



Editors:
Juan Comejo, Denis Sarigiannis, Werner Bergheim

**PROGRAM
OF THE
14th INTERNATIONAL SYMPOSIUM
ON ENVIRONMENTAL POLLUTION
AND ITS IMPACT ON LIFE
IN THE MEDITERRANEAN REGION**



October 10-14, 2007
Seville – Spain



14th International Symposium
on
Environmental Pollution
and its Impact on Life
in the Mediterranean Region

with focus on
Environment and Health

October 10-14, 2007
Sevilla, Spain



organized by
Mediterranean Scientific Association
of Environmental Protection (MESAEP)

In Collaboration with

- Andalusian Government (Junta de Andalucía: Consejería de Innovación Ciencia y Empresa-IFAPA, Consejería de Agricultura y Pesca, Consejería de Medio Ambiente)
- European Commission – Joint Research Centre, Institute for Health and Consumer Protection
- Spanish Ministry of Education and Science
- Spanish Ministry of Environment
- Spanish National Research Council (CSIC)
- GSF – German Research Centre for Environment and Health, Institute of Ecological Chemistry
- University of Ioannina, Greece
- University of Bari, Italy
- Akdeniz University, Turkey
- General State Chemistry Laboratory, Ministry of Health, Cyprus
- University of Seville
- City of Seville

OBJECTIVES

The objectives of the symposium are to provide opportunities for scientists of different countries to:

- exchange recent results related to the processes of environmental pollution and its effects on public health in the Mediterranean region
- discuss current technological and legal measures to avoid or reduce the degradation of the environment
- present suggestions and recommendations to the regulatory authorities on environmental quality and safety in the Mediterranean and other neighbouring countries.

Human health is a major consideration of the EU Environmental Action Plan, and a major driver for policy in relation to environment. Environmental health effects are a significant part of the total disease burden even in developed countries. According to the World Health Organisation (WHO) circa 25-33% of the total burden of disease in industrialized countries can be attributed to environmental factors such as outdoor and indoor air pollution, inadequate water and sanitation, lead exposure, and injuries. The magnitude of burden varies among countries, but in almost all cases, the burden of disease was much higher in eastern and southeastern Europe due to a combination of climatic and socio-economic conditions, lifestyle and diet, as well as environmental quality.

This year's symposium will focus on the interconnections between the quality of the environment and human health in the Mediterranean region attempting to provide a comprehensive picture of the relative environmental burden and to elucidate the mechanisms through which environmental condition affects the state of human health. Particular attention will be paid to exposure and health effects of vulnerable population groups, such as children and women in child-bearing age. Papers reporting on results of environmental and biomonitoring, epidemiological analyses and the impact of health risk modifiers such as diet, age and lifestyle are particularly welcome. In addition, more conventional issues in environmental science, technology and management will be addressed contributing thus to improving our understanding of the state of the environment in the Mediterranean.

MAIN SUBJECTS

- Environment and Children's health
- Human exposure through food and non-food products
- Indoor air pollution
- Endocrine disrupters
- Air, soil, water pollution and management
- Waste management
- Ecosystem function and ecotoxicology
- Ecological disasters and climate change
- Environmental Education
- Research links to policy

ABOUT THE SYMPOSIUM

The 14th International Symposium on „Environmental Pollution and its Impact on Life in the Mediterranean Region“ is organized by the Mediterranean Scientific Association of Environmental Protection (MESAEP).

Since October 1979, MESAEP, a non-profit making association, has been contributing to the improvement of the Euro-Mediterranean cooperation on environmental issues. The scientific network of the association is already operational over the whole Mediterranean territory and has intensified collaborative efforts to control and preserve natural resources, protect environmental and human health, and combat pollution, erosion, and desertification in the Mediterranean region. More information on MESAEP activities can be found at the Internet address www.mesaep.net.

Previous symposia of MESAEP were held in Athens, Greece (1981), Crete, Greece (1983), Istanbul, Turkey (1985), Kavala, Greece (1987), Blanes, Spain (1989), Como, Italy (1991), Antibes, France (1993), Rhodos, Greece (1995), S. Agnello di Sorrento, Italy (1997), Alicante, Spain (1999), Limassol, Cyprus (2001), Antalya, Turkey (2003) and Thessaloniki, Greece (2005).

STRUCTURE The program of the symposium will include plenary and keynote lectures, oral presentations as well as posters. Oral and poster contributions will be regarded as scientifically equivalent in the program. Special focus will be devoted to the brief presentation of posters of original papers in full audience sessions.

All presentations (oral and posters) should be in English.

SYMPOSIUM LOCATION Seville is located in the Southwest of Spain. A provincial capital, seat of the government and parliament of the Comunidad Autónoma de Andalucía (Regional Government). It has around one million inhabitants. The city of Seville is located on the plain of the Guadalquivir river which crosses the city from North to South. The river can be navigated from Seville all the way to its outlet near Sanlúcar de Barrameda, on the Atlantic coast.

In the past the port of Seville played an important role in commerce between Spain and the Americas and it remains today one of the most active river ports of the European Union. Painters such as Velázquez, Murillo and Valdés Leal, and sculptors like Martínez Montañés were born in Seville and left behind important works. The city also assumed an important role in world literature and was the birthplace of the myth of Don Juan and operas like Carmen, Figaro, Il barbiere di Siviglia, Don Giovanni, etc.

SESSIONS

- Session 1 Research Links to Policy and Environmental Education
- Session 2 Environment and Children's Health
- Session 3 Exposure through Food and Non-Food Products
- Session 4 Air, Water, Soil Management
- Session 5 Endocrine Disrupters
- Session 6 Indoor Air
- Session 7 Waste Management
- Session 8 Ecosystem Function - Ecotoxicology
- Session 9 Ecological Disasters – Climate Change

PAPERS PUBLICATION

A book of abstracts will be distributed to all participants upon registration at the Symposium. All papers presented at the symposium will be eligible, upon refereeing, for publication in the peer-reviewed international journal FRESENIUS ENVIRONMENTAL BULLETIN (FEB), the official journal of MESAEP.

Authors are requested to submit manuscripts in electronic form and to send them directly as an e-mail attachment to PSP publishing: parlar@psp-parlar.de not later than December 19, 2007.

For the preparation of manuscripts please refer to www.psp-parlar.de

A minimum number of 25 offprints must be ordered and prepaid by the authors. Members of MESAEP, authors from developing countries and students get 50% off (except of the postage and handling fees). Subscribers of FEB receive 25 offprints free of charge.

Supplementary information about the papers publication will be also given at the Symposium information desk in Thessaloniki.

COMMITTEES Steering Committee

Prof. Juan Cornejo (ES), Prof. Nicola Senesi (IT), Prof. Bulent Topkaya (TR), Dr. Stella Michaelidou (CY), Dr. Dimosthenis Sarigiannis (GR), Dr. Manfred Kirchner (DE), Dr. Ana Paya-Perez (ES), Prof. George Pilidis (GR), Mr. Werner Bergheim (DE)

National Organising Committee

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M. Bahadir (TU Braunschweig), P. Foster (Univ. Grenoble), D. Kotzias (EC-JRC, Ispra), E. Lahaniatis (TU Munich), K. Nicolaou (OMPEPT, Thessaloniki), H. Parlar (TU Munich), A. Piccolo (Univ. Naples), F. Vosniakos (President BENA)

Wednesday, Oct.10th

- 09.00 - 13.00 Registration at Hotel Symposium desk
- 10.00 - 11.00 Official Opening Ceremony
- 11.00 - 12.00 Plenary Lecture (Prof. M. Grasserbauer)
- 12.00 - 14.30 Lunch Break
- 14.30 - 16.00 **Session 1** (Research Links to Policy and Environmental Education)
- 16.00 - 16.30 Coffee Break at Poster Room
- 16.30 - 18.00 **Session 1** (Research Links to Policy and Environmental Education)
- 19.15 Visit to Alcázar of Seville (in front of the Cathedral)
- 20.30 Welcome Cocktail at the Alcázar gardens

Thursday, October 11th

- 09.00 - 10.00 Plenary Lecture (Prof. N. Olea)
- 10.00 - 11.00 **Session 2** (Environment and Children's Health)
- 11.00 - 11.30 Coffee break at Poster room
- 11.30 - 13.00 **Session 2** (Environment and Children's Health)
- 13.00 - 14.30 Lunch Break
- 14.30 - 16.00 **Session 3** (Exposure through Food and Non-Food Products)
- 16.00 - 16.30 Coffee Break at Poster Room
- 16.30 - 17.30 **Session 3** (Exposure through Food and Non-Food Products)
- 17.30 - 18.30 Round table on Environmental Health Risk Modifiers
- 18.30 - 19.30 Poster discussion in plenary session

Friday, October 12th

- 09.00 - 10.00 Plenary Lecture (Prof. D. Barceló)
- 10.00 - 11.00 **Session 4** (Air, Water, Soil Management)
- 11.00 - 11.30 Coffee break at Poster room
- 11.30 - 13.30 **Session 4** (Air, Water, Soil Management)
- 13.30 - 15.00 Lunch Break
- 15.00 - 16.00 **Session 5** (Endocrine Disruptors)
- 16.00 - 16.30 Coffee break at Poster Room
- 16.30 - 17.30 **Session 6** (Indoor Air)
- 17.30 - 18.30 Poster discussion in plenary session
- 19.30 General Assembly of MESAEP

Saturday, October 13th

- 07.00 Excursion to Doñana National Park. Departure from Hotel Al-Andalus
- 21.00 Gala Dinner at Hotel Al-Andalus

Sunday, October 14th

- 09.00 - 10.00 Plenary Lecture (Prof. W.C. Koskinen)
- 10.00 - 11.30 **Session 7** (Waste Management)
- 11.30 - 12.00 Coffee break at Poster room
- 12.00 - 13.00 Plenary Lecture (Prof. M. Millán)
- 13.00 - 14.30 Lunch Break
- 14.30 - 16.00 **Session 8** (Ecosystem Function - Ecotoxicology)
- 16.00 - 16.30 Coffee break at Poster Room
- 16.30 - 17.30 **Session 9** (Ecological Disasters – Climate Change)
- 17.30 - 18.30 Poster discussion in plenary session
- 18.30 - 19.00 Closing Ceremony

Wednesday, Oct.10th

09.00 - 13.00 Registration at Hotel Symposium desk

10.00 - 11.00 Official Opening Ceremony

Chairpersons J.Cornejo, J.Cuartero, M.C.Hermosin, and D. Kotzias

11.00 - 12.00 Plenary Lecture

OUR ENVIRONMENT - OUR FUTURE

M. Grasserbauer

European Commission, Joint Research Centre, Institute for Environment and Sustainability, 21020 Ispra (VA), ITALY

12.00 - 14.30 Lunch Break

14.30 - 16.00 Session 1

Research Links to Policy and Environmental Education

Chairpersons R.Celis, K. Nicolaou, and D. Sarigiannis

01-o-01 SUSTAINABILITY IN ORGANIC CHEMISTRY LAB COURSES

M. Bahadir

Techn. University of Braunschweig, Inst. of Ecol. Chem. and Waste Analysis, 38106 Braunschweig, GERMANY

01-o-02 FULL-CHAIN AND UNCERTAINTY APPROACHES FOR ASSESSING HEALTH RISKS IN FUTURE ENVIRONMENTAL SCENARIOS: THE 2-FUN PROJECT

F.Y. Bois, E. Capri, E. Casimiro, P. Ciffroy, C. Cornelis, J. Gzyl, E. Johansson, A. Marcomini, T. Ocelka, D.A. Sarigiannis, G. Schüürmann, and S. Trapp
INERIS, Experimental Toxicology Laboratory, 60550 Verneuil en Hallate, FRANCE

01-o-03 MULTIVARIATE TECHNIQUES FOR THE ANALYSIS OF PARTIAL EQUILIBRIUM ENERGY MODELS RESULTS

C. Cosmi, S. Di Leo, M. Macchiato, and M. Ragosta

CNR, Istituto di Metodologie Avanzate di Analisi Ambientale, 85050 Tito Scalo (PZ), ITALY

01-o-04 HEALTH AND ENVIRONMENT NETWORK (HENVINET) - PROJECT PRESENTATION

I. Fløisand and H.T. Blindheim Jablonska

Norwegian Institute for Air Research (NILU), Urban environment and Industry Department, 2027 Kjeller, NORWAY

16.00 - 16.30 Coffee Break at Poster Room

01-p-01 ENVIRONMENTAL ATTITUDES AND VALUES IN A WILDERNESS CAMP

F.X. Bogner

University of Bayreuth, Chair of Didactics of Biology, 95447 Bayreuth, GERMANY

01-p-02 THE IMPACT OF SOCIAL DESIRABILITY ON ENVIRONMENTAL ATTITUDE AND BEHAVIOUR

B. Oerke and F.X. Bogner

University of Bayreuth, Dept. of Didactics of Biology, 95447 Bayreuth, GERMANY

01-p-03 CONTRIBUTIONS OF BIRD WATCHING AND RINGING EXCURSIONS IN ANTALYA REGION TO ENVIRONMENTAL EDUCATION

A. Erdoğan, H. Sert, H. Karaardıç, A. Aslan, and T. Albayrak

Akdeniz University, Manavgat Vocational School, 07600 Manavgat, TURKEY

01-p-04 STRATEGIC ENVIRONMENTAL ASSESSMENT. THE GREEK CORRESPONDENCE

E. Antoniou

University of Thessaly, Dept. of Planning and Regional Development, 38334 Volos, GREECE

