental samples (ID 72) Authors: Adebayo Ogundipe, Julius Pavlov, Washington Braida, Agamemnom Koutsospyros, Gulsah Sen, Christos Christodoulatos & Gregory O'Connor	Mathematical modeling of solute transport in aeration zone considering infiltration and evaporation (ID 234) Authors: S.P. Kundas, I. A. Gishkeluk, V. I. Kovalenko
11:00-11:20	Studies on boron nanoparticles aggregation and transport in porous media (ID 79) Authors: Mahmoud Wazne, Xuyang Liu & Christos Christodoulatos	Mechanistic studies of environmental causes of human disease: a bionetwork dynamics modeling approach (ID 139) Authors: Panos Georgopoulos
11:20-11:40	Trace metal aspects of biosolids use (ID 153) Authors: Grzegorz Siebielec & Tomasz Stuczynski	
11:40-12:10	Coffee break Lunch break – Poster Session (Room C – Level +1)	

3/7/08		
	ROOM A (Level -1)	ROOM B (Level 0)
12:10-14:10	Session A11: Fate and Transport of Pollutants in the Environment Session Chairs: <i>C. Chrysikopoulos, M. Kanakidou</i>	Session B11: Mathematical Modeling and Systems Analysis Session Chairs: <i>A. Liakopoulos, S. Yannopoulos</i>
12:10-12:30	Clogging of a fractured filter by biocolloids during passage of reclaimed wastewater (ID 172) Authors: <i>Ioannis Manariotis, Rosanna La Mantia, Costantino Masciopinto & Constantinos Chrysikopoulos</i>	Nonlinear Analysis of Nestos River Water Level Time Series (ID 142) Authors: <i>Theodoros Karakasidis, Athanasios Fragkou & Antonios Liakopoulos</i>
12:30-12:50	Natural contributions to particulate mater levels over Europe (ID 185) Authors: <i>M. Kanakidou, S. Myriokefalitakis, K. Tsigaridis, M. Sfakianaki, N. Mihalopoulos, N. Kalivitis & E. Gerasopoulos</i>	Presentation and calibration of an integrated model for urban stream water quality management (ID 155) Authors: <i>Anastasios Stamou, Eisodia Douka, Radomir Kapor, Marko Ivetic & Nemanja Branisavljevic</i>
12:50-13:10	Atmospheric deposition and marine sedimentation fluxes of PAHs in the eastern Mediterranean (ID 189) Authors: <i>Euripides G. Stephanou, Manolis Tsapakis & Maria Apostolaki</i>	Mathematical modeling of the interactions between aquacultures and the sea environment (ID 156) Authors: <i>Anastasios I. Stamou, Mariana Karamanoli, Nicoleta Vasiliadou, Eisodia Douka, Alessandro Bergamasco & Lucrezia Genovese</i>
13:10-13:30	Assessment of remediation potential of certain weed and crop species in Cd contaminated soils (ID 197) Authors: <i>Eleftherios A. Fotiadis, Emmanouil Vardavakis & Petros C. Lolos</i>	Water quality modeling of the Pamvotis lake (Greece) using the WASP mathematical model (ID 157) Authors: <i>Stavros Yannopoulos & Haralambos Kaloyannis</i>
13:30-13:50	Levels of heavy metals and bioavailability in soils from the industrial area of Heraklion- Crete, Greece. (ID 199) Authors: <i>Androniki Papafilippaki, Despina Velegraki, Constantina Vlachaki & George Stavroulakis</i>	A detailed ecosystem model of phosphorus dynamics in the constructed wetland Carla in Central Greece (ID 201) Authors: <i>Chrysi Laspidou, Vasiliki Vaina & Liakopoulos Antonis</i>
13:50-14:10	GIS modeling capabilities in optimizing nitrogen fertilizing management (ID 207) Authors: <i>Antonis Papadopoulos & Dionisios Kalivas</i>	Land use changes modelling using neural networks (ID 208) Authors: <i>Dimitrios Triantakostas, Dionisios Kalivas & Vasiliki Kollias</i>
14:10-15:10	Lunch break Lunch break – Poster Session (Room C – Level +1)	

