CONFERENCE PROGRAM

16th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region

September 24 to 27, 2011
Ioannina - Greece

Organized by
MESAEP
Mediterranean Scientific Association of Environmental Protection

Preliminary Version July 26, 2011

Editors:
George Pilidis, Werner Bergheim, Dimitris Alivertis
### Preliminary Program

#### Saturday 24th of September

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>10:00 - 16:30</td>
<td>Registration</td>
</tr>
<tr>
<td>18:30 - 19:00</td>
<td>Official Opening Ceremony</td>
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<tr>
<td>19:00 - 19:45</td>
<td>Plenary lecture</td>
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<td></td>
<td>Prof. Dimosthenis Asimakopoulos</td>
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<td></td>
<td>Dept of Physics, University of Athens</td>
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<td>20:00</td>
<td>Welcome Cocktail</td>
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#### Sunday 25th of September

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<thead>
<tr>
<th>Time</th>
<th>Conference room A</th>
<th>Conference room B</th>
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<tbody>
<tr>
<td>9:00 - 10:50</td>
<td>Sustainable water management</td>
<td>9:00 - 10:50</td>
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<tr>
<td>10:50 - 11:20</td>
<td>Coffee Break at Poster Room</td>
<td>10:50 - 11:20</td>
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<tr>
<td>11:20 - 12:00</td>
<td>Sustainable water management</td>
<td>11:20 - 12:40</td>
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<tr>
<td>12:40 - 14:00</td>
<td>Lunch</td>
<td>12:40 - 14:00</td>
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<tr>
<td>14:00 - 15:20</td>
<td>Sustainable water management</td>
<td>14:00 - 14:30</td>
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<td>Coffee Break at Poster Room</td>
<td>14:30 - 15:20</td>
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<tr>
<td>16:00 - 17:00</td>
<td>Poster Discussion</td>
<td>15:20 - 16:00</td>
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<tr>
<td>17:00 - 18:00</td>
<td>Sustainable water management</td>
<td>16:00 - 17:00</td>
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<tr>
<td>20:30</td>
<td>Gala Dinner</td>
<td>17:00 - 18:20</td>
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**Poster Sessions**
Sustainable water management, Soil quality and pollution, Environmental education
### Monday 26th of September

**Conference room A**
- **9:00 - 10:30** Food safety and quality
- **10:30 - 11:00** Coffee Break at Poster Room
- **11:00 - 12:00** Food safety and quality
- **12:00 - 12:30** Waste to Energy (Prof. Tassios, Synergia)
- **12:30 - 14:00** Lunch
- **14:00 - 15:30** Impact of climate change in the Mediterranean area
- **15:30 - 16:00** Coffee Break at Poster Room
- **16:00 - 17:00** Poster Discussion
- **17:00 - 18:30** Impact of climate change in the Mediterranean area

**Conference room B**
- **9:00 - 10:20** Agricultural, domestic and industrial waste
- **10:20 - 11:00** Coffee Break at Poster Room
- **11:00 - 12:40** Agricultural, domestic and industrial waste
- **12:40 - 14:10** Lunch
- **14:10 - 15:50** Renewable Energy Sources
- **15:50 - 16:30** Coffee Break at Poster Room
- **16:30 - 17:30** Poster Discussion
- **17:30 - 19:00** Solid Waste Management (in Greek)

**MESAEPP General Assembly**

**Poster Sessions**
Food safety and quality / Agricultural, domestic and industrial waste / Outdoor and indoor air quality and pollution / Environment and human health / Impact of climate change in the Mediterranean area / Renewable energy sources / Solid waste management (in Greek)

### Tuesday 27th of September

**Conference room A**
- **9:00 - 11:10** Outdoor and indoor air quality and pollution
- **11:10 - 11:40** Coffee Break at Poster Room
- **11:40 - 13:20** Outdoor and indoor air quality and pollution

**Conference room B**
- **9:00 - 11:20** Environment and human health
- **11:20 - 11:40** Coffee Break at Poster Room
- **11:40 - 14:00** Environment and human health

**14:00** Conclusions of the Symposium

**15:00** Excursion (optional)
### Sunday 25th of September

#### Conference Room A

**Sustainable water management**

<table>
<thead>
<tr>
<th>Time</th>
<th>TitleUPPORTED BY</th>
<th>Speakers</th>
<th>Institution/University</th>
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</thead>
<tbody>
<tr>
<td>9:00 – 9:30</td>
<td>SUSTAINABLE WATER MANAGEMENT: WHAT ARE THE PRIORITIES?</td>
<td>C. Hayes</td>
<td>College of Engineering, Swansea University, United Kingdom</td>
</tr>
<tr>
<td>9:30 – 10:00</td>
<td>ECONOMIC AND ENVIRONMENTAL EVALUATION OF CONSTRUCTED WETLAND SYSTEMS FOR WASTEWATER TREATMENT</td>
<td>D.G. Gikas and V.A. Tsihrintzis</td>
<td>Democritus University of Thrace, Environmental Engineering, Greece</td>
</tr>
<tr>
<td>10:00 – 10:30</td>
<td>ASSESSMENT OF DIFFUSE POLLUTION IN THE WATERSHED SCALE: A CASE STUDY FOR WATERSHEDS OF TURKEY, SEYHAN AND CEYHAN</td>
<td>E. Atasoy, S. Ayaz, B.H. Gürsoy, N. Erdoğan, S. Dağlı, and L. Akça</td>
<td>Tübitak-Marmara Research Center, Environment Institute, Turkey</td>
</tr>
<tr>
<td>10:30 – 11:00</td>
<td>DROUGHT ANALYSIS OF KONYA CLOSED BASIN (TURKEY) FOR 1972-2009 PERIOD</td>
<td>S. Dogan, A. Berktay, and V.P. Singh</td>
<td>Texas A&amp;M University, Dept. of Biological &amp; Agricultural Engineering, USA</td>
</tr>
<tr>
<td>11:00 – 11:30</td>
<td>IMPOSEX AS SURVEILLANCE BIOMONITORING TOOL OF POLLUTION BY THE ANTIFOULING AGENT, TBT AFTER ITS BAN: MALTA, A CASE STUDY.</td>
<td>V. Axiak, R. Guillaumier, P. Herrera, and N. Vella</td>
<td>University of Malta, Dept. of Biology, Malta</td>
</tr>
<tr>
<td>11:30 – 12:00</td>
<td>EXCEED - EXCELLENCE CENTRE FOR DEVELOPMENT COOPERATION SUSTAINABLE WATER MANAGEMENT IN DEVELOPING COUNTRIES</td>
<td>M. Bahadir</td>
<td>Techn. University of Braunschweig, Institute of Environmental and Sustainable Chemistry, Germany</td>
</tr>
<tr>
<td>12:00 – 12:30</td>
<td>HEAVY METALS IN SOIL, SEDIMENTS, WATER AND MUSSELS IN BUTRINTI LAGOON</td>
<td>A. Bani, T. Topi, J. Malltezi, and S. Sulce</td>
<td>Agricultural University of Tirana, Dept. of Agrienvironment and Ecology, Albania</td>
</tr>
<tr>
<td>12:30 – 13:00</td>
<td>FEEDING BEHAVIOUR OF Atherina boyeri (RISSO, 1810) IN THE LAGOONS OF NESTOS DELTA</td>
<td>A. Kademoglou, E.T. Koutrakis, and I. Leonards</td>
<td>University of Ioannina, Dept. of Biological Applications and Technologies, Greece</td>
</tr>
<tr>
<td>13:00 – 13:30</td>
<td>EFFECTS OF SEA LEVEL RISES ON SEMI ENCLOSED COASTAL AREA: CASE OF AYVALIK BAY</td>
<td>T. Bagci, E. Irtem, and M. Kabdasli</td>
<td>Istanbul Technical University, Civil Engineering Faculty, Turkey</td>
</tr>
<tr>
<td>13:30 – 14:00</td>
<td>CYANOBACTERIAL SPECIES COMPOSITION AND BACTERIAL AND ARCHAEAAL ASSEMBLAGES IN SEDIMENTS OF AN ANCIENT SHALLOW EUTROPHIC LAKE (LAKE PAMVOTOS - GREECE).</td>
<td>A. Touka, K. Vareli, G. Pilidis, M.-C. Mavrogiorou, E. Briassoulis, J. Halley, E. Frilingos &amp; I. Sains</td>
<td>University of Ioannina, Medical School, Greece</td>
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<tr>
<td>14:00 – 14:30</td>
<td>BRINE DILUTION UNDER CODIRECTIONAL WAVE ATTACKS</td>
<td>B. Bas, M.S. Kabdasli, S.N. Erturk Bozkurtoglu, and D. Z. Seker</td>
<td>Istanbul Technical University, Geomatics Engineering Department, Turkey</td>
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**Preliminary Program**