01-p-05 ENVIRONMENTAL EVALUATION OF CONTRA FLOW BUS LANES

S. Basbas

Aristotle University of Thessaloniki, Fac. of Rural & Surveying Engineering, 54006 Thessaloniki, GREECE

01-p-06 THREAT OF URBANIZATION AND SELECTION OF ENVIRONMENTAL CONSERVATION AREAS

B. Bayram, F. Batuk, Ü. Gümüşay, D.Z. Şeker, H. Bayraktar, and O. Emem

Yildiz Technical University, Dept. of Geodesy and Photogrammetry, 34349 Istanbul, TURKEY

01-p-07 THE VALUE OF MARINE SPATIAL DATA INFRASTRUCTURE FOR INTEGRATED COASTAL ZONE MANAGEMENT

Ç. Cömert, H. Akıncı, N. Şahin, and Ö. Bahar

Karadeniz Technical University, Geodesy and Photogrammetry Department, 61080 Trabzon, TURKEY

01-p-08 THE VALUE OF SPATIAL DATA INFRASTRUCTURES FOR ENVIRONMENTAL DECISION MAKING

Ç. Cömert, H. Akıncı, N. Şahin, and Ö. Bahar

Karadeniz Technical University, Geodesy and Photogrammetry Department, 61080 Trabzon, TURKEY

- 01-p-09 MODELLING NATIONAL ENERGY SYSTEMS: A COMPREHENSIVE ASSESSMENT USING THE NEEDS-TIMES MODEL
C. Cosmi, S. Di Leo, S. Loperte, M. Macchiato, F. Pietrapertosa, M. Salvia, and V. Cuomo
CNR, Istituto di Metodologie Avanzate di Analisi Ambientale, 85050 Tito Scalo (PZ), ITALY
- 01-p-10 TURKEY'S HEALTH, SAFETY AND ENVIRONMENTAL POLICY STATEMENT
T. Turan and Z. Eren
Atatürk University, Dept. of Environmental Engineering, 25240 Erzurum, TURKEY
- 01-p-11 ENVIRONMENT POLICIES IN TURKEY
T. Turan and Z. Eren
Atatürk University, Dept. of Environmental Engineering, 25240 Erzurum, TURKEY
- 01-p-12 PBTs SCREENING BY MULTIVARIATE ANALYSIS AND QSAR MODELLING
E. Papa and P. Gramatica
University of Insubria, Dep. of Structural and Functional Biology - QSAR Research Unit, 21100 Varese, ITALY
- 01-p-13 DEVELOPMENT AND OPERATION ISSUES OF A DECISION SUPPORT SYSTEM FOR WATER MANAGEMENT IN AREAS WITH LIMITED WATER RESOURCES
E. Kondili and J. K. Kaldellis
TEI of Piraeus, Dept. of Mech. Engineering, Athens 12201, GREECE
- 01-p-14 THE USE OF ANCILLARY METEOCEAN DATA FOR THE OIL SPILL PROBABILITY ASSESSMENT IN SAR IMAGES
O. Müllenhoff, B. Bulgarelli, G. Ferraro, and K. Topouzelis
European Commission, Joint Research Centre, 21020 Ispra (VA), ITALY
- 01-p-15 THE ISHTAR SUITE: A DECISION SUPPORT TOOL FOR ENVIRONMENT AND HEALTH POLICIES
A. Agostini, M. Lelli, and E. Negrenti
ENEA, Dept. of Environment, Global Change and Sustainable Development, 00123 Rome, ITALY
- 01-p-16 URBAN AND SUBURBAN GREEN IMPROVEMENT PLANNING IN THE CITY OF VERIA, GREECE
K. Gousianopoulos, I. Stergiou, and K. Nikolaou
Org. for the Master Plan, and Environmental Protection of Thessaloniki, 54643 Thessaloniki, GREECE

- 01-p-17 AN APPROACH FOR THE ESTIMATION OF TRAFFIC NOISE COST IN THESSALONIKI
S. Basbas and K. Nikolaou
Org. for the Master Plan, and Environmental Protection of Thessaloniki, 54643 Thessaloniki, GREECE
- 01-p-18 CRITICAL REVIEW OF THE STATE OF THE ART ON CHEMICAL MIXTURE HEALTH RISK ASSESSMENT
D.A. Sarigiannis and E. Barbassa
European Commission, Joint Research Centre, 21020 Ispra (VA), ITALY
- 01-p-19 HAZARDS AND CONTINGENCY PLANNING FOR OIL SPILLS IN THE ADRIATIC (Adriatic Pipeline System-JANAF)
I. Vukadin
Institute of Oceanography and Fisheries, 21000 Split, CROATIA

16.30 - 18.00 Session 1

Research Links to Policy and Environmental Education

- 01-o-05 ON RECYCLING ENVIRONMENTAL EDUCATION e-MATERIAL TOWARDS BETTER COMMUNICATION OF ENVIRONMENTAL INFORMATION
S. Hadjileontiadou, D. Faxiridis, and G. Kekkeris
Democritus University of Thrace, School of Primary Education, 68100 Alexandroupolis, GREECE
- 01-o-06 ENVIRONMENT AND CHILDREN'S HEALTH: RESEARCH ACTIVITIES FUNDED BY THE EUROPEAN COMMISSION'S RESEARCH DIRECTORATE-GENERAL
T. Karjalainen
European Commission, Research Directorate-General, 1049 Brussels, BELGIUM
- 01-o-07 THE TRANSITION FROM THE EUROPEAN CHEMICAL BUREAU (ECB) TO THE EUROPEAN CHEMICALS AGENCY (ECHA)
S. Pakalin
Commission of the European Communities, J.R.C., Eur. Chemical Bureau, 21020 Ispra (VA), ITALY
- 01-o-08 DEVELOPMENT OF ENVIRONMENTAL GUIDELINES FOR THE REGION OF WESTERN BALKANS
D. Sanopoulos
Centre for Research and Technology Hellas (CERTH), P.O. Box 361, 57001 Thessaloniki, GREECE

19.15

Visit to Alcázar of Seville (in front of the Cathedral)

Thursday, Oct. 11th, Morning Session

09.00 - 10.00 Plenary Lecture

HUMAN EXPOSURE TO ENDOCRINE DISRUPTERS

[N. Olea](#)

Hospital University of Granada, Lab. of Medical Investigations, 18071 Granada, SPAIN

10.00 - 11.00 Session 2

Environment and Children's Health

Chairpersons [E. Marafante](#), [L. Manzo](#), and [A. Paya-Perez](#)

02-o-01 PERINATAL HEALTH RISK ASSESSMENT USING PHYSIOLOGY-BASED MODELS: THE CASE OF DIOXINS

[F. Bois](#), [D.A. Sarigiannis](#), [A. Gotti](#), and [S. Micallef](#)

INERIS, Experimental Toxicology Laboratory, 60550 Verneuil en Hallate, FRANCE

02-o-02 DEVELOPMENTAL EXPOSURE TO ORGANOPHOSPHOROUS PESTICIDES AS A RISK FACTOR FOR NEUROBEHAVIOURAL DISORDERS IN CHILDREN

[G. Calamandrei](#), [L. Ricceri](#), and [A. Venerosi Pesciolini](#)

Istituto Superiore di Sanità, Department of Cell Biology and Neuroscience, I-00161 Rome, ITALY

02-o-03 DETERMINATION OF THE EPIDEMIOLOGICAL ASPECTS OF AIR POLLUTION BY USING GIS IN ISTANBUL

[S. Alkoy](#), [U. Sahin](#), [A.O. Dogru](#), [M. Basaraner](#), [N. Ulugtekin](#), and [D.Z. Seker](#)

Istanbul Technical University, Civil Eng. Faculty, 34469 Istanbul, TURKEY

11.00 - 11.30 Coffee break at Poster room

02-p-01 COLLATING THE HEAVY METAL LEVELS WITH REGULAR CONTROLS IN CHILDREN'S BLOOD HAVING REPEATED WHEEZING DISEASE

[K.O. Akin](#), [C.H. Razi](#), [B. S. Akin](#), and [G. Yilmaz](#)

Keçiören Training and Research Hospital, Dept. of Biochemistry, 06500 Ankara, TURKEY

02-p-02 PARTICULATE MATTER PM10 AND CHILDHOOD ASTHMA IN ATHENS, GREECE

[P.T. Nastos](#), [A.G. Paliatsos](#), [K.N. Priftis](#), and [A. Zachariadi-Xypolita](#)

University of Athens, Dept. of Geography and Climatology, 15784 Athens, GREECE

02-p-03 EFFECT OF THE ENVIRONMENTAL CIGARETTE SMOKE (ECM) ON SERUM VITAMIN (A, E, C) LEVELS OF BABIES

[G. Yilmaz](#), [K.O. Akin](#), [B.S. Akin](#), and [C.H. Razi](#)

Keçiören Training and Research Hospital, Clinical of Pediatri, 06500 Ankara, TURKEY

02-p-04 ANALYSIS OF TOXIC ELEMENTS IN CHILDCARE PRODUCTS BY ICP-BASED TECHNIQUES

[P. Sancho](#), [G. Grindlay](#), [J. Mora](#), and [L. Gras](#)

University of Alicante, Departm. of Analytical Chemistry, Nutrition and Food Sciences, 03080 Alicante, SPAIN

02-p-05 NEUROPSYCHOLOGICAL ASSESSMENT OF COGNITIVE DEVELOPMENT IN CHILDREN FROM ENVIRONMENTALLY POLLUTED REGION IN SLOVAKIA

[E. Sovcikova](#), [B. Drobna](#), [D. Jureckova](#), [H-Y. Park](#), [L. Palkovicova](#), [T. Trnovec](#), and [I. Hertz-Picciotto](#)

Slovak Medical University, 83301 Bratislava, SLOVAK REPUBLIC

02-p-06 MATHEMATICAL EVALUATION OF THE RISK OF DISEASES ARISING UNDER THE ENVIRONMENT CONTAMINATION

[V.V. Kornikov](#) and [I.B. Tokin](#)

State University, Faculty of Applied Mathematics, 196066 St. Petersburg, RUSSIA

02-p-07 URBAN AIR POLLUTION, BY LICHENS BIOMONITORING AND SCHOOL ABSENTEEISM, LUCCA, ITALY

[M.A. Vigotti](#), [V. Leone](#), [A.M. Romanelli](#), [L. Tognotti](#), and [M. Pellegrini](#)

University of Pisa, Dept. of. Biology, 56126 Pisa, ITALY

02-p-08 MEASURE OF THE EXPOSITION TO VOLATILE ORGANIC COMPOUNDS (VOC'S) AND NO₂ IN VALENCIA (SPAIN)

[M.T. Bomboi](#), [R. Fernández Patier](#), [A. Aguirre](#), [A. Díaz](#), [J. Alonso](#), [A. Pérez](#), [A. Espulgues](#), [M. Andreu](#), and [F. Ballester](#)

Instituto de Salud Carlos III, Area de Contaminación Atmosférica, 28220 Majadahonda (Madrid), SPAIN

02-p-09 EXPOSURE OF CHILDREN TO PARTICULATE MATTER IN URBAN AREAS – MODEL CALCULATIONS

[I. Fløisand](#), [H. McInnes](#), [D. Broday](#), [S. Lützenkirchen](#), [W. Holländer](#), [H. Laupsa](#), [A. Bartonova](#), and [H. T. Blindheim Jablonska](#)

Norwegian Institute for Air Research (NILU), Urban environment and Industry Department, 2027 Kjeller, NORWAY