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	ROOM A (Level -1)	ROOM B (Level 0)
15:10-16:10	Open discussion: "Kefalonia-Ithaca, Proposal for the creation of a new Geo-Park in Greece" by the Prefecture of Kefalonia	
16:10-17:30	Session A12: <u>Fate and Transport of Pollutants in the Environment</u> Session Chairs: T. Albanis, E. Remoundaki	Session B12: <u>Ecotoxicology</u> Session Chairs: D. Fatta Kassinos, W. Braida
16:10-16:30	<u>Photochemical alteration of humic substances by simulated solar light. Consequences on their binding characteristics: The case of Cu</u> (ID 211) Authors: Roza Vidali, Emmanouela Remoundaki & Marios Tsezos	<u>Predicted environmental concentrations of selected pharmaceutical active ingredients in urban wastewaters in Cyprus</u> (ID 6) Authors: A. Achilleos, M. Ines Vasquez Hadjilyra, E. Hapeshi, C. Michael, M. Monou, S. Meric & D. Fatta Kassinos
16:30-16:50	<u>Passive sampling techniques for monitoring organic contaminants in aquaculture environment</u> (ID 219) Authors: Ioannis Konstantinou, vDimitra Lambropoulou & Triantafyllos Albanis	<u>Influence of speciation on acute tungsten toxicity</u> (ID 67) Authors: Nikolay Strigul, Catherine Galdun, Liana Vaccari, Washington Braida, Christos Christodoulatos & Gregory O'Connor
16:50-17:10	<u>Groundwater nitrate pollution in north eastern coastals of Achaia Prefecture</u> (ID 224) Authors: E. Andreou, A. Androutsopoulou, E. Criststou, A. Georgiou, C. Kotsopoulos, G.C. Spiliopoulos, A. Theodorakopoulou & K. Angelopoulos	<u>Microbial Assay for Risk Assessment (MARA) - Performance Evaluation and Assessment</u> (ID 107) Authors: Kirit Wadhia & Terry Dando
17:10-17:30	<u>Plant availability of radiocasium in soil: facts, mechanisms and modeling</u> (ID 235) Authors: N.V. Goncharova	

Posters

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Room C (Level + 1)

Groundwater and Soil Remediation

[Phase separation of ethanol or methanol with methoxy-nonafluorobutane or ethoxy-nonafluorobutane in water](#) (ID 8)

Authors: *Kenneth Lee*

[Sustainable valorisation of cotton residues for energy](#) (ID 42)

Authors: *Eythimios Kantarellis & Anastasia Zabaniotou*

[Increasing phytoremediation abilities by introducing genes for bacterial dioxygenases into plants](#) (ID 75)

Authors: *Martina Novakova, Martina Mackova, Zuzana Chrastilova, Jitka Prokesova, Michel Sylvestre & Tomas Macek*

[A novel approach for the remediation of mixed lead and tungsten contaminated soils](#) (ID 78)

Authors: *Juan Betancur, Mahmoud Wazne, Deok Moon, Christos Christodoulatos, Washington Braida & Gregory O'Connor*

[Possibilities of environmental lignite applications](#) (ID 110)

Authors: *Petra Bušinová & Miloslav Pekař*

[Dispersion of odorous compounds emitted from wastewater treatment plants](#) (ID 114)

Authors: *Manolis Latos, Petros Karageorgos, Nikolaos Kalogerakis & Michalis Lazaridis*

[Assessment and monitoring the quality of potable water in the Prefecture of Trikala \(Central Greece\) in the context of public health](#) (ID 135)

Authors: *Agelos Papaioannou, Panagiotis Plageras, Eleni Dovriki, Dimitrios Lavdas, Zoe Roupa, Anastasios Minas, Vasilios Krikelis, Athanasios Paliatsos & Panagiotis Nastos*

[Waste co-processing in the cement mills from Romania- an efficient technique of waste's material and power capitalization](#) (ID 237)

Authors: *Vasilica Daescu & Elena Holban*

[Screening of fungal strains able to degrade endocrine disrupters.](#) (ID 57)