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<tr>
<td>14:00 - 15:00</td>
<td><strong>01-o-12</strong></td>
<td>A LARGE SCALE CONSTRUCTED WETLAND IMPLEMENTATIONS PROJECTS IN TURKEY IN SALT LAKE SPECIAL ENVIRONMENTAL PROTECTION AREA</td>
<td>K. Gunes, B. Oktar, S. Ayaz, A. Suha Gunay, G. Ozden, C. Senduran, T. Dikerler, E. Metin, B.I Kaya, and L. Türkben</td>
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<td></td>
<td></td>
<td>Tubitak-Marmara Research Center, Energy System &amp; Environmental Research Institute, Turkey</td>
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<tr>
<td>15:00 - 15:20</td>
<td><strong>01-o-13</strong></td>
<td>RELATIONSHIPS BETWEEN LAKE MORPHOLOGY AND MACROPHYTE SPECIES ABUNDANCE AND DISTRIBUTION IN GREEK LAKES</td>
<td>K. Stefanidis and Eva Papastergiadou</td>
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<td>University of Patras, Dept. of Biology, Greece</td>
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<td>15:20 - 16:00</td>
<td>Coffee Break at Poster Room</td>
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<td>16:00 - 17:00</td>
<td><strong>Poster Discussion</strong></td>
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<tr>
<td>17:00 - 17:40</td>
<td><strong>01-o-14</strong></td>
<td>ANALYZING AND MAPPING WATER BORNE COMMUNICABLE DISEASES IN TURKEY</td>
<td>A.Ö. Doğru, S. Alkoy, N. Uluğtekin, F. Bektas Balçık, Ç. Göksel, and S. Sözên</td>
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<td></td>
<td>İstanbul Technical University, Civil Eng. Faculty, Turkey</td>
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<tr>
<td>17:40 - 18:00</td>
<td><strong>01-o-15</strong></td>
<td>WATER RESOURCES AND DEVELOPMENT OF PROTECTED AREAS: THE CASE OF EVROS DELTA NATIONAL PARK, GREECE</td>
<td>G. Arabatzis and S. Tsiantikoudis</td>
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<td></td>
<td>Democritus University of Thrace, Dept. of Forestry and Management of the Environment and Natural Resources, Greece</td>
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<tr>
<td>18:00 - 19:00</td>
<td><strong>01-o-16</strong></td>
<td>MONITORING LAND USE DYNAMICS IN A LAGOON WATERSHED USING REMOTE SENSING and GIS; A CASE STUDY</td>
<td>A. Ertürk, D.Z. Şeker, and A. Tank</td>
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<td></td>
<td>İstanbul Technical University, Environ. Engineering Dept., Turkey</td>
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**Conference room B**