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- 02-p-10 PREDICTION OF POLYCYCLIC AROMATIC COMPOUNDS' MUTAGENICITY AND GENOTOXICITY BY QSAR CLASSIFICATION MODELS
[P. Pilutti, E. Papa and P. Gramatica](#)
University of Insubria, Dep. of Structural and Functional Biology - QSAR Research Unit, 21100 Varese, ITALY
- 02-p-11 SPATIAL DISTRIBUTION OF PM1 AND HEALTH IMPACTS IN ATHENS, GREECE
[K.N. Grigoropoulos, P.T. Nastos, G. Feredinos, A. Gialouris, D. Avgeri, T. Vassiliou, J. Mavroidakos, S. Malamos, M. Krumbholz, V. Kalabokis, E. Klinaki, D. Saratsiotis, C. Rifiotis, and T. Klinakis](#)
University of Patras, Dept. of Geology and Environment, 26500 Patras, GREECE
- 02-p-12 MUTAGENETIC EFFECTS ON MICE EXPOSED TO RADON-222 EMISSIONS IN LAZIO (ITALY)
[L.A. Ieradi, M. Cristaldi, A. Ermenegildi, L. La Barbera, L. Radicchi, F. Renzopoli, M. Esposito, F. Aumento, and S. Lombardi](#)
University Di Roma „La Sapienza“, Institute of Ecosystem Study, 00161 Roma, ITALY
- 02-p-13 EFFECT OF COASTAL TOURISM ON ENVIRONMENT, SEAWATER QUALITY AND PUBLIC HEALTH
[G. Kocasoy](#)
Bogazici University, Inst. of Environ. Science, Istanbul, TURKEY
- 02-p-14 RECOMMENDATIONS OF IFCS: "PROTECTING CHILDREN FROM HARMFUL CHEMICAL EXPOSURE"
[V. Monti and L. Corra](#)
Asociación Argentina de Médicos por el Medio Ambiente, AAMMA, , Buenos Aires City, ARGENTINA
- 02-p-15 CHILD AND TEENAGER LABOR: EXPOSURE TO PESTICIDES AT RURAL FAMILY WORK
[V. Monti and L. Corra](#)
Asociación Argentina de Médicos por el Medio Ambiente, AAMMA, , Buenos Aires City, ARGENTINA
- 02-p-16 HEAVY METALS PARTITIONING AS BASE FOR RISK ASSESMENT IN URBAN ENVIRONMENT
[J. A. Acosta, A. Faz, J.M. Arocena, and S. Martínez-Martínez](#)
Technical University of Cartagena, Dept of Agrarian Science and Technology, 30230 Cartagena, SPAIN

11.30 - 13.00 Session 2

Environment and Children's Health

- 02-o-04 RECENT CHANGES OF CHILDREN'S MORBIDITY IN ONE INDUSTRIAL REGION
[G.F. Filimonova and I.B. Tokin](#)
State Medical Academy, Dept. of Histology and Cytology, St-Petersburg 195067, RUSSIA
- 02-o-05 THE IMPACT OF CHEMICALS ON CHILDREN WITH FOCUS ON ENDOCRINE DISRUPTORS AND CARCINOGENS
[St. Canna-Michaelidou](#)
State General Laboratory, Environmental Chemistry, Ecotoxicology, Pesticides and Radioactivity, 1451 Nicosia, CYPRUS
- 02-o-06 PRACTICAL TOOLS TO CREATE CAPACITY ON CHILDREN'S ENVIRONMENTAL HEALTH "EXPERIENCES BUILDING PROFESSIONAL PEDIATRIC ENVIRONMENT AND HEALTH CAPACITY: LESSONS FROM LATIN AMERICA"
[V. Monti and L. Corra](#)
Asociación Argentina de Médicos por el Medio Ambiente, AAMMA, Buenos Aires City, ARGENTINA

13.00-14.30 Lunch Break

Thursday, Oct. 11th, Afternoon Session

14.30 - 16.00 Session 3

Exposure through Food and Non-Food Products

Chairpersons [S. Canna-Michaelidou](#), [D. Kotzias](#), and [J.J. Ortega](#)

03-o-01 MODELLING THE TRANSFER OF METALS IN THE ATMOSPHERE AND IN AGROSYSTEMS FOR ASSESSING EXPOSURE OF HUMANS – APPLICATION TO INDUSTRIAL RELEASES IN A MEDITERRANEAN REGION

[S. Quéguiner](#), [P. Ciffroy](#), and [Y. Roustan](#)

Electricité De France, Dept. Laboratoire National d'Hydraulique et Environnement, 78401 Chatou, FRANCE

03-o-02 DISTRIBUTION ASPECTS OF TOXIC TRACE ELEMENTS IN SOME OF NORTH AFRICA WILD MEDICINAL HERBS

[R. Damja](#)

Al-fateh University, Dept. of Chemistry, Tripoli, LIBYA

16.00 - 16.30 Coffee Break at Poster Room

03-p-01 δ-AMINOLEVULINIC ACID DEHYDRATASE IN BLOOD AS A BIOMARKER FOR LOW-LEVEL LEAD EXPOSURE

[R. Asadauskaite](#), [R. Naginiene](#), and [O. Abdrachmanovas](#)

Kaunas University of Medicine, Institute for Biomedical Research, 50009 Kaunas, LITHUANIA

03-p-02 EXPOSURE OF HAZARDOUS POLLUTANTS ON SHIPYARD WORKERS IN TUZLA BAY, ISTANBUL

[U.B. Celebi](#), [F.T. Akanlar](#), and [N. Vardar](#)

Yildiz Technical University, Naval Architecture and Marine Engineering Dept, 34349 Istanbul, TURKEY

03-p-03 ANALYSIS OF TOXIC ELEMENTS IN WINE SAMPLES USING ATOMIC SPECTROMETRY TECHNIQUES

[G. Grindlay](#), [J. Mora](#), [L. Gras](#) and [M. T.C. de Loos-Vollebregt](#)

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03-p-04 RISK ASSESSMENT OF DIETARY EXPOSURE TO ORGANOPHOSPHORUS RESIDUES VIA OLIVE OIL AND MILK CONSUMPTION IN GREECE

[C.A. Tsoutsis](#), [I.K. Konstantinou](#), [D.G. Hela](#), and [T.A. Albanis](#)

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03-p-05 BIOMONITORING AND HEALTH RISK IN INCINERATOR WORKERS

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03-p-06 GROUNDWATER RISK ASSESSMENT OF PCE AT A CONTAMINATED SITE

[M. Massabò](#), [F. Catania](#), [D.D. Piazza](#), and [O. Paladino](#)

University of Genoa, CIMA – Centro di ricerca Interuniversitario in Monitoraggio Ambientale, 17100 Savona, ITALY

03-p-07 THE IMPACT OF POLLUTION ON TRACE ELEMENTS CONTENTS OF WILD MEDICINAL PLANTS

[M. Omar](#) and [R. Damja](#)

Al-fateh University, Dept. of Chemistry, Tripoli, LIBYA

03-p-08 DETERMINATION OF DYING-OFF RATES OF SALMONELLA TYPHIMURIUM IN CRYSTALLINE SUGAR

[F. Sen](#), [D. Süral](#), [A. Perendeci](#), and [F.Y. Ekinci](#)

Akdeniz University, Engineering Faculty, Environmental Engineering Department, 07058 Antalya, TURKEY

03-p-09 DETECTION OF MICROCYSTINS IN FISH INTESTINE: VALIDATION OF ELISA ANTI-ADDA AS SCREENING TECHNIQUE

[I. Moreno](#), [S. Pichardo](#), [A. Jos](#), [M. A. Herrador](#), [A. G. González](#), and [A.M. Cameán](#)

University of Sevilla, Dept. of Toxicology, 41012 Seville, SPAIN

03-p-10 SUBCHRONIC DIETARY EXPOSURE TO VIRGIN OLIVE OIL SUBJECTED TO DIFFERENT FRYING INTENSITIES INDUCE OXIDATIVE STRESS IN LIVER OF RATS

[I. Rollán](#), [A. Jos](#), [S. Pichardo](#), [I. Moreno](#), [C.M. Vázquez](#), [C. Dobarganes](#), and [A. Cameán](#)

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- 03-p-11 DETERMINATION OF PESTICIDE TRACES IN SOME FRUIT AND VEGETABLE SAMPLES COLLECTED FROM SUPERMARKETS OF KONYA CITY CENTRE
[H.N. Ucan](#), [K. Gur](#), [A. Aktumsek](#), and [S. Dursun](#)
Selcuk University, Dept. of Environmental Engineering, 42031 Konya, TURKEY
- 03-p-12 XTRAFOOD: A MODEL FOR THE IMPACT ANALYSIS OF CONTAMINANTS IN PRIMARY FOOD PRODUCTION
[M. Van Holderbeke](#), [K. De Brouwere](#), [C. Cornelis](#), [P. Seuntjens](#), [S. Claeys](#), [A. De Vocht](#), and [A. Ruttens](#)
VITO, Dept. of Integrated Environmental Studies, 2400 Mol, BELGIUM
- 03-p-13 DETERMINATION OF TRIHALOMETHANES IN DRINKING WATER DISTRIBUTION NETWORK
[M. E. Aydın](#), [S. Yıldız](#), and [G. Kara](#)
Selcuk University, Dept. of Environmental Engineering, 42031 Konya, TURKEY
- 03-p-14 DETERMINATION OF BENZENE COMPOUNDS IN DRINKING WATER DISTRIBUTION NETWORK
[M. E. Aydın](#), [S. Yıldız](#), and [G. Kara](#)
Selcuk University, Dept. of Environmental Engineering, 42031 Konya, TURKEY
- 03-p-15 ZEA MAYS (L.) IN AREAS WITH DIFFERENT ANTHROPIC POLLUTION SOURCES: RELATIONS BETWEEN TOXIC ELEMENT CONTENTS IN SOILS AND IN VEGETABLE TISSUES
[A. Manniello](#), [G. Zappa](#), and [C. Zoani](#)
ENEA, Department of Biotechnologies, Agro-industry and Health Protection, 00123 Rome, ITALY
- 03-p-16 DETERMINATION OF THE BIOAVAILABILITY AND TOTAL CONTENT OF TOXIC ELEMENTS IN FOOTWEAR
[G. Rubio](#), [E. Verdú](#), [G. Grindlay](#), [J. Mora](#), and [L. Gras](#)
University of Alicante, Departm. of Analytical Chemistry, Nutrition and Food Sciences, 03080 Alicante, SPAIN
- 03-p-17 TOWARDS AN IMPROVED HUMAN EXPOSURE ASSESSMENT TO CHEMICAL AND MICROBIOLOGICAL CONTAMINANTS IN DRINKING WATER RELEASED BY PRODUCTS USED FOR WATER DISTRIBUTION AND IN FOOD PACKAGING MATERIALS
[E.J. Hoekstra](#) and [Z. Tsvetanova](#)
European Commission, Joint Research Centre, Institute for Health and Consumer Protection, 21020 Ispra (VA), ITALY

- 03-p-18 METAL CONTENT IN FINO WINES FROM ANDALUCIA (SPAIN)
[M. Álvarez](#), [S. Pichardo](#), [I. Moreno](#), [A. Jos](#), [A.G. González](#), and [A.M. Cameán](#)
University of Sevilla, Dept. of Toxicology, 41012 Seville, SPAIN

16.30 - 17.30 Session 3

Exposure through Food and Non-Food Products

- 03-o-03 BIOLOGY-BASED DOSE-RESPONSE MODELS FOR HEALTH RISK ASSESSMENT OF CHEMICAL MIXTURES
[D.A. Sarigiannis](#) and [A. Gotti](#)
European Commission – Joint Research Centre, Institute for Health and Consumer Protection, 21020 Ispra (VA), ITALY
- 03-o-05 STUDY OF POLYCHLORINATED BIPHENYLS AS POTENTIAL MODIFIERS OF DEVELOPMENTAL NEUROTOXICITY OF METHYLMERCURY
[T. Coccini](#), [A. Castoldi](#), [E. Roda](#), [G. Cimino Reale](#), [B. Casati](#), [D. Sarigiannis](#), and [L. Manzo](#)
University of Pavia, Toxicology Division, 27100 Pavia, ITALY

17.30 - 18.30 Round Table on Environmental Health Risk Modifiers

Chairpersons [E. Marafante](#) and [D. Sarigiannis](#)

18.30 - 19.30 Poster discussion in plenary session

Chairpersons [E. Alonso](#), [S. Pakalin](#), and [G. Pilidis](#)

Friday, Oct.12th, Morning Session

09.00 - 10.00 Plenary Lecture

MONITORING PRIORITY POLLUTANTS AND EMERGING CONTAMINANTS
IN THE WATER- SEDIMENT SYSTEM OF THE EBRO RIVER BASIN
(AQUATERRA PROJECT)

[D. Barceló](#)

C.I.D.-C.S.I.C., Dept. of Environmental Chemistry, 08034 Barcelona, SPAIN

10.00 - 11.00 Session 4

Air, Water, Soil Management

Chairpersons [M. Bahadir](#), [J. Cornejo](#), and [M. Kirchner](#)

4-o-01 EFFECTS OF WATERSHED DELINEATION FROM GRID DEMS IN GIS TO
NON-POINT SOURCE WATER POLLUTION MODELLING

[T. Gokgoz](#), [M. Basaraner](#), [M.A. Yucel](#), [F. Gulgen](#), [A.O. Dogru](#), [N. Ulugtekin](#),
and [H.K. Cigizoglu](#)

Yildiz Technical University, Dept. of Geodesy and Photogrammetry, 34349
Istanbul, TURKEY

04-o-02 A NESTED ASSESSMENT OF POLLUTANT FATE AND ECOSYSTEM
RISKS AT PAN-EUROPEAN SCALE

[G. Bidoglio](#), [F. Bouraoui](#), [B. Grizzetti](#), [A. Aloe](#), [A. Pistocchi](#), [D. Pennington](#), [G. Umlauf](#),
[J. Wollgast](#), [F. Somma](#), and [J. Zaldivar](#)

European Commission, Joint Research Centre, 21020 Ispra (VA), ITALY

04-o-03 MERCURY AND OTHER TRACE ELEMENTS IN SOILS AFFECTED BY THE
MINE TAILING SPILL IN AZNALCÓLLAR (SW SPAIN)