Authors: *Zdena Kresinova, Katerina Svobodova & Tomas Cajthaml*

[Identification of bacterial strains degrading PCBs in contaminated soil and detection of degradation genes](#) (ID 58)

Authors: *Zuzana Cechova, Maria Brennerova, Zuzana Sejakova & Tomas Cajthaml*

Management and Treatment of Solid, Liquid and Gaseous Wastes

[Electrochemical degradation of obsolete pesticide stocks using a Pt/Ti electrode](#) (ID 116)

Authors: *Dimitris Arapoglou, Cleanthes Israilides, Apostolos Vlysidis, Sofia Mai, Elli Maria Barampouti & Konstantinos Sipsas*

[An investigation of final effluents from Olympias mine in Chalkidiki, Greece in 2002](#) (ID 170)

Authors: *Themistoklis Kasampalis, N. M. Rice & Avraam Karagiannidis*

[Ferric Chloride \(FeCl₃\) as regulatory agent for the reduction of hydrogen sulphide \(H₂S\) in municipal wastewater](#) (ID 191)

Authors: *Sotiria Aslanidou, Nikolaos Lydakis-Simantiris, Christina Kotsifaki, Despoina Pentari, Eleftheria Katsivela*

[Akaganeite sorption process for the removal of surfactants from water](#) (ID 200)

Authors: *Eleni Deliyanni, Efrosini Peleka & Kostas Matis*

[Biosorptive flotation for metal cations removal by fungal biomass](#) (ID 46)

Authors: *Kostas A. Matis & Anastasios I. Zouboulis*

[A survey of nonylphenols, triclosan and bisphenol A in municipal wastewater and sewage sludge in Greece](#) (ID 210)

Authors: *Athanasios Stasinakis, Georgia Gatidou, Daniel Mamais, Nikolaos Thomaidis & Themistokles Lekkas*

[Photocatalytic degradation of pesticides and organic micropollutants residues in water by using TiO₂ and sunlight](#) (ID 218)

<p>Authors: <i>Triantafyllos Albanis</i> Electrochemical disinfection of secondary treated municipal wastewater over boron doped diamond electrodes (ID 231) Authors: <i>N.P. Xekoukoulotakis, D. Mantzavinos & N. Kalogerakis</i></p>
<p>Water Resources Engineering and Management</p> <p>The environmental impacts from the harbour constructions between the Preveza and Kastrosikia (Greece) (ID 29) Authors: <i>Aristides Mertzanis, Andreas Papadopoulos, Anastasia Pantera, George Efthimiou & E. Koutseris</i> Social acceptability of recycled water use for irrigation purposes in Thessaly region. Greece (ID 162) Authors: <i>Sophia Bakopoulou, Iliana Katsavou, Serafeim Polyzos & Athanassios Kungolos</i> Photolytic and photocatalytic alterations of humic substances in UV (254nm), Solar Lamp and Solar Cocentric Parabolic Concentrator (CPC) reactors. (ID 216) Authors: <i>Emmanouela Remoundaki, Roza Vidali, Pavlina Kousi, Artin Hatzikioseyan & Marios Tsezos</i></p>
<p>Protection and Restoration of the Coastal Environment</p> <p>Heavy metal pollution in the surface sediments of Thermaikos Gulf, N. Greece. Elaboration by GIS (ID 55) Authors: <i>Christophoros Christophoridis, Dimitrios Dedepsidis & Konstantinos Fytianos</i> Effects of nutrient additives on microbial degradation of crude oil spills (ID 100) Authors: <i>Maria Nikolopoulou, Nikos Pasadakis & Nikolaos Kalogerakis</i></p>