**Environmental education**

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<tbody>
<tr>
<td>9:00 - 9:30</td>
<td><strong>09-o-01</strong></td>
<td>QUANTIFYING ENVIRONMENTAL EDUCATION: THE 2-MEV-MODEL AND MORE</td>
<td>F. X. Bogner</td>
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<td>University of Bayreuth, Germany</td>
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<tr>
<td>9:30 - 10:00</td>
<td><strong>09-o-02</strong></td>
<td>LEARNING ABOUT NATURAL HISTORY AND ENVIRONMENTAL EDUCATION THROUGH THE USE OF DIGITAL TECHNOLOGIES</td>
<td>S. Sotiriou</td>
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<td>Ellinogermaniki agogi, Greece</td>
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<td>10:00 - 10:30</td>
<td><strong>09-o-03</strong></td>
<td>EDUCATION FOR ECO-FRIENDLY CONSUMER BEHAVIOUR IN AN AUTHENTIC LEARNING SETTING</td>
<td>G. Froehlich &amp; F. X. Bogner</td>
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<td>University of Bayreuth, Germany</td>
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<td>10:30 - 11:00</td>
<td><strong>09-o-04</strong></td>
<td>ENVIRONMENTAL EDUCATION IN ALBANIA</td>
<td>P. Kotori, J. Mandilli, S. Mico, and V. Tahiri</td>
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<td>University of Vlora, Dept. of Physics, Albania</td>
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<tr>
<td>11:00 - 11:30</td>
<td><strong>09-o-05</strong></td>
<td>A NEW APPROACH AND CONCEPT ON REDUCING THE ENVIRONMENTAL IMPACTS OF SHIPPING: GREEN SHIP</td>
<td>L. Bilgili, U.B. Celebi, G.Aydin, and G.Alkan</td>
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<td>Yıldız Technical University, Naval Architecture and Marine Engineering Dept., Turkey</td>
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<td></td>
<td>Coffee Break at Poster Room</td>
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<th>Institution(s)</th>
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<tr>
<td>11:40</td>
<td>MARINE POLLUTION: KNOWLEDGE, ATTITUDES AND THEIR EFFECTS ON ENVIRONMENTAL BEHAVIOR OF GREEK PRE-SERVICE TEACHERS</td>
<td>T. Boubonari, A. Markos, and T. Kevrekidis</td>
<td>Democritus University of Thrace, Lab. of Environmental Research and Education, Greece</td>
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<tr>
<td>12:00</td>
<td>ENVIRONMENTAL EDUCATION ON GLOBAL CLIMATE CHANGE IN BOTANICAL GARDENS</td>
<td>D. Sellmann &amp; F. X. Bogner</td>
<td>University of Bayreuth, Germany</td>
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<tr>
<td>12:20</td>
<td>A SOCIAL SURVEY ON HOW THE ECONOMIC CRISIS AFFECTS PEOPLES’ ATTITUDE TOWARDS THE ENVIRONMENTAL SUBJECTS</td>
<td>P. Kosmopoulos, A. Kantzioura, I. Kosmopoulos, and K. Kleskas</td>
<td>Democritus University of Thrace, Dept. of Environmental Engineering, Greece</td>
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<tr>
<td>14:00</td>
<td>EUROPEAN ENVIRONMENTAL RESEARCH FUNDING FOR MENA COUNTRIES</td>
<td>T. Ammerl, A. Blume, A. Reiter, and C. Rippl</td>
<td>Bavarian Research Alliance, European Research Funding (Environment), Germany</td>
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<tr>
<td>14:15</td>
<td>Organic Wastes: traditional and new utilizations in soil</td>
<td>N. Senezi</td>
<td>University of Bari, Department of Agroforestal and Environmental Biology and Chemistry, Via Amendola, 165/A. 70126-BARI, Italy</td>
</tr>
<tr>
<td>14:30</td>
<td>MAPPING THE HISTORICAL LAND COVER /USE CHANGES IN ACHERON RIVER, W. GREECE</td>
<td>E. Kostara, A. Retalis, and E. Papastergiadou</td>
<td>University of Patras, Dept. of Biology, Greece</td>
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<tr>
<td>15:30</td>
<td>CHEMICAL SIMPLE EXTRACTIONS OF TRACE ELEMENTS IN SEDIMENTS AFFECTED BY MINING ACTIVITIES. APPLICATION TO SIERRA MINERA OF CARTAGENA-LA UNIÓN.</td>
<td>C. Pérez-Sirvent, M.J. Martinez-Sánchez, M.L. García-Lorenzo, and M. Hernández-Córdoba</td>
<td>University of Murcia, Department of Agricultural Chemistry, Geology and Pedology, Spain</td>
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<tr>
<td>15:45</td>
<td>REHABILITATION OF DEGRADED SOILS CONTAINING AGED PAHS BASED ON PHYTOREMEDIATION WITH ALFALFA (MEDICAGO SATIVA L.)</td>
<td>H. Hamdi, S. Benzarti, I. Aoyama, and N. Jedidi</td>
<td>Water Research and Technology Center, Borj Cedria TechnoPark, Tunisia</td>
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<tr>
<td>16:00</td>
<td>SALT MARSH MACROPHYTE PHRAGMITES AUSTRALIS STRATEGIES ASSESSMENT FOR ITS DOMINANCE IN MERCURY-CONTAMINATED COASTAL LAGOON (RIA DE AVEIRO, PORTUGAL)</td>
<td>N.A. Anjum, I. Ahmad, M. Válega, M. Pacheco, A.C. Duarte, and E. Pereira</td>
<td>University of Aveiro, Centre for Environmental and Marine Studies (CESAM), Portugal</td>
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<tr>
<td>17:00</td>
<td>GEOPHYSICAL METHODS APPLIED FOR CHARACTERIZATION OF ALLUVIAL SOILS NEAR ROSSLAU (GERMANY)</td>
<td>D. Jordanova, N. Jordanova, and U. Werban</td>
<td>Sofia University, Faculty of Physics, Dept. Meteorology and Geophysics, Bulgaria</td>
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<tr>
<td>20:30</td>
<td>Gala Dinner</td>
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**Soil quality and pollution**

**Poster Discussion**

**Coffee Break at Poster Room**

**Preliminary Program**
01-p-01  SOME ASPECTS OF FEEDING ECOLOGY OF GRASS CARP (Ctenopharyngodon idella Valenciennes, 1844) IN POLYCULTURE SYSTEMS
Laboratory of Aquaculture and Fishery, Albania
M. Bllaca and V. Spaho

01-p-02  DISTRIBUTION OF CHLOROPHYLL A IN LAGOON OF BUTRINT WATERS COMPARING WITH ENVIRONMENT FACTORS (ALBANIA)
L. Gjyli, J. Kolitari, L. Mukli, and S. Gjyli
University “Aleksander Moisiu”, Dept. of Medicine, Albania

01-p-03  BIOPHYSICAL PROCESSES IN SHKODRA LAKE, ALBANIA - A CASE STUDY ON THE POSSIBLE MODELING OF NUTRIENT BALANCE
Malollari Ilirjan, Bacu Ariola, Uku Skender
University of Tirana, Dept of Industrial Chemistry, Albania

01-p-04  PROTECTION OF RANA EPEIROTICA IN ALBANIAN AREA BY ANTHROPOLOGICAL AND CLIMATIC FACTORS
S. Oruci and G. Paspali
University of Gjirokastra, Dept. of Biology, Albania

01-p-05  DETERMINATION OF THE CONCENTRATIONS OF DISINFECTION BY-PRODUCTS IN DRINKING WATER FROM 4 CITIES IN ALBANIA
L. Tafaj, L. Molla, F. Lila, D. Bocari, V. Pashaj, A. Luzati
Institute of Public Health, Albania

01-p-06  SURVIVAL OF ANISAKIS SPP. LARVAE DIRECTLY EXPOSED TO DIFFERENT SOLUTIONS USED FOR FISH MARINATION
V. Šimat*, M. Krželj* and V. Poljak
University of Split, Centre of Marine Studies, Croatia

01-p-07  ADVANCED AQUATIC TOOLS FOR SUSTAINABLE POLLUTION RISK MANAGEMENT. AN INNOVATIVE APPLICATION IN CYPRUS
Terra Cypria, Cyprus

01-p-08  TREATED WASTEWATER MANAGEMENT IN GREATER MEDITERRANEAN CITIES. ALEXANDRIA, A CASE STUDY
E.M. Abd EL Lateef and J.E. Hall
National Research Center, Agricultural division, Field Crop Research Dept, Egypt

01-p-09  EFFECT OF IRRIGATION WITH SECONDARY TREATED WASTEWATER ON CROP, SOIL AND GROUNDWATER SAFETY
E. M. Abd EL Lateef, J.E. Hall, and M.S. Negm
National Research Center, Agricultural division, Field Crop Research Dept, Egypt

01-p-10  CHEMICAL SPECIATION AND CONTAMINATION ASSESSMENT OF PB AND V BY SEQUENTIAL EXTRACTION IN SURFACE SEDIMENT OFF NILE DELTA, EGYPT
M.A.M. Abdallah
National Institute of Oceanography and Fisheries, Marine Environment-Pollution Lab, Egypt

01-p-11  MEASUREMENT UNCERTAINTY ARISING FROM TRUENESS OF THE ANALYSIS OF TWO ENDOCRINE DISRUPTORS AND THEIR METABOLITES IN NATURAL WATERS AND SEDIMENTS
V.I. Boti, V.A. Sakkas, and T.A. Albanis
University of Ioannina, Lab. of Environmental Technology, Greece