[F. Cabrera](#), [J. Ariza](#), [P. Madejón](#), [E. Madejón](#) and [J.M. Murillo](#)

CSIC, Inst. de Recursos Naturales y Agrobiología, 41012 Sevilla, SPAIN

04-o-04 POSSIBILITIES AND CONSTRAINTS OF THE PHYTOSTABILIZATION OF
METAL POLLUTED MINE TAILINGS IN THE CARTAGENA-LA UNIÓN AREA,
SOUTHEAST SPAIN

[H.M. Conesa](#), [A. Moradi](#), [B. Nowack](#), [E. Lehmann](#), [B. Robinson](#), and [R. Schulin](#)

ETH Zürich, Dept. of Environmental Sciences, 8092 Zürich, SWISS

11.00 - 11.30 Coffee break at Poster room

04-p-001 ACCUMULATION AND DISTRIBUTION OF HEAVY METALS IN SEDIMENTS
OF SEMI-ENCLOSED BASIN SOUTHEASTERN MEDITERRANEAN SEA,
EGYPT

[M.A.M. Abdallah](#)

National Institute of Oceanography and Fisheries, Marine Environment-
Pollution Lab, 21411 Alexandria, EGYPT

04-p-002 GENERATION OF AN EMISSION INVENTORY FOR TURKEY

[K. Alp](#), [T. Agacayak](#), [J. Theloke](#), [U. Kummer](#), [T. Pregger](#), [H. Pfeiffer](#), and [T. Kindap](#)

Istanbul Technical University, Environ. Engineering Dept., 34469 Maslak,
Istanbul, TURKEY

04-p-003 CATEGORIZING THE WATER QUALITY OF DAM LAKES FROM THE
ANGLE OF EMPLOYABILITY OF THE WATER SOURCES

[B.S. Akin](#), [H. Katircioğlu](#), and [T. Atici](#)

Gazi University, Dept. of Science Education, 06500 Ankara, TURKEY

04-p-004 PM2.5 AND PM10 MASS CONCENTRATION IN ZONGULDAK COAL
MINING AREA - TURKEY

[L.H. Tecer](#), [O. Alagha](#), [F. Karaca](#), [G. Tuncel](#), and [P. Süren](#)

Fatih University, Dept. of Environmental Engineering, ISTANBUL, TURKEY

04-p-005 SOLID-PHASE MICROEXTRACTION AND GAS CHROMATOGRAPHY
WITH ELECTRON CAPTURE DETECTION FOR MULTIRESIDUE
DETERMINATION OF PESTICIDES IN WATERS

[K. V. Karametsi](#), [D.A. Lambropoulou](#), and [T. A. Albanis](#)

University of Ioannina, Dept. of Chemistry, Ioannina 45110, GREECE

04-p-006 PASSIVE SAMPLING TECHNIQUES FOR MONITORING VETERINARY
PHARMACEUTICALS IN AQUACULTURE ENVIRONMENTS

[M.D. Hernando](#), [D. Lambropoulou](#), [I. Konstantinou](#), [M.J. Martínez Bueno](#), [D. Gabrielides](#),
[A.R. Fernández-Alba](#), and [T. Albanis](#)

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04-p-007 TiO₂ PHOTO CATALYTIC DECOMPOSITION OF BIOCIDES

[V. A. Sakkas](#) and [T.A. Albanis](#)

University of Ioannina, Dept. of Chemistry, Ioannina 45110, GREECE

04-p-008 THE CONTAMINATION OF AMVRAKIKOS GULF COASTAL LAGOONS BY
ORGANIC MICROPOLLUTANTS

[V. Selimi](#), [D. Barelos](#), [I. Konstantinou](#), [T. Sakellarides](#), [D. Lambropoulou](#), and
[T. Albanis](#)

University of Ioannina, Dept. of Chemistry, Ioannina 45110, GREECE

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- 04-p-009 DETERMINATION OF THE TOTAL CONCENTRATION AND SPECIATION OF METAL IONS IN RIVER, ESTUARINE AND SEA WATER SAMPLES
[G. Alberti](#), [R. Biesuz](#), and [M. Pesavento](#)
Università degli Studi di Pavia, Dipartimento di Chimica Generale, 27100 Pavia, ITALY
- 04-p-010 STUDY OF ATMOSPHERIC NITRATED AND OXYGENATED POLYCYCLIC AROMATIC HYDROCARBONS IN THE MARSEILLES AREA (FRANCE)
[A. Albinet](#), [E. Leoz-Garziandia](#), [H. Budzinski](#), and [E. Villenave](#)
French National Institute for Industrial Environment and Risks (INERIS), DRC/AIRE, 60550 Verneuil en Halatte, FRANCE
- 04-p-011 EMISSION INVENTORY FOR THE EVALUATION OF URBAN AIR POLLUTION IN ESKISEHIR, TURKEY
[H. Altug](#) and [T. Dogeroglu](#)
Anadolu University, Dept. of Environmental Engineering, 26555 Eskisehir, TURKEY
- 04-p-012 LEACHING BEHAVIOUR OF SINTERED CONTAMINATED MARINE SEDIMENTS
[R. Alonso-Santurde](#), [M. Romero](#), [J. Ma. Rincón](#), [J.R. Viguri](#), and [A. Andrés](#)
University of Cantabria, Dept. of Chemistry, 39005 Santander, SPAIN
- 04-p-013 SUSTAINABLE MANAGEMENT OPTIONS FOR CONTAMINATED SEDIMENTS AND DREDGED MATERIAL
[M. Alvarez-Guerra](#), [R. Alonso-Santurde](#), [A. Andrés](#), [A. Coz](#), [J. Soto](#), [J. Gómez-Arozamena](#), and [J.R. Viguri](#)
University of Cantabria, Dept. of Chemistry, 39005 Santander, SPAIN
- 04-p-014 DISTRIBUTION AND SOURCE OF TRACE METALS IN COASTAL WATER OF THE BAY OF TANGIER (NORTH WEST MOROCCO)
[A. Aouarram](#), [M.D. Galindo](#), [H. El Mai](#), [J.J. Vicente](#), [M. García-Vargas](#), [M. Stitou](#), [F. El Yousfi](#), [M. Ammari](#), and [L. Ben Allal](#)
University of Cadiz, Dept. of Analytical Chemistry, 11510 Puerto Real, Cádiz, SPAIN
- 04-p-015 EFFECT OF THE ORGANIC AND MINERAL FERTILIZATION ON THE PERSISTENCE OF CHLORTAL-DIMETHYL IN SOIL UNDER LABORATORY CONDITIONS
[J. Oliva](#), [B. Melgar](#), [P. Payá](#), [M.A. Cámara](#), and [A. Barba](#)
University of Murcia, Department of Agricultural Chemistry, Geology and Pedology, 30100 Murcia, SPAIN
- 04-p-016 PERSISTENCE OF CHLORTAL-DIMETHYL IN DIFFERENT AQUATIC SYSTEMS
[J. Oliva](#), [I. Cánovas](#), [P. Payá](#), [M. A. Cámara](#), and [A. Barba](#)
University of Murcia, Department of Agricultural Chemistry, Geology and Pedology, 30100 Murcia, SPAIN
- 04-p-017 PRELIMINARY RESULTS ON PM1 AND PARTICLE-BOUND POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) IN KOZANI, GREECE
[J.G. Bartzis](#), [S. Amarantidis](#), [E. Tolis](#), [D. Missia](#), [D. Saraga](#), and [N. Koziakis](#)
University of West Macedonia, Dept. of Engineering and Management of Energy Resources, Kozani, GREECE
- 04-p-018 REMOVAL OF LINDANE AND DIELDRIN FROM AQUEOUS SOLUTIONS BY MONTMORILLONITE AND BENTONITE AND OPTIMIZATION OF PARAMETERS
[M.E. Aydin](#), [S. Ozcan](#), and [F. Beduk](#)
Selcuk University, Department of Environmental Engineering, 42031 Konya, TURKEY
- 04-p-019 ASSESING URBAN AIR POLLUTION VARIATION IN TURKEY BY GIS
[M.E. Aydin](#), [S.S. Durduran](#), [S. Ozcan](#), and [F. Beduk](#)
Selcuk University, Department of Environmental Engineering, 42031 Konya, TURKEY
- 04-p-020 A RELIABLE METHOD TO SAMPLE VOLATILE ORGANIC COMPOUNDS IN HUMID CONDITIONS
[S. Beghi](#) and [J-M. Guillot](#)
Ecole des Mines d'Alès, Industrial Environment Engineering Laboratory, 30319 Alès cedex, FRANCE
- 04-p-021 PAH's IN NEEDLES AND HUMUS OF ALPINE ECOSYSTEMS (MONARPOP)
[C. Belis](#), [R. Bassan](#), [S. Iozza](#), [G. Jakobi](#), [M. Kirchner](#), [N. Kräuchi](#), [T. Magnani](#), [W. Moche](#), [M. Oehme](#), [I. Offenthaler](#), [K. Schramm](#), [P. Schroeder](#), [I. Sedivy](#), [P. Simončič](#), [M. Uhl](#), [U. Vilhar](#), and [P. Weiss](#)
ARPA della Lombardia, Dipartimento di Sondrio, 23100 Sondrio, ITALY
- 04-p-022 PARTICULATE MATTER TRENDS AND CHEMICAL COMPOSITION IN THE ALPINE CITY OF SONDRIO (NORTHERN ITALY)
[C. Belis](#), [P. Vannini](#), [G. Moraschetti](#), [G. De Stefani](#), [E. Sesana](#), [M. Gurini](#), [C. Colombi](#), [P. Fermo](#), [A. Piazzalunga](#), [R. Vecchi](#), and [V. Gianelle](#)
ARPA della Lombardia, Dipartimento di Sondrio, 23100 Sondrio, ITALY

- 04-p-023 INFLUENCE OF COPPER ON PHOSPHOMONOESTERASE IN GALICIAN SOILS
[R.M. Bellas](#), [M.C. Leirós](#), [F. Gil-Sotres](#), and [C. Trasar-Cepeda](#)
University Santiago de Compostela, Dept. of Pedology, 15782 Santiago de Compostela, SPAIN
- 04-p-024 EFFECT OF TIME OF CONTACT BETWEEN 2,4,5-TRICHLOROPHENOL AND A FOREST SOIL ON DIFFERENT PROPERTIES USED IN THE DIAGNOSIS OF EDAPHIC CONTAMINATION
[D. Bello](#), [F. Gil-Sotres](#), [C. Trasar-Cepeda](#), and [M.C. Leirós](#)
IIAG-CSIC, Dept. of Biochemistry of Soil, 15705 Santiago de Compostela, SPAIN
- 04-p-025 IMPACT OF MUSSEL FARMING IN SEAWATER QUALITY IN MALIAKOS GULF (AEGEAN SEA, GREECE)
[P. Beza](#), [I. Theodorou](#), [A. Latsiou](#), [I. Kagalou](#), and [G. Papadopoulos](#)
Technological Educational Institute of Epirus, Department of Ichthyology and Fisheries, 46100 Igoumenitsa, GREECE
- 04-p-026 ENVIRONMENTAL QUALITY OF THE COASTAL WATERS IN THE GULF OF IGOUMENITSA, IONIAN SEA
[V. Moussis](#), [M.E. Mpoti](#), [G. Ioannou](#) and [P. Beza](#)
Technological Educational Institute of Epirus, Department of Ichthyology and Fisheries, 46100 Igoumenitsa, GREECE
- 04-p-027 SPATIAL AND SEASONAL BIOAVAILABILITY OF SEDIMENT-ASSOCIATED METALS ALONG THE ESTUARY OF GUADALETE RIVER (SW SPAIN)
[O. Campana](#), [A. Rodríguez](#), and [J. Blasco](#)
Instituto Ciencias Marinas Andalucía (CSIC), Ecología y Gestión Costera, 11510 Puerto Real, SPAIN
- 04-p-028 METAL CONTAMINATION IN THE COASTAL AND ESTUARINE ECOSYSTEM FROM THE SOUTHWEST OF IBERIAN PENINSULA, IS THERE A RISK SITUATION?
[J. Blasco](#), [A. Rodríguez](#), [M. Rey](#), [C. Trombini](#), [T.C. Gomes](#), [J.L. Gomez-Ariza](#), and [M.J. Bebianno](#)
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- 04-p-029 ADRIATIC SEA SEDIMENT CHARACTERISTICS
[S. Matijević](#), [D. Bogner](#), [G. Kušpilić](#), [V. Tićina](#), [B. Grbec](#), and [M. Morović](#)
Institute of Oceanography and Fisheries, Laboratory for Chemical Oceanography and Sedimentology, 21000 Split, CROATIA