2/7 - 3/7

<p>Environmental Impact Assessment and Risk Analysis</p> <p>Influence of storage conditions on sorption of chemicals by refillable plastic bottles (ID 20) Authors: <i>Panagiotis Demertzis & Konstantoula Akrida-Demertzi</i> Human interventions in the mountainous draining basins and their impacts in the coastal zone (Greece - Italy) (ID 30) Authors: <i>A. Mertzanis, F. Tziaftani, G. Efthimiou, E. Koutseris & F. Marabini</i> Modeling the impact of airport activities on local scale air quality (ID 147) Authors: <i>Christos Efstathiou, Aparna Vemuri, Sheng-Wei Wang & Panos Georgopoulos</i> Sensitive issues in European post-industrial regions (ID 154) Authors: <i>Renata Korzeniowska-Puculek, Tomasz Stuczynski, Grzegorz Siebielec & Piotr Koza</i> The measurement of hydrocarbon-degrading bacteria in the digestive tract of fish as component of contaminated site assessment (ID 169) Authors: <i>L. Mickėnienė & J. Šyvokienė</i></p>
<p>Environmental Legislation and Policy / Waste Minimization and Pollution Prevention</p> <p>Investigation on the indicators of ecological sensitivity of visitor's in the protected area of Ardas River. (ID 25) Authors: <i>Georgios Efthimiou, Stelios Themelakis, Hans Jerrentrup, Aristeidis Mertzanis & Stergios Vergos</i> Nature Center heart and soul (ID 179) Authors: <i>Contantina Skanavis & Christos Giannoulis</i> Greenhouse effect / planet overheating: cognitive or emotional process of predictive information concerning climate change? (ID 143) Authors: <i>Ioannis Katerelos, Dionissios Loukeris, Skanavi Konstantina</i> Synthesis of anti ulcer drugs from cigarette butts (ID 203) Authors: <i>Siddharth Pillai</i></p>
<p>Atmospheric Pollution and Control Technology/Global Climate Change</p> <p>Estimation of human exposure and dose using an Environment & Health Decision Support Tool (STEDOM) (ID 65)</p>

<p>Authors: <i>Victoria Aleksandropoulou, Mihalīs Lazaridis</i> Particulate matter size distribution measurements and chemical composition analysis at akrotiri research station, Crete, Greece (ID 73)</p> <p>Authors: <i>Ilias Kopanakis, Nikos Lydakis-Simantiris, K. Eleftheriadis, Despina Pendari, Eleftheria Kkatsivela, Nikos Mihalopoulos & Pavlos Zampas</i> Influence of the vehicular traffic on the air pollution in the city of Chania, Greece (ID 81)</p> <p>Authors: <i>Dimitra-Eirini Karava, Victoria Alexandropoulou, Mihalīs Lazaridis, Eleftheria Katsivela</i></p>
<p>Fate and Transport of Pollutants in the Environment</p> <p>Sources and variability of non-methane hydrocarbons in the eastern Mediterranean (ID 225)</p> <p>Authors: <i>Cecilia Arsene, Aikaterini Bougiatioti, Nikolaos Mihalopoulos</i></p>
<p>Mathematical Modeling and Systems Analysis</p> <p>Modelling phytoextraction of lead by Nerium Oleander in brackish areas (ID 89)</p> <p>Authors: <i>Antreas Constantinou, Eleni Manousaki, Nicolas Kalogerakis</i> The use of specific indexes and GIS for desertification risk assessing on olive cultivated areas in W. Crete (ID 228)</p> <p>Authors: <i>I Kasapakis, C Kosmas, G Stylianaki, K Chartzoulakis</i></p>
<p>Ecotoxicology</p> <p>Copsa Mica area and heavy metals pollution (ID 17)</p> <p>Authors: <i>Daniela Violeta Dumitrescu, Eugen Stelian Gurzau, Anca Elena Gurzau, Dorin Marchean, Ioan Chera, Petra Motoiu & Adrian Muica</i> Benefits of ecotoxicological bioassays in the evaluation of a biotreatment of PAHs polluted soils (ID 66)</p> <p>Authors: <i>C. Lors, F. Perie, C. Gran & D. Damidot</i> Comparative study of acute toxicity of different nanomaterials (ID 68)</p> <p>Authors: <i>Nikolay Strigul, Liana Vaccari, Catherine Galdun, Mahmoud Wazne, Washington Braidā, Christos Christodoulatos & Kristin Jasinkiewicz</i> The biological systems used for the evaluation of environmental hazards (ID 93)</p> <p>Authors: <i>Petra Lovecká, Tomáš Gichner, Martina Macková and Kateřina Demnerová</i></p>