01-p-12  REMOVAL OF ESTROGENS AND PATHOGENS FROM SECONDARY TREATED WASTEWATER BY SOLAR PHOTOCATALYTIC TREATMENT
S. Fanourgakis, Z. Frontisitis, E. Chatzisymeon, D. Venieri, and D. Mantzavinos
Technical University of Crete, Dept. of Environmental Engineering, Greece
01-p-13  RADIOISOTOPE EXCITED ENERGY DISPERSIVE XRF MEASUREMENTS OF HEAVY METALS IN CORE SAMPLES FROM THE PAMVOTIS LAKE IN EPIRUS, NORTHWESTERN GREECE  
H. Tziamou, K. Stamoulis, C. Markantonaki, and K. Ioannides  
University of Ioannina, Nuclear Physics Laboratory, Greece

01-p-14  VERTICAL DISTRIBUTION OF 137Cs IN SEDIMENT CORES SAMPLED IN THE PAMVOTIS LAKE, NORTHWESTERN GREECE  
C. Markantonaki, K. Stamoulis, H. Tziamou, and K. Ioannides  
University of Ioannina, Nuclear Physics Laboratory, Greece

01-p-15  MONTHLY VARIATION IN METAL (Mn, Zn, Cu, Pb, Co, Cd) ACCUMULATION IN VARIOUS ANATOMICAL FRACTIONS OF THE SEAGRASS CYMODOCEA NODOSA IN THERMAIKOS GULF, NORTHERN AEGEAN SEA  
P. Malea, T. Kevrekidis, M. Potouroglou, M. Seferlis, and C. Zikidou  
University of Thessaloniki, Institute of Botany, Greece

01-p-16  THE ROLE OF SURFACE CONFIGURATION ON ARSENIC ADSORPTION BY IRON-BASED OXY-HYDROXIDES  
S. Tresintsi, K. Palios, K. Simeonidis, R. Tzimou-Tsitouridou, and M. Mitrakas  
University of Thessaloniki, Dept. of Chemical Engineering, Greece

01-p-17  RISK ASSESSMENT OF CYANOBACTERIAL BLOOM IN LAKE PAMVOTIS (NW GREECE)  
Management Body of Lake Karla, Greece

01-p-18  PAST, PRESENT AND FUTURE CONCEPTS FOR CONSERVATION OF THE RE-CONSTRUCTED LAKE KARLA (THESSALY)  
Management Body of Lake Karla, Greece

01-p-19  SILICA-MODIFIED MAGNETITE NANOPARTICLES WITH CETYLPYRIDINIUM BROMIDE FOR THE PRECONCENTRATION OF METALS AFTER COMPLEXATION WITH 8-HYDROXYQUINOLIN  
A.E. Karatapanis, Y. Fiamegos, and C.D. Stalikas  
University of Ioannina, Dept. of Chemistry, Greece

01-p-20  PERSISTENT ORGANIC POLLUTANTS IN MARINE SEDIMENTS OF MEDITERRANEAN AND BALTIC SEA  
E. Terzopoulou and D. Voutsia  
University of Thessaloniki, Chemistry Dept, Greece

01-p-21  QUANTIFICATION OF CONSTRUCTED WETLAND EVAPOTRANSPIRATION USING LYSIMETERS  
V. Papaevangelou, V.A. Tsihrintzis, G.D. Gikas, and M. Tzemprailidou  
Democritus University of Thrace, Environmental Engineering, Greece

01-p-22  DISSIPATION OF FENOXAPROP-P-ETHYL AND FORMATION OF FENOXAPROP-P IN LABORATORY AS WELL AS FIELD ECOSYSTEM WATER SAMPLES  
P. Pythoglou, Z. Vryzas, C. Alexoudis, S.A. Senseman, and G. Vassiliou  
Democritus University of Thrace, Dept. of Agricultural Development, Greece

01-p-23  REMOVAL OF PHOSPHATE FROM NATURAL WATERS USING INNOVATIVE MODIFIED CLAYS  
M. Zamparas, I. Zacharias  
University of Ioannina, Dept of Environmental and Natural Resources Management, Greece

01-p-24  APPLICATION OF CARBON DIOXIDE SUPERCRITICAL FLUID FOR EXTRACTION OF HEAVY METALS FROM ENVIRONMENTAL SAMPLES  
S.M. Talebi, M. Gheisari, and Md Jelas-Haron  
University of Isfahan, Dept of Chemistry and Environmental Science, Iran

01-p-25  HYDROGEOPHYSICAL APPROACH TO MEASURE HYDRAULIC PARAMETERS ON UNSATURATED ROCKS  
M. C. Caputo, L. De Carlo and R. Masciale  
Italian National Research Council, Water Research Institute - I.R.S.A., Italy
01-p-26  QSAR PREDICTION OF AQUATIC TOXICITY OF TRIAZOLES AND BENZO-TRIAZOLES  
S. Cassani, E. D’Onofrio, S. Kovarich, E. Papa, P.P. Roy, and P. Gramatica  
University of Insubria, Dep. of Structural and Functional Biology - QSAR Research Unit, Italy

01-p-27  TRACE METALS ACCUMULATION IN SEDIMENT AND IN DIFFERENT ORGANS OF PHRAGMITES COMMUNIS TRIN. ALONG THE CALORE RIVER  
S. Papa, G. Bartoli, and A. Fioretto  
Seconda Università di Napoli, Dipartimento di Scienze della Vita, Italy

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D. Drakulovic, N. Vuksanovic, and S. Krivokapic  
Institute of Marine Biology, Montenegro

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M. Mitric, D. Drakulovic, B. Pestoric, A. Castelli, and Z. Kljajic  
Institute of Marine Biology, Montenegro

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L. Buga  
National Institute for Marine Research and Development "Grigore Antipa"  
300 Mamaia Blvd., Romania

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G. Devic, S. Sakan, and D. Djordjevic  
University of Belgrade, IChTM - Dept. of Chemistry, Serbia

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S. Sakan, D. Đorđević, G. Dević, D. Relić, I. Andelković, and J. Durićić  
University of Belgrade, IChTM - Dept. of Chemistry, Serbia

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A. Akpinar, M.I. Kömürcü, and R. Acar  
Gümüşhane University, Civil Engineering Department, Turkey

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M. Balcı, T. Durmuş, and N. Balkis  
Istanbul University, Institute of Science, Turkey

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A. Bayram and H. Onsoy  
Karadeniz Technical University, Dept. of Civil Engineering, Turkey

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B. Esin and K. Sedat  
Marmara University, Environmental Engineering, Turkey

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N. Elginoz, A. Koroglu, E. Oguz, and M.S. Kabdasli  
Istanbul Technical University, Vocational School, Turkey

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Istanbul Technical University, Environ. Engineering Dept., Turkey
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Tübitak-Marmara Research Center, Environment Institute, Turkey

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E. Sertel, A.L. Yagci, and D.Z. Seker
Istanbul Technical University, Geomatics Engineering Dept, Turkey

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M. Topcu Sulak, C.I Yaman Koymatcik
Karabuk University, Turkey