- 04-p-030 BREATHABLE PARTICULATE (PM₅) AND PAHs EXPOSURE DURING THE OLYMPIC WINTER GAMES OF "TORINO 2006" IN A COHORT OF TRAFFIC POLICEMEN
[R. Bono](#), [C. Pignata](#), [L. Paragano](#), [E. Buglione](#), [G.C. Botta](#), [G. Gilli](#), [I. Pavan](#), and [S. Ghittori](#)
University of Turin, Dep. of Public Health and Microbiology, 10126 Turin, ITALY
- 04-p-031 BENZENE AND FORMALDEHYDE IN AIR OF TWO OLYMPIC VENUES OF "TORINO 2006"
[R. Bono](#), [R. Degan](#), [C. Pignata](#), [R. Rovere](#), and [G. Gilli](#)
University of Turin, Dep. of Public Health and Microbiology, 10126 Turin, ITALY
- 04-p-032 ADSORPTION OF HERBICIDE MCPA ON LAYERED DOUBLE HYDROXIDES (SYSTEMS MG-AL, MG-FE AND MG-AL-FE)
[F. Bruna](#), [R. Celis](#), [I. Pavlovic](#), [C. Barriga](#), [J. Cornejo](#), and [M.A. Ulibarri](#)
Universidad de Córdoba, Química Inorgánica e Ingeniería Química, 14071 Cordoba, SPAIN
- 04-p-033 TRACE ELEMENTS AND SALINITY IN SOILS AND PLANTS OF THE DOMINGO RUBIO TIDAL CHANNEL (LEFT BANK OF THE TINTO RIVER, HUELVA, SPAIN)
[P. Madejón](#), [F. Cabrera](#), [P. Burgos](#), [J.M. Murillo](#), and [E. Madejón](#)
CSIC, Inst. de Recursos Naturales y Agrobiología, 41080 Sevilla, SPAIN
- 04-p-034 POLYCHLORINATED DIBENZO-p-DIOXINS AND DIBENZOFURANS (PCDD/Fs) OVER THE MEDITERRANEAN SEA
[J. Castro-Jiménez](#), [M. Ghiani](#), [G. Mariani](#), [H. Skejo](#), [G. Umlauf](#), and [J. Wollgast](#)
European Commission, J.R.C. - Ispra, Institute for Environment and Sustainability, 21020 Ispra (VA), ITALY
- 04-p-035 ORGANOCCLAY-BASED FORMULATIONS OF THE HERBICIDE DIURON TO REDUCE HERBICIDE LEACHING IN SOIL
[C. Trigo](#), [R. Celis](#), [G. Facenda](#), [M.C. Hermosín](#), and [J. Cornejo](#)
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- 04-p-036 UPTAKE AND ACCUMULATION OF LEAD BY BROCCOLI PLANTS GROWN IN CONTAMINATED SOILS
[M. I. de Haro-Bravo](#), [M. del Río-Celestino](#), and [A. de Haro-Bailón](#)
IFAPA-CENTRO ALAMEDA DEL OBISPO, MEJORA GENETICA VEGETAL, 14080 Córdoba, SPAIN

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- 04-p-037 INTEGRATION OF IN-SITU AND REMOTE SENSING TECHNIQUES FOR STUDYING SALINIZATION PHENOMENA IN COASTAL AREAS
[V. Lapenna](#), [C. Belviso](#), [R. Coppola](#), [M. D'Emilio](#), [M. Lanfredi](#), [M. Liberti](#), [A. Loperte](#), [M. Macchiato](#), [A. Satriani](#), and [T. Simoniello](#)
CNR, Istituto di Metodologie per l'Analisi Ambientale, Potenza, ITALY
- 04-p-038 ELECTRIC AND MAGNETIC PARAMETERS FOR STUDYING EROSION PROCESSES: "CALANCHI" OF ALIANO (SOUTHERN ITALY)
[R. Coppola](#), [R. Caggiano](#), [M. D'Emilio](#), [M. Lanfredi](#), [M. Liberti](#), [S. Sabia](#), [T. Simoniello](#), and [M. Macchiato](#)
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- 04-p-039 BIOINDICATION OF ELECTROMAGNETIC POLLUTION OF SOILS
[T.V. Denisova](#)
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- 04-p-040 FIRST RESULTS OF THE EVALUATION OF BIOLOGICAL SOIL PROPERTIES AS INDICATORS OF AIR PARTICLES POLLUTION
[K. Vlachodimos](#), [E. Kladas](#), [K. Blake](#), and [I. Diamantopoulos](#)
Aristotle University, Department of Ecology, 54 124, Thessaloniki, GREECE
- 04-p-041 SEASONAL – SPATIAL FLUCTUATION AND PHASE DISTRIBUTION OF HEAVY METALS IN A SHALLOW MEDITERRANEAN LAGOON
[E. Diamantopoulou](#), [M. Dassenakis](#), [V. Paraskevopoulou](#), [E. Rousselaki](#), and [V. Tomara](#)
University of Athens, Lab. of Analytical Chemistry, 15771 Athens, GREECE
- 04-p-042 FIELD METHOD COMPARISON BETWEEN PASSIVE SAMPLERS, SODIUM IODIDE METHOD AND CONTINUOUS MONITOR FOR NO₂ IN ESKISEHIR, TURKEY
[T. Dogeroglu](#) and [O. Ozden](#)
Anadolu University, Dept. of Environmental Engineering, 26555 Eskisehir, TURKEY
- 04-p-043 THE INTERACTION OF TIN - CATALYSERS WITH SOILS
[H. Doležalová Weissmannová](#), [T. Nejedlý](#), and [K. Dušková](#)
Brno University of Technology, Inst. of Chemistry and Technology of Environmental Protection, 612 00 Brno, CZECH REPUBLIC
- 04-p-044 THE SORPTION STUDY OF CU, ZN FUNGICIDES ONTO MINERAL COMPONENTS OF SOILS
[H. Doležalová Weissmannová](#) and [P. Těťivová](#)
Brno University of Technology, Inst. of Chemistry and Technology of Environmental Protection, 612 00 Brno, Czech Republic
- 04-p-045 CONTROLLED RELEASE OF CHLORSULFURON FROM ETHYLCELLULOSE COATED FORMULATIONS
[M. Fernández-Pérez](#), [M. Villafranca-Sánchez](#), [F. Flores-Céspedes](#), and [I. Daza-Fernández](#)
University of Almería, Dept. of Inorganic Chemistry, 04120 ALMERIA, SPAIN
- 04-p-046 ASSESSMENT OF ATMOSPHERIC INPUTS TO THE GUADALQUIVIR RIVER IN SEVILLE. RELATIONSHIPS BETWEEN INORGANIC POLLUTANT LEVELS IN THE AMBIENT AIR AND IN RAINWATER
[R. Montoya](#), [M. Ternero](#), and [A.J. Fernandez](#)
University of Sevilla, Dept. of Analytical Chemistry, 41012 Sevilla, SPAIN
- 04-p-047 LEAD IN SOILS FROM NW SPAIN: 3,000 YEARS OF ATMOSPHERIC POLLUTION
[C. Ferro Vázquez](#), [J.C. Nóvoa Muñoz](#), [M. Costa Casais](#), [C. Ferrín Prieto](#), [J. Klaminder](#), [R. Bindler](#), and [A. Martínez Cortizas](#)
University Santiago de Compostela, Dept. of Pedology, 15782 Santiago de Compostela, SPAIN
- 04-p-048 DETERMINATION OF N-METHYL CARBAMATES PESTICIDES AT THE OUTLET OF AN AGROFORESTRY CATCHMENT BY ELECTROSPRAY IONIZATION TANDEM MASS SPECTROMETRY (LC-ESI-MS)
[A. Santana](#), [E. Vidal](#), [J. Paz](#), [M. Beretta](#), and [G. Fernández](#)
University of A Coruña, Faculty of Sciences, 15071 La Coruña, SPAIN
- 04-p-049 BIOMONITORING OF HISTORIC PARKS USING EPIPHYTIC LICHENS: VILLA DORIA PAMPHILJ (ROME, ITALY)
[C. Foschi](#), [S. Cellini](#), [S. Caporale](#), [V. Genovesi](#), and [S. Ravera](#)
National Health Institute, Dept. of Environment and Primary Prevention, 00185 Rome, ITALY
- 04-p-050 A WINTERTIME STUDY OF PAHs IN TWO URBAN CITIES OF TURKEY
[A. Ari](#), [E. Özer](#), [N. Olten](#), and [E.O. Gaga](#)
Anadolu University, Dept. of Environmental Engineering, 26555 Eskisehir, TURKEY
- 04-p-051 TRANSFERENCE DYNAMICS OF TERBUTHYLAZINE AND DIURON TO RUNOFF FLOW IN NON-TILLAGE SYSTEMS WITH GROUND COVER STRIPS
[P. Galindo](#), [M. J. Polo](#), and [E. de Luna](#)
IFAPA, Dept. of Agrarian Production, 14080 Córdoba, SPAIN

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- 04-p-052 INFLUENCE OF LIMING ON THE SPECIATION AND TOXICITY OF LIXIVIATES FROM SOILS CONTAMINATED BY PYRITE SLUDGE
[I. García, M. Diez, F. Martín, M. Simón, J. A. Sánchez, and F. del Moral](#)
University of Almería, Dpto. Edafología y Química Agrícola, 04120 - Almeria, SPAIN
- 04-p-053 USE OF RECEIVER-OPERATING CHARACTERISTIC (ROC) TO VALIDATE ANALYTICAL METHODS FOR POLLUTANT IDENTIFICATION IN ENVIRONMENTAL MATRICES
[M.A. Herrador and A. G. González](#)
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- 04-p-054 ON THE USE OF SUPPORT VECTOR MACHINES FOR CLASSIFICATION OF PESTICIDES ACCORDING TO THEIR TOXICITY AGAINST FISH
[D. González-Arjona, G. López-Pérez, and A. G. González](#)
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- 04-p-055 NON-SPECTROSCOPIC MATRIX EFFECTS DUE TO EASY IONIZABLES ELEMENTS IN ICP-AES. APPLICATION TO THE ANALYSIS OF ENVIRONMENTAL SAMPLES
[S. Vega, G. Grindlay, L. Gras, and J. Mora](#)
University of Alicante, Departm. of Analytical Chemistry, Nutrition and Food Sciences, 03080 Alicante, SPAIN
- 04-p-056 ATMOSPHERIC POLYCYCLIC AROMATIC HYDROCARBONS IN URBAN AIR: A STUDY IN A HIGH TRAFFIC AREA, FOR WINTER PERIOD, IN ISTANBUL
[A. Hanedar, K. Alp, and M.D. Köselser](#)
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[K. Alp, O. Deniz, A. Hanedar, M.D. Köselser, and V. Uyak](#)
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- 04-p-058 HYDROCARBON LEVELS AND DISTRIBUTION IN SURFACE SEDIMENTS FROM KORINTHIAKOS GULF, GREECE
[I. Hatzianestis, A. Stamou, and F. Rigas](#)
Hellenic Center for Marine Research, Institute of Oceanography, 19013 Anavyssos Attikis, GREECE
- 04-p-059 THE CONTRIBUTION OF RENEWABLE ENERGY SOURCES ON REDUCING THE AIR POLLUTION OF GREEK ELECTRICITY GENERATION SECTOR
[J.K. Kaldellis, E.M. Kondili, and A.G. Paliatsos](#)
TEI of Piraeus, Mechanical Eng. Dept., Lab of Soft Energy Applications & Environmental Protection, 12201 Athens, GREECE
- 04-p-060 DISINFECTION BY- PRODUCTS OF KONYA (TURKEY) DRINKING WATER
[M. Aydin, G. Kara, and S. Yildiz](#)
Selcuk University, Dept. of Environmental Engineering, 42031 Konya, TURKEY
- 04-p-061 ESTIMATION OF EMISSIONS AND LOCAL EMISSION FACTORS IN THE REGION OF WESTERN MACEDONIA, GREECE
[E. Solomou, D. A. Sarigiannis, A. J. Karabelas, E. Amanatidou, C. Mousiou, and E. Tsikardani](#)
Centre for Research and Technology Hellas (CERTH), Chemical Process Engineering Research Institute-CPERI, 57001 Themi-Thessaloniki, GREECE
- 04-p-062 CHROMIUM (VI) AND CADMIUM(II) IONS BIOSORPTION FROM AQUEOUS SOLUTIONS BY IMMOBILIZED BIOMASS OF OSCILLATORIA SP. H1 ISOLATED FROM FRESHWATER (MOGAN LAKE)
[H. Katircioğlu and B. Aslım](#)
Gazi University, Dept. of Biology, 06500 Ankara, TURKEY
- 04-p-063 STUDIES ON THE SENSITIVITY OF FRESHWATER MICROALGAL ISOLATES TO CHROMIUM (VI) AND CADMIUM (II)
[H. Katircioğlu, B. Aslım, and T. Atıcı](#)
Gazi University, Dept. of Biology, 06500 Ankara, TURKEY
- 04-p-064 PARAMETERS AFFECTING As(III) OXIDATION BY ZERO VALENT IRON AND HYDROGEN PEROXIDE AT CIRCUMNEUTRAL pH IN AERATED AQUATIC SOLUTIONS
[I.A. Katsoyiannis and S.J. Hug](#)
Eawag, Dept. of Water Resources and Drinking Water, Duebendorf, SWITZERLAND
- 04-p-065 EXPERIMENTAL MEASUREMENTS OF C2-C5 AND C6-C10 IN URBAN AREA OF THESSALONIKI, GREECE
[P.N. Tzoumaka, A.G. Kelessis, M.J. Petrakakis, C. Samara, N. Zoumakis, and G. Tzourelis](#)
Municipality of Thessaloniki, Environmental Department, 54630 Thessaloniki, GREECE