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E. Dernek and D. Yilmazer
Namik Kemal University, Civil Engineering Dept, Turkey

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F.A.N. Balem
Aden University, Biology Department, Yemen

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H. K. Soussa
Ain Shams University, Faculty of Engineering, Egypt

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S. Foteinis, C. Synolakis, N. G. Kallithrakas-Kontos
Technical University of Crete, Dept of Science, Greece

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G. Kehayias, E. Doulka, A. Gianni and I. Zacharias
University of Western Greece, Dept of Environmental and Natural Resources Management, Greece

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E. Kondili and J.K. Kaldellis
TEI of Piraeus, Dept. of Mech. Engineering, Greece

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K. Movassaghi and H. Yaghoobejad
University of Esfahan, Faculty of Sciences, Department of Chemistry, Iran

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E. Ferretti, D. Maresca, E. Veschetti, and M. Ottaviani
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K. Xhaxhiu, A. Mele, A. Korpa, B. Seiši, K. Dule, and T. Kota
Faculty of Natural Sciences, Dept. of Chemistry, Albania
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L. Capka, P. Lacina, and M. Vávrová  
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Brno University of Technology, Inst. of Chemistry and Technology of Environmental Protection, Czech Republic

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Brno University of Technology, Inst. of Chemistry and Technology of Environmental Protection, Czech Republic

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A. Lieflaender & F. X. Bogner  
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University of the Aegean, Dept. of Marine Sciences, School of the Environment, Greece

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C. Tsekos, D. Theocharopoulos, C. Terzidis, and D. Matthopoulos  
University of Western Greece, Dept. of Environmental and Natural Resources Management, Greece

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C. Tsekos, D. Theocharopoulos, C. Terzidis, and D. Matthopoulos  
University of Western Greece, Dept. of Environmental and Natural Resources Management, Greece

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University of Bari, Dept. of Chemistry, Italy
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Istanbul University, Dept. of Maritime Transport and Management Engineering, Turkey

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Ege University. Sociology Department and Applied Environmental Research Centre, Turkey

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B.H. Gürsoy, E. Atasoy, Y. Soysal, S. Ayaz, and I. Akça
Tübitak-Marmara Research Center, Environment Institute, Turkey

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A. Shehu and P. Lazo
University of Tirana, Fac. of Natural Sciences, Dept. of Chemistry, Albania

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F.-Z. Afri-Mehennaoui, L. Sahli, H. Djeddi, and S. Mehennaoui
Université Mentouri de Constantine, Lab. of Biology and Environment, Algeria

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A. Krika, O. Rached, and M. El Hadef El Okki
Mentouri University, Biology and Environment Lab., Algeria

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University M'hamed Bougara Boumerdès, Petrochemical Synthesis Laboratory: Ergonomics and Environmental Protection, Algeria

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N. Jordanova, Tz. Kotsev, and D. Jordanova
National Institute of Geophysics, Geodesy and Geography, Dept. of Geophysics, Bulgaria

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A. Dados, K. Demetriou, M. Omirou, P. Eleftheriou, and C. Papastefanou*
cp FOODLAB LTD, Cyprus

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A. Dados, E. Karabika, C. Drainas, A. Koukkou, and G. Pilidis
cp FOODLAB LTD, Cyprus

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H. Doležalová and H. Žajglová
Brno University of Technology, Inst. of Chemistry and Technology of Environmental Protection, Czech Republic

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Brno University of Technology, Inst. of Chemistry and Technology of Environmental Protection, Czech Republic
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Brno University of Technology, Inst. of Chemistry and Technology of Environmental Protection, Czech Republic

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University of Athens, Faculty of Geology and Geoenvironment, Greece

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Aristotle University, Department of Ecology, Greece

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K.F. Filiou, H.G. Sachanidis, and F.F. Pavloudakis
University of Western Macedonia, Environmental Technology Laboratory, Greece

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I. Kosmopoulos and A-M. Kosmopoulos
Democritus University of Thrace, Dept. of Environmental Engineering, Greece

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P. Kosmopoulos and C. Papanastasiou
Democritus University of Thrace, Dept. of Environmental Engineering, Greece

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P.-A. Palasantza and C. Samara
Aristotle University of Thessaloniki, Envir. Poll. Control Lab, Greece

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Univ. of West Macedonia, Department of Pollution Control Technologies, Greece

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S. Papa, G. Bartoli, and A. Fioretto
Seconda Università di Napoli, Dipartimento di Scienze della Vita, Italy

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A. Dekayir and Z. Ould Arby
Faculty of Sciences, Dept. of Earth Sciences, Morocco

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E. Gament, G. Plopeanu, C.E. Gament, and N.Vrinceanu
National Research and Development Institute for Soil Science, Agrochemistry and Environment - ICPA, Pollution and Soil Rehabilitation Lab., Romania

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Southern Federal University, Faculty of Biology and Soils, Russia
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Southern Federal University, Biological Faculty, Ecology and Natural Management Dept., Russia

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O.A. Kapralova, E.V. Molchanova, M.A. Kutrovskiy, and S.I. Kolesnikov  
Southern Federal University, Biological Faculty, Ecology and Natural Management Dept., Russia

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T.V. Denisova, K.H. Kazeev, and S.I. Kolesnikov  
Southern Federal University, Biological Faculty, Ecology and Natural Management Dept., Russia

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M.S. Mazanko, T.V. Denisova, and S.I. Kolesnikov  
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V. González, I. García, M. Simón, F. del Moral, S. de Haro, and J.A. Sánchez  
University of Almería, Dpto. Edafología y Química Agrícola, Spain

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F. Bektas Balcik, C. Göksel, H. Eşbah Tuncay, G. Bozkaya, A.Ö. Doğru, N. Uluğtekin, and S. Sözen  
Istanbul Technical University, Geodesy and Photogrammetry Department, Remote Sensing Division, Turkey

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U.B. Celebi, T. Akanlar, and N. Vardar  
Yildiz Technical University, Naval Architecture and Marine Engineering Dept., Turkey

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M. Çetin and S. Çetin  
Suleyman Demirel University, Forest Engineering Dept., Turkey

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E. Ubay Cokgor, E. Pehlivanoglu-Mantas, D. Okutman Tas, G. Insel, and D. Orhon  
Istanbul Technical University, Civil Engineering Faculty, Dept. of Environ. Eng., Turkey

04-p-33 ENVIRONMENTAL IMPACT ANALYSIS OF QUARRYING ACTIVITIES ESTABLISHED ON AND NEAR RIVER BED BY USING REMOTELY SENSED DATA  
O. Ozcan, N. Musaoglu, and D. Z. Seker  
Istanbul Technical University, Center for Satellite Communications and Remote Sensing, Turkey
### Monday 26th of September

#### Conference room A

**Food safety and quality**

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<td>D. Liem</td>
<td>European Food Safety Authority, Head of Unit of the Scientific Committee and Advisory Forum, Italy</td>
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<td>THE SCIENTIFIC PANEL ON FOOD ADDITIVES AND NUTRIENT SOURCES ADDED TO FOOD OF THE EUROPEAN FOOD SAFETY AUTHORITY AND 1ST CONTRIBUTION TO FOOD SAFETY IN EUROPE</td>
<td>M. Lahaniatis, H. Kenigswald, J.Ch. Larsen, I.M.C.M. Rietjens, I. Pratt, F. Aguilar, and D. Gott European Food Safety Authority (EFSA), Food Additives and Nutrient Sources Unit (ANS), DUS A 01/004, Italy</td>
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<td>1010</td>
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<td>ASSESSING SALINITY IN TOMATO PLANTS BY USING REFLECTANCE SPECTROSCOPY</td>
<td>N. Goldshleger and A. Chudnovsky Ministry of Agriculture, Soil Conservation and Drainage Division, Israel</td>
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<td>1050</td>
<td>02-o-04</td>
<td>HEAVY METALS IN RAW AND PAN-FRIED MEDITERRANEAN FISH AND SEA FOOD</td>
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#### Waste to energy

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<td>CHARACTERISATION OF STEAM-EXTRACTION PROGRESS OF SOME MEDICINAL PLANTS BASED ON THE EVOLUTION OF PHYSICAL-CHEMICAL PARAMETERS OF THEIR HYDROLATES</td>
<td>K. Xhaxhiu, R. Terziu, A. Mele, E. Troja, and T. Kota Faculty of Natural Sciences, Dept. of Chemistry, Albania</td>
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<tr>
<td>1110</td>
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<td>DETERMINATION OF HEAVY METALS IN THE ZEBRA MUSSEL DREISSENA POLYMORPHA (PALLAS, 1771) AND FRESHWATER MUSSEL UNIO ELONGATULUS EUCIRRUS (BOURGUIGNAT, 1860) COLLECTED FROM KEBAN DAM LAKE, TURKEY</td>
<td>E. Can, Ö. Aksu, G. Kehayias, F. Kutluyer, M. Yabanli, Ş. Seyhaneyildiz Can, and B. Kutlu Tunceli University, Faculty of Fisheries, Turkey</td>
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<tr>
<td>1200</td>
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<td>TASTE AND ODOR IN DRINKING WATER OF TIRANA: ORIGINS AND ANALYSIS</td>
<td>L. Vallja and A. Çullaj University of Tirana, Dept. of Chemistry, Albania</td>
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**Impact of climate change in the Mediterranean area**

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<td>1200</td>
<td>07-o-01</td>
<td>A PROPOSAL FOR INTEGRATED MUNICIPAL SOLID WASTE MANAGEMENT IN GREECE</td>
<td>E. Voutsas, K. Magoulas, and D. Tassios National Technical University Of Athens, School of Chemical Engineering, Greece</td>
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<td>OIL &amp; GAS IN THE MEDITERRANEAN, RISKS &amp; OPPORTUNITIES</td>
<td>F. Andritsos European Commission, J.R.C. - Ispra, Institute for the Protection and Security of the Citizen, Italy</td>
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<td>M. Zucchetti Politecnico di Torino, DENER - Dipartimento di Energetica, Italy</td>
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<td>Time</td>
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<tr>
<td>14:00</td>
<td>Determination of water surface changes and landuse changes of Acigöl</td>
<td>Determination of water surface changes and landuse changes of Acigöl (Turkey) - Urmia (Iran) Lakes’ Vicinity Using Multi-temporal Satellite Imageries</td>
<td>I. Akar</td>
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<tr>
<td>15:00</td>
<td>Modelling river flow rate and water level variations under global climate change</td>
<td>Modelling river flow rate and water level variations under global climate change</td>
<td>Ch. Skoulikaris, J. Ganoulis, A. Zafeirakou, and J.-M. Monget</td>
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<td>16:00</td>
<td>Coffee Break at Poster Room</td>
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<td>16:30</td>
<td>Poster Discussion</td>
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<td>17:00</td>
<td>Game theory evaluation of environmental cost effects on the decision making process</td>
<td>Game theory evaluation of environmental cost effects on the decision making process</td>
<td>A. Başaran Uysal and F. Bölen</td>
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<td>17:30</td>
<td>Description of the mechanism leading to the development of anoxic zone: the case study of Amvrakikos Gulf, Greece</td>
<td>Description of the mechanism leading to the development of anoxic zone: the case study of Amvrakikos Gulf, Greece</td>
<td>K. Kountoura and I. Zacharias</td>
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<td>18:00</td>
<td>Climate change and projected impacts on water resources in Thessaly</td>
<td>Climate change and projected impacts on water resources in Thessaly</td>
<td>I. Theloura and A. Liakopoulos</td>
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**Conference room B**

Agricultural, domestic and industrial waste

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<td>Anaerobic digestion of semi-solid canteen wastes and cattle manure: a real life scenario</td>
<td>Anaerobic digestion of semi-solid canteen wastes and cattle manure: a real life scenario</td>
<td>I. Zarkadas, G. Pilidis, D. Alivertis, E. Angeli and T. Giannopoulos</td>
<td>University of Ioannina, Department of Biological Applications and Technologies, Greece</td>
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<td>10:00</td>
<td>Assessment of agriculture contribution on lake eutrophication</td>
<td>Assessment of agriculture contribution on lake eutrophication</td>
<td>B. Hoxha, F. Cane, M. Avdolli, and A. Dauti</td>
<td>“Aleksander Xhuvani” University, Dept. of Biology and Chemistry, Albania</td>
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<td>10:30</td>
<td>Effective waste management model for ship life cycle assessment (LCA)</td>
<td>Effective waste management model for ship life cycle assessment (LCA)</td>
<td>U.B. Celebi, G.Aydin, and G.Alkan</td>
<td>İstanbul University, Dept. of Maritime Transport and Management Engineering, Turkey</td>
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<td>11:00</td>
<td>Coffee Break at Poster Room</td>
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Preliminary Program
Monday 26th of September

**11:00 - 11:20**

Preliminary Study on the Effects of Olive Oil Wastes on Ecosystems of Messinia, Greece

Hellenic Center for Marine Research, Inst. of Oceanography, Greece

**11:20 - 11:40**

Startup and Operation of a Continuous Composting Unit Operating with Canteen Solid Wastes - Focusing on Carbon Balance

G. Pilidis, E. Angeli, I. Zarkadas, and E. Voudrias
University of Ioannina, Dept. of Biological Applications and Technologies, Greece

**11:40 - 12:00**

Modelling of MBR Treating Grey Water

S. Murat Hocaoglu, E.A. Atasoy, A. Baban, and D. Orhon
TÜBİTAK Marmara Research Center, Environment Institute, Turkey

**12:00 - 12:20**

Use of Green Inhibitors for Corrosion Protection as a Friendly Choice in Environment Protection

A. Lame, E. Kokalari, and L. Rapo
Tirana University, Dept. of Chemistry, Albania

**12:20 - 12:40**

Effect of Medium Composition on the Biodegradation of Olive Mill Wastewater Phenolics by Debaryomyces Hansenii

A. Karakaya, Y. Laleli, and S. Takaç
Ankara University, Dept. of Chemical Engineering, Turkey

**12:40 - 14:10**

Lunch

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**Renewable energy sources**

**14:10 - 14:30**

Multispecies Laboratory Experiments to Study the Effect of Competition in Microalgae Mass Cultures for Biodiesel Production

M. Mingazzini and M.T. Palumbo
IRSA-CNR, Dept. of Ecotoxicology, Italy

**14:30 - 14:50**

Energy Efficiency Evaluation of a Public Building in Greece, Using Appropriate Software and Applied R.E.S.