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- 04-p-066 APPROXIMATE SOLUTIONS OF THE RADIATION BUDGET EQUATION IN COMPLEX TERRAIN
N.M. Zoumakis, G.A. Efstathiou, A.G. Kelessis, C.N. Chatzinakos, M.J. Petrakakis, and D.G. Papas
Municipality of Thessaloniki, Environmental Department, 54630 Thessaloniki, GREECE
- 04-p-067 ACTUAL SITUATION OF AIR POLLUTION IN ALBANIAN CAPITAL CITY, TIRANA
N. Vilamasi Shoshi, E. Veizaj, T. Kika, O. Shoshi, and S. Fortuzi
Agriculture University of Tirana, Dept. of Preclinical Subjects, TR 001 Tirana, ALBANIA
- 04-p-068 DIFFUSION COEFFICIENTS OF NO₂ IN ARTIFICIAL SEA WATER AND PARTITION COEFFICIENTS IN WATER-AIR INTERFACE IN THE PRESENCE AND THE ABSENCE OF SURFACTANTS
A. Koliadima, J. Kapolos, L. Farmakis, and G. Karaiskakis
University of Patras, Dept. of Chemistry, 26504 Patras, GREECE
- 04-p-069 FLUX DECLINE CHARACTERISTICS OF HUMIC ACID AND ALGINATE BY NANOFILTRATION MEMBRANE
I. Koyuncu and M. R. Wiesner
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- 04-p-070 SCREENING ASSESSMENT OF PESTICIDES AND PERSISTENT ORGANIC POLLUTANTS IN WATERS AND SEDIMENTS OF AXIOS RIVER
F. Vosniakos, C. Diamantopoulos, I. Triantafyllidis, G. Vasilikiotis, D. Lambropoulou, G. Kalampoki, C. Kosma, and T. Albanis
University of Ioannina, Dept. of Chemistry, Ioannina 45110, GREECE
- 04-p-071 INORGANIC AMENDMENTS TO DECREASE METAL AVAILABILITY IN SOILS OF RECREATIONAL URBAN AREAS: LIMITATIONS TO THEIR EFFICIENCY AND POSSIBLE DRAWBACKS
F. Madrid, E. Díaz-Barrientos, M.C. Florido, and L. Madrid
IRNASE-C.S.I.C., Dept. Agroquímica y Conservación de Suelos, 41080 Sevilla, SPAIN
- 04-p-072 EMISSION OF INORGANIC INTERMEDIATES DURING THE PHOTOCATALYTIC OXIDATION OF NO_x OVER TiO₂-CONTAINING PAINTS
Th. Maggos, P. Leva, J.G. Bartzis, Ch. Vasilakos and D. Kotzias
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- 04-p-073 EFFICIENCY OF GLYPHOSATE IN THE CONTROL OF SPARTINA DENSIFLORA BRONGN IN A MARSHY SOIL FROM ODIEL NATURAL PARK
E. Mateos-Naranjo, S. Redondo-Gómez, L. Cox, J. Cornejo, M.J. Calderón, and M.E. Figueroa
University of Sevilla, Dept. Biología Vegetal y Ecología, 41012 Sevilla, SPAIN
- 04-p-074 ROLE OF ORGANIC LIGANDS AS AFFECTING CHANGES OF METAL TOXICITY IN RIVER WATERS
M. Mingazzini, M.T. Palumbo, and R. Pagnotta
CNR - IRSA, Water Research Institute, 20047 Brugherio - Milano, ITALY
- 04-p-075 GFAAS AS AN ANALYTICAL TOOL TO THE DETERMINATION OF ORGANOTIN COMPOUNDS IN ENVIRONMENTAL SAMPLES
J. Montiel, L. Gras, and J. Mora
University of Alicante, Departm. of Analytical Chemistry, Nutrition and Food Sciences, 03080 Alicante, SPAIN
- 04-p-076 PAHS IN URBAN SOILS OF FOUR EUROPEAN CITIES
E. Morillo, C. Maqueda, A.S. Romero, L. Madrid, F. Ajmone-Marsan, and J. Villaverde
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- 04-p-077 OPTICAL CHARACTERISATION OF THE MIDDLE AND SOUTHERN ADRIATIC WATERS – DISCRIMINATING POLLUTION IMPACT
M. Morovic, B. Grbec, F. Matic, and M. Bone
Institute of Oceanography and Fisheries, Dept. of Physical Oceanography, 21000 Split, CROATIA
- 04-p-078 PHOTODEGRADATION OF MONURON HERBICIDE ADSORBED ON SELECTED CLAY SUPPORTS
L. Tajeddine, H. Mountacer, S. Rafqah, and M. Sarakha
Faculty of Sciences and Technology, Dept. of Applied Chemistry and Environment, 26000 Settat, MOROCCO
- 04-p-079 ANOMALOUS ARSENIC CONTENTS IN AGRICULTURAL SOILS AND CROPS IN AN AREA OF THE DUERO RIVER BASIN
A. Moyano, A. García-Sánchez, E. Charro, P. Mayorga, and A. Mercado
Universidad de Valladolid, Producción Vegetal y Recursos Forestales, 42004 Soria, SPAIN
- 04-p-080 WET DEPOSITION IN TWO GREEK CITIES: LARISSA AND ATHENS
P.T. Nastos, A. Papaioannou, A.G. Paliatsos, K. Kakavas, P. Plogeras and E. Dovriki
University of Athens, Dept. of Geography and Climatology, 15784 Athens, GREECE

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- 04-p-081 PHOTODEGRADATION OF FENITROTHION AND MALATHION IN DRINKING WATER BY PHOTO-FENTON REACTION UNDER SUNLIGHT IRRADIATION
[N. Vela](#), [G. Pérez](#), [G. Navarro](#), [L. Mena](#), and [S. Navarro](#)
University of Murcia, Department of Agricultural Chemistry, Geology and Pedology, 30100 Murcia, SPAIN
- 04-p-082 PHOTOCATALYTIC DEGRADATION OF PROPANIL AND ALACHLOR IN DRINKING WATER EXPOSED TO UNLIGHT BY EFFECT OF DIFFERENT PHOTOSENSITIZERS
[N. Vela](#), [G. Pérez](#), [G. Navarro](#), [L. Mena](#), and [S. Navarro](#)
University of Murcia, Department of Agricultural Chemistry, Geology and Pedology, 30100 Murcia, SPAIN
- 04-p-083 DEVELOPMENT OF AN AIR QUALITY INFORMATION SYSTEM IN THESSALONIKI, GREECE
[K. Karatzas](#) and [K. Nikolaou](#)
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- 04-p-084 LEVELS AND SOURCES OF PM10 URBAN AEROSOL FRACTION IN ISTANBUL - TURKEY
[B. Onat](#)
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- 04-p-085 ASSESSING MICROBIAL ACCESSIBILITY OF NATIVE PAHS IN SOILS AND SEDIMENTS: RELEVANCE FOR BIOREMEDIATION
[J. J. Ortega-Calvo](#), [J. L. Niqui-Arroyo](#), [M. Bueno-Montes](#), [R. Posada-Baquero](#), and [P. Velasco-Casal](#)
CSIC, Inst. de Recursos Naturales y Agrobiología, 41012 Sevilla, SPAIN
- 04-p-086 TOOLS FOR HEAVY METAL POLLUTED SEDIMENTS CHARACTERISATION: TOWARDS A SUSTAINABLE REMEDIATION
[R. Pacifico](#), [G. Armiento](#), [C. Cremisini](#), [C. Crovato](#), [P. Massanisso](#), and [E. Nardi](#)
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- 04-p-087 CHARACTERIZATION OF THE SETTLEABLE AND SUSPENDED ATMOSPHERIC PARTICLES TO SOLVE AN AIR QUALITY PROBLEM
[S. Pallarés](#), [E.T. Gómez](#), and [T. Sanfeliu](#)
Universidad Jaume I de Catellón, Dpto. de Ciencias Agrarias y de Medio Natural, 12071 Castellón, SPAIN
- 04-p-088 RECONSTRUCTING PB ATMOSPHERIC POLLUTION IN NW SPAIN USING PEAT CORES: SPATIAL VARIABILITY
[E. Peiteado](#), [A. Martínez](#), [C. Olid](#), [J. García](#), and [P. Masqué](#)
University Santiago de Compostela, Dept. of Pedology, 15782 Santiago de Compostela, SPAIN
- 04-p-089 HYDROTALCITE INTERCALATED BY CHELATING AGENT DMSA: UPTAKE OF METAL CATIONS
[M.R. Pérez](#), [I. Pavlovic](#), [C. Barriga](#), and [M.A. Ulibarri](#)
Universidad de Córdoba, Química Inorgánica e Ingeniería Química, 14071 Cordoba, SPAIN
- 04-p-090 A COMPARISON OF PHYTOREMEDIATION CAPABILITY OF SELECTED PLANTS FOR CADMIUM AND LEAD IN CONTAMINATED SOILS FROM MINING ACTIVITIES
[C. Pérez-Sirvent](#), [M.J. Martínez-Sánchez](#), [M.L. García-Lorenzo](#), [J. Bech](#), and [M. Hernández Córdoba](#)
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- 04-p-091 METHOD DEVELOPMENT FOR THE DETERMINATION OF FLUOROTELOMER ALCOHOLS IN SEMIPERMEABLE MEMBRANE DEVICE
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GSF-National Research Center for Environment and Health, Inst. of Ecological Chemistry, 85758 Neuherberg, GERMANY
- 04-p-092 EVALUATION OF AEROSOL AND OZONE PHOTOCHEMICAL MODEL OVER ATHENS
[A. Poupkou](#), [I. Ziomas](#), [K. Markakis](#), [D. Melas](#), [A. Papayannis](#), and [C. Zerefos](#)
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- 04-p-093 EXHAUST GAS EMISSIONS FROM PETROL CARS IN THE CITY OF THESSALONIKI
[D. Prapas](#), [F. Vosniakos](#), [A. Karyda](#), and [J. Triandafyllis](#)
T.E.I. of Thessaloniki, Env. Technology, 54101 Thessaloniki, GREECE
- 04-p-094 EFFECTS OF SURFACTANTS ON CHEMICAL CHARACTERISTICS OF SOIL SOLUTION IN A SOIL FROM THE MEDITERRANEAN AREA
[J. Ruoss](#), [R.C.J. Arthur](#), [A. Peña](#), and [M.D. Mingorance](#)
CSIC, Geoquímica Ambiental, 18008 Granada, SPAIN

- 04-p-095 STUDY OF XAD-2 ADSORBENT FOR THE SAMPLING OF PESTICIDES IN ATMOSPHERE: APPLICATION TO REAL CASES
[M. V. Russo](#), [P. Avino](#), [I. Notardonato](#), and [G. Cinelli](#)
University of Molise, DISTAAM, 86100 Campobasso, ITALY
- 04-p-096 ARTIFICIAL NEURAL NETWORK MODELS FOR PREDICTION OF THE DAILY LEVELS IN ISTANBUL, TURKEY
[U. Sahin](#), [B. Onat](#), [O.N. Uçan](#), and [C. Bayat](#)
Istanbul University, Environ. Engineering Dept., 34320 Istanbul, TURKEY
- 04-p-097 A POLLUTANT DISPERSION MODEL FOR THE PIRAEUS, LAVRIO AND RAFINA PORTS AND THE ELEFSIS GULF
[L. Haralambides](#) and [F. Sakellariadou](#)
University of Piraeus, Dept. of Maritime Studies, 18532 Piraeus, GREECE
- 04-p-098 SIZE DISTRIBUTION OF NUMBER, MASS AND IONIC CONCENTRATIONS OF AEROSOLS AT A KERBSIDE SITE IN THESSALONIKI, GREECE
[E. Terzi](#), [L. Chrysikou](#), [C. Samara](#), [E. Vouitsis](#), [Z. Samaras](#), and [A. Kelesis](#)
Aristotelian University, Envir. Poll. Control Lab, 54006 Thessaloniki, GREECE
- 04-p-099 PAHS LEVELS IN PLANTS AND SOIL FROM SPANISH CEREAL FIELDS
[C. Sánchez-Brunete](#), [E. Miguel](#), [M. del Mar Delgado](#), and [J. Luis Tadeo](#)
INIA, Dept. de Medio Ambiente, 28040 Madrid, SPAIN
- 04-p-100 INFLUENCE OF SOIL PROPERTIES ON THE ADSORPTION OF TWO IONIZABLE HERBICIDES BY MOROCCAN SOILS
[N. Aatouf](#), [H. Azejjel](#), [K. Draoui](#), [M.S. Rodríguez-Cruz](#), and [M.J. Sánchez-Martín](#)
C.S.I.C.-Inst. de Recursos Nat. y Agrobiología, Química y Geoquímica Ambiental, 37008 Salamanca, SPAIN
- 04-p-101 EFFECT OF DIFFERENT COSOLVENTS ON THE ADSORPTION OF ETHOFUMESATE BY SURFACTANT-MODIFIED CLAYS
[H. Azejjel](#), [K. Draoui](#), [J. M. Ordax](#), [M.S. Rodríguez-Cruz](#), and [M.J. Sánchez-Martín](#)
C.S.I.C.-Inst. de Recursos Nat. y Agrobiología, Química y Geoquímica Ambiental, 37008 Salamanca, SPAIN
- 04-p-102 REMOVAL OF C. YELLOW AND R. BLUE BY USING FILTER CAKE
[M. Sarioglu](#) and [U.A. Guler](#)
Cumhuriyet University, Environmental Eng. Dept., 58140 Sivas, TURKEY

- 04-p-103 CHROMIUM (6) AND MERCURY LEVELS IN SOILS, SEDIMENTS AND AQUEOUS SAMPLES OF TWO HOT SPOTS OF ALBANIAN SEACOAST
[A. Shehu](#), [P. Lazo](#), [L. Pjeshkazini](#), and [A. Cullaj](#)
University of Tirana, Fac. of Natural Sciences, Dept. of Chemistry, Tirana, ALBANIA
- 04-p-104 CHARACTERISATION OF POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) IN THE TOULOUSE AGGLOMERATION (FRANCE)
[S. Dejean](#), [C. Raynaud](#), [V. Simon](#), [M. Meybeck](#), and [J.-P. Della Massa](#)
ENSIACET, Lab. of Agro-Industrial Chemistry, 31300 Toulouse, FRANCE
- 04-p-105 USE OF ETHYLCELLULOSE MICROENCAPSULATED FORMULATIONS TO REDUCE NORFLURAZON DISSIPATION IN SOIL
[F. Sopeña](#), [C. Maqueda](#), and [E. Morillo](#)
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- 04-p-106 REDUCTION OF PESTICIDE POLLUTION IN AGRICULTURAL SOILS BY USING CONTROLLED RELEASE FORMULATIONS: EFFICACY AND PERSISTENCE STUDIES
[F. Sopeña](#), [E. Morillo](#), and [C. Maqueda](#)
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- 04-p-107 ABSORPTION AND PERMEABILITY OF CLAYS UNDER PERMEANTS WITH Fe(II) AND Mn(II)
[M.S. Ozcoban](#), [N. Tufekci](#), [E.B. Balcioğlu](#), and [S. Yalçın](#)
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- 04-p-108 REMOVAL OF IRON AND MANGANESE FROM WATER BY USING FILTRATION TECHNIQUE
[N. Tüfekçi](#), [S. Yalçın](#), [N. Sivri](#), [Y. Öktem](#), and [E. Balcioğlu](#)
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- 04-p-109 THE EFFECTS OF MN(II), NI(II), ZN(II) AND POTASSIUM HYDROGEN PHTHALATE ON FE(II) OXIDATION WITH ATMOSPHERIC OXYGEN
[A. Ünal](#), [M. Çakmakçı](#), [C. Kinacı](#)
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- 04-p-110 EVALUATION OF POTENTIAL POLLUTION FROM AGRICULTURAL ACTIVITIES AT DURRES REGION (ALBANIA)
[S. Sulce](#) and [E. Veizaj](#)
Agricultural University of Tirana, Department of Animal Production, Tirana, ALBANIA

- 04-p-111 AIR PREDICTION MODELS OF POLLUTANTS IN AN INDUSTRIALISED AREA OF THE MEDITERRANEAN BASIN
[A.B. Vicente](#), [A. Sánchez](#), [T. Sanfeliu](#), [M.M. Jordan](#), and [M.D. Esteban](#)
 Universidad Jaume I de Castellón, Dpto. de Ciencias Agrarias y de Medio Natural, 12007 Castellón, SPAIN
- 04-p-112 HEAVY METAL SPECIATION OF ESTUARINE SEDIMENTS AFFECTED BY ACID MINE DRAINAGE IN THE TINTO AND ODIEL ESTUARY, SPAIN. RELATIONSHIP TO BIOACCUMULATION OF FISH TISSUES.
[J.J. Vicente-Martorell](#), [M.D. Galindo-Riaño](#), [M. García-Vargas](#), and [M.D. Granado-Castro](#)
 University of Cadiz, Dept. of Analytical Chemistry, 11510 Puerto Real, Cádiz, SPAIN
- 04-p-113 ADSORPTION AND DEGRADATION OF FOUR ACIDIC PESTICIDES IN SOILS FROM SEVILLE
[J. Villaverde](#), [M. Kah](#), and [C. Brown](#)
 C.S.I.C., Inst. de Recursos Nat. y Agrobiol., 41080 Sevilla, SPAIN
- 04-p-114 SURFACE SEDIMENTS IN THE OPEN AEGEAN SEA
[F. Voutsinou-Taliadouri](#) and [H. Kaberi](#)
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- 04-p-115 DETERMINATION AND EVALUATION OF SURFACE OZONE LEVELS IN ESKISEHIR, TURKEY
[O.D. Yay](#), [H. Altug](#), [O. Ozden](#), and [T. Dogeroglu](#)
 Anadolu University, Dept. of Environmental Engineering, 26470 Eskisehir, TURKEY
- 04-p-116 MONITORING OF PESTICIDE RESIDUES IN RIVER WATER OF ALIAKMONAS RIVER IN THE REGION OF IMATHIA (N. GREECE) BY MEANS OF SOLIDPHASE EXTRACTION DISKS AND GAS CHROMATOGRAPY
[I. V. Zioris](#), [D.A. Lambropoulou](#), and [T. A. Albanis](#)
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- 04-p-117 COPPER SORPTION ON VINEYARD SOILS: EFFECT OF LIMING
[D. Fernández-Calviño](#), [J.C. Nóvoa-Muñoz](#), [J.E. López-Periago](#), [M. Arias-Estévez](#)
 University of Vigo, Dept. of Plant Biology and Soil Science, 32004 Ourense, SPAIN

- 04-p-118 USE OF SPECTRORADIOMETRIC ANALYSIS FOR VEHICLE PARTICULATE MATTER EMISSION: COMPARISON WITH CHEMICAL CHARACTERIZATION
[R. Mabilia](#), [R. Salvatori](#), [R. Salzano](#), [M. C. Tomasi Scianò](#), and [F. Villanueva García](#)
 C.N.R., Ist. sull'Inquinamento Atmosferico, 00016 Monterotondo Scalo, ITALY

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Air, Water, Soil Management

- 04-o-05 INVESTIGATION OF HALOACETIC ACID FORMATION IN KONYA-TURKEY DRINKING WATER DISTRIBUTION NETWORK
[M. Aydin](#), [G. Kara](#), and [S. Yildiz](#)
 Selcuk University, Dept. of Environmental Engineering, 42031 Konya, TURKEY
- 04-o-06 PHYSICAL, CHEMICAL AND BIOLOGICAL PROPERTIES OF WATER COLUMN AND SEDIMENT AT THE SEA BASS / SEA BREAM FARM IN THE MIDDLE ADRIATIC, CASE STUDY – MASLINOVA BAY
[S. Matijević](#), [G. Kušpilić](#), [D. Bogner](#), [B. Grbec](#), [M. Morović](#), and [S. Skejčić](#)
 Institute of Oceanography and Fisheries, Laboratory of chemical oceanography and sedimentation of the sea, 21000 Split, CROATIA
- 04-o-07 INFLUENCE OF DIFFERENT KINDS OF ORGANIC MATTER ON SOIL REDUCING CONDITIONS AND ON THE DEGRADATION OF PHENANTHRENE
[E. Molino](#), [M. Biasioli](#), and [F. Ajmone-Marsan](#)
 Università di Torino, DI.VA.P.R.A. - Chimica Agraria, 10095 Grugliasco (TO), ITALY
- 04-o-08 VOLATILE ORGANIC COMPOUNDS IN THE AIR OF STREETS AND INSIDE OF CARS IN THESSALONIKI
[F. Vosniakos](#), [P. Prapas](#), [K. Nikolaou](#), [I. Triantafyllis](#), and [G. Vasilikiotis](#)
 Org. for the Master Plan, and Environmental Protection of Thessaloniki, 54643 Thessaloniki, GREECE
- 04-o-09 METAL SPECIATION IN COASTAL MARINE SEDIMENTS FROM MALIAKOS GULF USING A MODIFIED BCR-SEQUENTIAL EXTRACTION PROCEDURE, CENTRAL GREECE
[E. Rouselaki](#), [F. Botsou](#), and [M. Dassenakis](#)
 University of Athens, Lab. of Environmental Chemistry, 15771 Athens, GREECE

- 04-o-10 ANALYSIS OF AN AIR POLLUTION EVENT OVER THE ALGERIAN COAST WITH THE AID OF THE SKIRON-CAMx MODELS
[F. Saidi](#), [M. Astitha](#), [A. Azzi](#), [B. Meharer](#), [B. Douaiba](#), [L. Aidaoui](#), and [G. Kallos](#)
University of Science and Technology, Oran „Mohamed Boudiaf“, 31000 Oran, ALGERIA
- 04-o-11 SPATIAL AND TEMPORAL DISTRIBUTION OF PESTICIDE RESIDUES IN SURFACE WATERS IN AN AGRICULTURAL BASIN IN NORTH-EASTERN GREECE
[G. Vassiliou](#), [Z. Vryzas](#), [C. Alexoudis](#), and [E. Papadopoulou-Mourkidou](#)
Aristotle University of Thessaloniki, Pesticide Science Laboratory, 54124 Thessaloniki, GREECE
- 04-o-12 CHELATE ASSISTED PHYTOREMEDIATION OF CADMIUM AND LEAD FROM SOILS
[M.S. Yazgan](#) and [O. Vanli](#)
Istanbul Technical University, Fac. of Civil Engineering, Istanbul, TURKEY

13.30 - 15.00 Lunch Break

Friday, Oct. 12th, Afternoon Session

15.00 - 16.00 Session 5
Endocrine Disrupters

Chairpersons [W. Bergheim](#), [P. Gramatica](#), and [L. Madrid](#)

- 05-o-01 ANALYTICAL DETERMINATION OF SYNTHETIC ESTROGENS IN ENVIRONMENTAL WATERS, SLUDGE AND SEDIMENTS: STATE OF THE ART
[A. Leal-Cerro](#) and [A. G. González](#)
University of Sevilla, Dept. of Analytical Chemistry, 41012 Sevilla, SPAIN
- 05-o-02 IN SILICO SCREENING OF ESTROGEN-LIKE CHEMICALS BASED ON QSAR MODELS
[H. Liu](#), [E. Papa](#), and [P. Gramatica](#)
University of Insubria, Dep. of Structural and Functional Biology - QSAR Research Unit, 21100 Varese, ITALY
- 05-o-03 PROGRESS WITH THE PBT EVALUATION, UNCERTAINTIES AND PBT ASSESSMENT UNDER REACH
[A.B. Payá Pérez](#), [H. Magaud](#), [P. Lepper](#), and [B. Schwarz-Schulz](#)
European Commission, J.R.C. - Ispra, Institute for Health and Consumer Protection, 21020 Ispra (VA), ITALY

16.00 - 16.30 Coffee break at Poster Room

- 05-o-01 ANALYTICAL DETERMINATION OF SYNTHETIC ESTROGENS IN ENVIRONMENTAL WATERS, SLUDGE AND SEDIMENTS: STATE OF THE ART
[A. Leal-Cerro](#) and [A. G. González](#)
University of Sevilla, Dept. of Analytical Chemistry, 41012 Sevilla, SPAIN
- 05-o-02 IN SILICO SCREENING OF ESTROGEN-LIKE CHEMICALS BASED ON QSAR MODELS
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- 05-o-03 PROGRESS WITH THE PBT EVALUATION, UNCERTAINTIES AND PBT ASSESSMENT UNDER REACH
[A.B. Payá Pérez](#), [H. Magaud](#), [P. Lepper](#), and [B. Schwarz-Schulz](#)
European Commission, J.R.C. - Ispra, Institute for Health and Consumer Protection, 21020 Ispra (VA), ITALY