I. Kosmopoulos and S. Zoras
Democritus University of Thrace, Dept. of Environmental Engineering, Greece

**14:50 - 15:10**

Situation and Perspectives for Solar Energy in Europe and a Comparison with Nuclear Energy after Fukushima

Y. G. Caouris, P. Rocco, and M. Zucchetti
IRSA-CNR, Italy

**15:10 - 15:30**

Construction and Evaluation of a Bread-Box Type, Low Cost, Solar Water Heater

Y.G. Caouris and S.E. Pnevmatikakis
University of Patras, Dept. of Mechanical Engineering & Aeronautics, Greece

**15:30 - 15:50**

Renewable Energy: Educational Modules for Sustainable Development

Y. Larsen and F. X. Bogner
Department of Biology, University of Bayreuth, Germany

**15:50 - 16:30**

Coffee Break at Poster Room

**16:30 - 17:30**

Poster Discussion

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**Solid waste management (in Greek)**

**17:30 - 18:00**

Integrated Municipal Solid Waste Management: A Systems Approach

E. Handakas and D.A. Sarigiannis
Aristotle University of Thessaloniki, Dept. of Chemical Engineering, Greece

**18:00 - 19:00**

Round Table Discussion
### Posters

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<td>S. Abazi, K. Taraj, A. Cela, and J. Salihila</td>
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<td>Brno University of Technology, Faculty of Chemistry, Czech Republic</td>
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<td>IRNAS-C.S.I.C., Dept. of Agrochemistry And Soil Conservation, Spain</td>
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<td>Aristotle University of Thessaloniki, Fac. of Agriculture, Lab. of Alternative Energy Sources in Agriculture, Greece</td>
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<td>University of Piraeus, Dept. of Maritime Studies, Greece</td>
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<td>F. Sakellariadou University of Piraeus, Dept. of Maritime Studies, Greece</td>
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<td>I. Kabdaşlı, O. Tünay, K. Konuk, G. Etçioğlu, and E. Kocabas, İstanbul Technical University, Civil Engineering Faculty, Turkey</td>
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<td>A. Karakaya, Y. Laeleli, and S.Takaç Ankara University, Institute of Biotechnology, Turkey</td>
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<td>B. Uçar, A. Güvenc, and Ü. Mehmetoğlu Ankara University, Faculty of Engineering, Dept. of Chemical Eng., Turkey</td>
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03-p-27  THE HEAVY METAL ACCUMULATION IN THE LIVER OF STRIPE NECKED TURTLE (Mauremys rivulata) (TESTUDINATA: BATAGURIDAE), DISTRIBUTED IN ANTALYA  
N. Ergünener Aktaş, Ö. Aktaş, M. Yavuz, and M. Öz  
Akdeniz University, Faculty of Science, Dept. of Biology, Turkey

03-p-28  CHARACTERIZATION OF SEWAGE SLUDGE FROM MUNICIPAL WASTEWATER TREATMENT PLANTS LOCATED IN ISTANBUL, TURKEY  
H. Sarı, S. Yazıcı, G. Varank, A. Demir, and M.S. Bilgili  
Yıldız Technical University, Dept.of Environmental Engineering, Turkey

03-p-29  CONCEPTUAL BASIS FOR EXTREMELY HIGH RATE MEMBRANE BIOREACTOR TARGETTING CARBON REMOVAL AND RESOURCE RECOVERY  
D. Orhon, S. Sởen, and S. Teksoy Başaran  
Istanbul Technical University, Environmental Engineering Dept., Turkey

03-p-30  EVALUATION OF COMPOST QUALITY STANDARDS  
B. Topkaya  
Akdeniz University, Faculty of Engineering, Dept. of Environ. Engineering, Turkey

03-p-31  ENVIRONMENTAL AND ECONOMIC ASPECTS OF SOLID WASTE MANAGEMENT IN ANTALYA  
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Yıldız Technical University, Dept.of Environmental Engineering, Turkey

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Süleyman Demirel University, Chemical Engineering Dept., Turkey

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M. Yurdakul, D. Ünver, I. Yılmaz, and B. Topkaya  
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N. Saadaoui, N. Boukachaba, A. Hallaf, A. Naylo and K. Fares  
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S.-A. Theofanidis, A. Papagiannakis, S. Semelidis, and D.A. Sarigiannis  
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11-p-02  INVESTIGATION OF SLAGGING/FOULING AND ENVIRONMENTAL IMPACT OF ASHES PRODUCED FROM CO-COMBUSTION OF URBAN WASTES WITH LIGNITE  
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Tunceli University, Faculty of Fisheries, Turkey

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H. Mankollı and S. Dursun  
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</tr>
<tr>
<td>06-p-19</td>
<td>ANALYSIS OF URBAN ENVIRONMENTS USING V-I-S COMPONENTS ANALYSIS</td>
<td>S. Kaya, D.Z. Seker, and A. Tanik</td>
<td>Istanbul Technical University, Geomatics Engineering Department, Turkey</td>
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<td>06-p-20</td>
<td>ANALYSIS OF ENTERIC BACTERIA DISTRIBUTION IN THE GULF OF GEMLIK (MARMARA SEA) BY MEANS OF GIS</td>
<td>N. Sivri, M. Balci, T. Durmuş, D.Z. Seker, and N. Balkıs</td>
<td>Istanbul University, Dept. of Environmental Engineering, Turkey</td>
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<tr>
<td>06-p-21</td>
<td>WATER FOOTPRINT OF TOURISM IN THE MEDITERRANEAN REGION</td>
<td>B. Topkaya</td>
<td>Akdeniz University, Faculty of Engineering, Dept. of Environ. Engineering, Turkey</td>
</tr>
<tr>
<td>06-p-22</td>
<td>THE APPLICATION OF ISO 14064 IN TURKEY</td>
<td>F. Uysal and A. Hanedar</td>
<td>Namik Kemal University, Environmental Engineering Dept., Turkey</td>
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<td>06-p-23</td>
<td>THE INFLUENCE OF 6-BENZYLAMINOPURINE (6-BA, BAP) IN CAPACITY OF MICROPAPAGATION OF LATERAL BUDS AND SPROUT OF ROOTSTOCK GRAPEVINE 1103 PAULSEN &amp; KOBBER</td>
<td>E. Kukali, E. Kongjika and A. Leva</td>
<td>Agricultural University of Tirana, Dept of Horticulture, Albania</td>
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### Tuesday 27th of September

**Conference room A**

**Outdoor and indoor air quality and pollution**

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<th>Time</th>
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<tr>
<td>0900</td>
<td>05-o-01</td>
<td>Concurrent determination of water-soluble organic compounds (WSOC) in</td>
<td>University of Crete, Dept. of Chemistry, Greece</td>
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<tr>
<td></td>
<td>Atmospheric Aerosols by NMR Spectroscopy and Mass Spectrometry</td>
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<tr>
<td>0930</td>
<td>05-o-02</td>
<td>Clearing the pollution indoors - Future needs and approaches -</td>
<td>European Commission, Joint Research Centre, Italy</td>
</tr>
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<td>1000</td>
<td>05-o-03</td>
<td>Air pollution over the Western Mediterranean: Observations from a cruise ship</td>
<td>European Commission, J.R.C. - Ispra, Institute for Environment and Sustainability, Italy</td>
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<tr>
<td>1030</td>
<td>05-o-04</td>
<td>State of air quality in Greece</td>
<td>University of West Macedonia, Dept. of Engineering and Management of Energy Resources, Greece</td>
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<tr>
<td>1050</td>
<td>05-o-05</td>
<td>Analyzing spatial interpolation methods for mapping meteorological data in Bulgaria and Turkey</td>
<td>Istanbul Technical University, Civil Eng. Faculty, Turkey</td>
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<tr>
<td>1110</td>
<td>05-o-06</td>
<td>A new model for toxicity of uranium dust</td>
<td>Politecnico di Torino, DENER - Dipartimento di Energetica, Italy</td>
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<tr>
<td>1130</td>
<td>Coffee Break</td>
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*Preliminary Program*
**Conference room B**

**Environment and human health**

**9:00 - 9:20 06-o-02**

**HOLLISTIC RIK ASSESSMENT INTEGRATED INTO THE DECISION MAKING PROCESS: THE ROLE OF SCIENTISTS IN THE RATIONAL APPLICATION OF THE PRECAUTIONARY PRINCIPLE FOR PROTECTING THE VULNERABLES**

S. Canna Michaelidou
National Committee on Environment and Children's Health, Cyprus

**9:20 - 9:40 06-o-03**

**ASSESSING THE EXPOSURE OF CYPRIOT CHILDREN AND THEIR MOTHERS TO CHEMICALS IN A HUMAN BIOMONITORING FEASIBILITY STUDY, RUN IN PARALLEL IN 16 EUROPEAN COUNTRIES, USING AN EU-HARMONIZED PROTOCOL**

A. Katsonouri, the DEMOCOPHES and COPHES consortia
Cyprus State General Laboratory, Human Biomonitoring and Industrial Products Laboratory, Cyprus

**9:40 - 10:00 06-o-04**

**CANCER RISK ATTRIBUTABLE TO PESTICIDE USE IN EUROPE**

D.A. Sarigiannis, E. Solomou, S. Nikolaki, P. Kontoroupis, and A.J. Karabelas
Aristotle University of Thessaloniki, Dept. of Chemical Engineering, Greece

**10:00 - 10:20 06-o-05**

**RESPONSE OF ANTIOXIDATIVE ENZYMES AND APOPLASTIC BYPASS TRANSPORT IN THLASPI CAERULESCENS AND RAPHANUS SATIVUS TO CADMIUM STRESS**

S. Benzarti, H. Hamdi, S. Mohri, and Y. Ono
University Libre of Tunis, Dept. of Civil Engineering, Tunisia

**10:20 - 10:40 06-o-06**

**APPLICATION OF MULTIVARIATE ANALYSIS TO DETERMINE REGIONS OF COMPARABLE IMPORTANCE WITH REGARD TO HEAVY METAL CONTAMINATION IN GROUNDWATER**

Namık Kemal University, Dept. of Civil Engineering, Turkey

**10:40 - 11:00 06-o-07**

**STUDY AND VERIFICATION OF THE CONTENT OF ARSENIC (AS) AND COPPER (CU) IN SURFACE WATER IN THE CITY OF TIRANA, ALBANIA**

M. Alushllari and N. Civici
University of Tirana, Centre of Applied Nuclear Physics, Albania

**11:00 - 11:20 06-o-08**

**TOXICITY TEST WITH ALGAE: EVALUATION OF THE SENSITIVITY RELATED TO THE USE OF BIOMASS VERSUS GROWTH RATE ENDPOINT**

M.T. Palumbo and M. Mingazzini
IRSA-CNR, Dept. of Ecotoxicology, Italy

**11:20 - 11:40 Coffee Break**

**11:40 - 12:00 06-o-09**

**ASSESSMENT OF THE EXPOSURE OF CYPRIOT CHILDREN TO ENVIRONMENTAL TOBACCO SMOKE**

A. Katsonouri, E. Demetriou, N. Michael, D. Evangelidou, and A. Hadjipanayis
Cyprus State General Laboratory, Human Biomonitoring and Industrial Products Laboratory, Cyprus

**12:00 - 12:20 06-o-10**

**ON THE USE ENVIRONMENT AND HEALTH INFORMATION SYSTEMS FOR AN INTEGRATED ASSESSMENT ON HUMAN HEALTH**

P. Kassomenos and A.N. Skouloudis
University of Ioannina, Dept. of Physics, Greece

**12:20 - 12:40 06-o-11**

**ANALYSIS OF CHLOROPHYLL-A DISTRIBUTION AT THE SOUTH-WESTERN COAST OF ISTANBUL DURING 2008-2010 USING GIS**

N. Sivr, D.Z. Seker, Ali Zan, and N. Balkis
Istanbul University, Dept. of Environmental Engineering, Turkey

**12:40 - 13:00 06-o-12**

**OIL DRILLING INDUSTRY DEVELOPMENT AND ITS ENVIRONMENTAL IMPACT IN THE OILFIELD HYDROC SYSTEM IN ALB**

I. Beqiraj, I. Malollari, A. Shkurti, D. Topi, K. Xhaxhiu, and B. Seiti
University of Tirana, Fac. of Natural Sciences of Chemistry, Albania
<table>
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<th>Time</th>
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<tr>
<td>13:00</td>
<td>Residual Endosulfan Concentrations in Some Fish Species of Göksu Delta, North-Eastern Mediterranean</td>
<td>M. Yalvaç and F. Taner</td>
<td>Mersin University, Fac. of Engineering, Environmental Engineering Dep., Turkey</td>
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<tr>
<td>13:20</td>
<td>Some Physical and Chemical Characteristics of the Shkumbini River in Different Periods of Time</td>
<td>E. Como, E. Shehu, A. Laska Merkoçi, B. Murtaj, and M. Banja</td>
<td>Institute of Energy, Water and Environment, Dept. of Clime and Environment, Albania</td>
</tr>
<tr>
<td>13:40</td>
<td>An Assessment of Heavy Metals in the Saranda Bay, Albania</td>
<td>J. Malltezi, V. Dini, and S. Sulçe</td>
<td>Agricultural University of Tirana, Dept. of Agrienvironment and Ecology, Albania</td>
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**14:00**

Conclusions of the Symposium

**15:00**

Optional Excursion & Dinner*  

* Not included in registration fee