- 05-p-01 ROLE OF POLICYCLIC AROMATIC HYDROCARBONS AS ENDOCRINE DISRUPTORS IN A COHORT OF URBAN TRAFFIC POLICEMEN IN SOUTHERN EUROPE
[R. Bono](#), [S. Ghittori](#), [P. Piccioni](#), [D. Traversi](#), [C. Pignata](#), and [L. Chiovato](#)
University of Turin, Dep. of Public Health and Microbiology, 10126 Turin, ITALY
- 05-p-02 POLYCHLORINATED BIPHENYLS (PCBs) IN THE MEDITERRANEAN SEA ATMOSPHERE AND SEAWATER
[J. Castro Jiménez](#), [M. Ghiani](#), [G. Hanke](#), [G. Mariani](#), [H. Skejo](#), [G. Umlauf](#), [J. Wollgast](#), [N. Berrojalbiz](#), [M. Carmen Valle](#), [S. Lacorte](#), and [J. Dachs](#)
European Commission, J.R.C. - Ispra, Institute for Environment and Sustainability, 21020 Ispra (VA), ITALY
- 05-p-03 DIETARY INTAKE IN PREGNANCY AND THE RISK OF HYPOSPADIAS IN 12 EUROPEAN COUNTRIES
[F. Giannandrea](#), [F. Giordano](#), and [I. Figà-Talamanca](#)
Università di Roma „La Sapienza“, Dip. di Biologia Animale e dell'Uomo, 00185 Roma, ITALY
- 05-p-04 SEX STEROIDS IN TAPES PHILIPPINARUM (ADAMS AND REEVE 1850) DURING THE GAMETOGENIC CYCLE: PRELIMINARY RESULTS
[E. Negrato](#), [M. G. Marin](#), [D. Bertotto](#), [C. Simontacchi](#), [V. Matozzo](#), and [C. Poltronieri](#)
University of Padova, Dept. of Biology, 35131 Padova, ITALY
- 05-p-05 DO REPRODUCTIVE CONDITIONS INFLUENCE RESPONSIVENESS OF VITELLOGENIN-LIKE PROTEIN INDUCTION IN CLAMS (TAPES PHILIPPINARUM) EXPOSED TO 4-NONYLPHENOL?
[M.G. Marin](#), [F. Ricciardi](#), and [V. Matozzo](#)
University of Padova, Dept. of Biology, 35131 Padova, ITALY
- 05-p-06 DETERMINATION OF THE METABOLITES OF ALKYLPHENOL ETHOXYLATES AND BISPHENOL A IN WATER SAMPLES USING SPE/LC/MS
[M. Tiggiridou](#), [M. Christodoulidou](#), and [St. Canna-Michaelidou](#)
State General Laboratory, Environmental Chemistry, Ecotoxicology, Pesticides and Radioactivity, 1451 Nicosia, CYPRUS
- 05-p-07 FATE OF ENDOCRINE DISRUPTING COMPOUNDS IN WASTEWATER TREATMENT PLANT
[D. Voutsas](#) and [P. Pothitou](#)
University of Thessaloniki, Chemistry Department, 54124 Thessaloniki, GREECE

- 05-p-08 PASSIVE SAMPLING OF SELECTED ENDOCRINE DISRUPTING COMPOUNDS USING POLAR ORGANIC CHEMICAL INTEGRATIVE SAMPLERS
[A. Arditoglou](#) and [D. Voutsas](#)
University of Thessaloniki, Chemistry Department, 54124 Thessaloniki, GREECE
- 05-p-09 ENDOCRINE DISRUPTING COMPOUNDS IN THE COASTAL ENVIRONMENT OF THERMAIKOS GULF, NORTHERN GREECE
[A. Arditoglou](#) and [D. Voutsas](#)
University of Thessaloniki, Chemistry Department, 54124 Thessaloniki, GREECE
- 06-p-01 FLIES (FLANDERS INDOOR EXPOSURE SURVEY): THE INFLUENCE OF CONTAMINANTS IN AMBIENT AIR ON THE INDOOR AIR QUALITY AND CHILDREN'S EXPOSURE
[K. De Brouwere](#), [E. Goelen](#), [R. Torfs](#), [M. Spruyt](#), and [M. Van Holderbeke](#)
VITO, Dept. of Integrated Environmental Studies, 2400 Mol, BELGIUM
- 06-p-02 ESTIMATING THE ECOLOGICAL PREFERENCE ON BUILDINGS. THE GREEK ENVIRONMENTAL BUILDING ASSESSMENT
[E. Antoniou](#) and [P. Gavril](#)
University of Thessaly, Dept. of Planning and Regional Development, 38334 Volos, GREECE
- 06-p-03 INDOOR AND OUTDOOR NO₂ & OZONE LEVELS IN SCHOOLS OF ESKISEHIR, TURKEY
[O. Ozden](#), [E. Gaga](#), and [T. Dogeroglu](#)
Anadolu University, Dept. of Environ. Engineering, 26480 Eskisehir, TURKEY
- 06-p-04 BENZENE EXPOSURE OF SEVERAL POPULATION GROUPS IN A MEDIUM SIZED SOUTHEASTERN EUROPEAN CITY
[G.A. Pilidis](#), [S. P. Karakitsios](#), and [M.A. Papatheodorou](#)
University of Ioannina, Department of Biological Applications and Technologies, 45110 Ioannina, GREECE
- 06-p-05 INFLUENCE OF GAS ENVIRONMENT WITH THE INCREASED CONTENTS OF CARBONIC GAS ON SLEEP OF HUMAN
[T.A. Shustanova](#) and [A.A. Burikov](#)
Rostov State Pedagogical University, Dept. of Biology Total, 344082, Rostov-on-Don, RUSSIA

Friday, Oct.12th, 2007

- 06-p-06 INDOOR AIR QUALITY IN A PRINTERY INDUSTRY IN ATHENS, GREECE
[I. Michopoulos](#), [Th. Maggos](#), [S. Pateraki](#), [D. Saraga](#), [K. Bairachtari](#), and [Ch. Vasilakos](#)
NCSR DEMOKRITOS, Environmental Research Laboratory, 15310 Athens, GREECE

16.30 - 17.30 Session 6
Indoor Air

Chairpersons [W. Bergheim](#), [P. Gramatica](#), and [L. Madrid](#)

- 06-o-01 CONCENTRATIONS OF VOCs AND OZONE IN INDOOR ENVIRONMENTS:
A CASE STUDY IN TWO MEDITERANEAN CITIES DURING WINTER PERIOD
[J.G. Bartzis](#), [C. Michael](#), [S. Michaelidou](#), [D. Missia](#), [D. Saraga](#), [E. Tolis](#), [S. Psoma](#), [C. Petaloti](#), [D. Kotzias](#), and [J.M. Barero-Moreno](#)
University of West Macedonia, Dept. of Engineering and Management of Energy Resources, 50100 Kozani, GREECE

- 06-o-02 AN EVACUATON SYSTEM FOR EXTRAORDINARY INDOOR AIR POLLUTION CIRCUMSTANCES
[I. R. Karas](#) and [F. Batuk](#)
Gebze Institute of Technology, Dept. of Geodetic and Photogrammetric Engineering, 41400 Gebze-Kocaeli, TURKEY

- 06-o-03 TOXICOGENOMIC STUDY OF INDOOR AND OUTDOOR AIR CHEMICAL MIXTURES
[E. Marafante](#), [G. Cimino Reale](#), and [D. Sarigiannis](#)
European Commission, Joint Research Centre, 21020 Ispra (VA), ITALY

- 06-o-04 RADIOLOGICAL UNDERGROUND EXPOSURE: THE TAV TUNNEL IN VALLE DI SUSA (ITALY)
[L. Bonavigo](#), [M. Zucchetti](#)
Politecnico di Torino, DENER - Dipartimento di Energetica, 10129 Torino, ITALY

17.30 - 18.30 Poster discussion in plenary session

Chairpersons [P. Ciffroy](#), [N. Sotiriou](#), and [T. Undabeytia](#)

19.30 General Assembly of MESAEP

Saturday, Oct.13th

07.00 Excursion to Doñana National Park. Departure from Hotel Al-Andalus

Maximum number of persons is 300, the price will be 70€/pax

The visitors will be divided into two groups.

From 8.00-10.30 the first group will visit on special trucks the Northern Park (dunes).

From 10.30-13.00 this group will continue the visit the Natural Park on horse carriages.

The second group will do the opposite itinerary.

13.30 A field lunch will be served at a special place of the National Park

At the end of the visit we will come back to Seville.

21.00 Gala Dinner at Hotel Al-Andalus

Sunday, Oct.14th, Morning Session

09.00 - 10.00 Plenary Lecture

ADVERSE IMPACTS OF WASTE WATER TREATMENT – A CASE STUDY
[W. C. Koskinen](#) and [D. S. DeVault](#)
 USDA-Agricultural Research Service, St. Paul, MN, 55108, USA

10.00 - 11.30 Session 7 Waste Management

Chairpersons [L. Cox](#), [N. Senesi](#), and [A. Yediler](#)

- 07-o-01 CORRELATION STRUCTURE AMONG CHEMICAL-PHYSICAL VARIABLES MEASURED IN MUNICIPAL SOLID WASTE DISPOSAL
[R. Caggiano](#), [R. Coppola](#), [M. D'Emilio](#), [M. Macchiato](#), [S. Martire](#), [M. Ragosta](#), and [S. Sabia](#)
 CNR, Istituto di Metodologie per l'Analisi Ambientale, Potenza, ITALY
- 07-o-02 FINGERPRINTING THE ORGANIC MATTER CONTENT OF WASTEWATERS: SEQUENTIAL FILTRATION/ULTRAFILTRATION FOR PARTICLE SIZE DISTRIBUTION-BASED COD FRACTIONATION
[E. Dulekgurgen](#), [S. Doğruel](#), [T. Ölmez](#), [İ. Arslan-Alaton](#), and [D. Orhon](#)
 Istanbul Technical University, Environ. Engineering Dept., 34469 Maslak, Istanbul, TURKEY
- 07-o-03 WASTE MANAGEMENT PRAXIS IN THE AUTOMOTIVE INDUSTRY ACCORDING TO ISO 14001
[O. Hanhan Tikin](#)
 Mercedes - Benz Türk A.S., Quality Management Department, Hadimköy-Istanbul, TURKEY
- 07-o-04 IMPLEMENTATION OF THE DENITRIFYING PHOSPHORUS REMOVAL PROCESS IN MUNICIPAL WASTEWATER TREATMENT
[A. G. Kapagiannidis](#) and [A. Aivasidis](#)
 Democritus University of Thrace, Dept. of Environmental Engineering, 67100 Xanthi, GREECE
- 07-o-05 TIO₂-PHOTOCATALYZED DEGRADATION OF PHENOLIC ACID CONTAMINANTS PRESENT IN OLIVE MILL WASTEWATER
[M. Boumhara](#), [B. Tabyaoui](#), [I.T. Lançar](#), [M. Tabyaoui](#), and [M. Bakasse](#)
 University Chouaib Doukkali, Fac. Sciences, Dept. of Chemistry, 24000 El Jadida, MOROCCO

- 07-o-06 THE DETERMINATION OF ANTIBIOTICS AND DEGRADATION PRODUCTS IN WASTE WATER
[M. Vávrová](#), [J. Čáslavský](#), [L. Vydrová](#), [H. Vítečková](#), and [R. Opatřilová](#)
 Brno University of Technology, Institute of Chemistry and Technology of Environmental, 612 00 Brno, CZECH REPUBLIC

11.30 - 12.00 Coffee break at Poster room

- 07-p-001 WASTEWATER TREATMENT AND REUSE BY CONSTRUCTED WETLAND SYSTEMS
[L. Akça](#), [S. Ç. Ayaz](#), and [C. Kinacı](#)
 Istanbul Techn. University, Environ. Engineering Dept., 34456 Maslak, Istanbul, TURKEY
- 07-p-002 ADSORPTION-DESORPTION OF PESTICIDES BY SOILS AMENDED WITH WOOD RESIDUES AFTER DIFFERENT INCUBATION TIMES
[M.S. Rodríguez-Cruz](#), [M.S. Andrades](#), and [M.J. Sánchez-Martín](#)
 Universidad de La Rioja, Department of Agriculture and Food, 26006 Logroño, SPAIN
- 07-p-003 MONITORING OF DI-(2-ETHYLHEXYL)PHTHALATE, NONYLPHENOL, NONYLPHENOL ETHOXYLATES AND POLYCHLORINATED BIPHENYLS IN ANAEROBIC AND AEROBIC SEWAGE SLUDGE BY GAS CHROMATOGRAPHY-MASS SPECTROMETRY
[J. L. Santos](#), [M. M. González](#), [I. Aparicio](#), and [E. Alonso](#)
 University of Seville, Dept. of Analytical Chemistry, 41011 Seville, SPAIN
- 07-p-004 TREATABILITY OF A SIMULATED SPENT DISPERSE DYE BATH WITH ELECTROCOAGULATION
[I. Arslan-Alaton](#), [G. Turkoglu](#), and [I. Kabdaşlı](#)
 Istanbul Technical University, Environmental Engineering Dept., Istanbul, TURKEY
- 07-p-005 STREAM AND SOLID WASTE POLLUTION ASSESSMENT AT THE EASTERN BLACK SEA REGION, TURKEY
[S.S. Nas](#) and [A. Bayram](#)
 Karadeniz Technical University, Dept. of Civil Engineering, 29000 Gümüşhane, TURKEY
- 07-p-006 INTEGRATION OF GIS, RS AND MULTI CRITERIA ANALYSIS FOR LANDFILL SITE SELECTION: ISTANBUL EUROPEAN SITE CASE STUDY
[F. Bektaş Balçık](#), [A.Ö. Doğru](#), [B. Şener](#), [F.B. Şanlı](#), [Ç. Göksel](#), [N. Uluğtekin](#), and [S. Sözen](#)
 Istanbul Technical University, Geodesy and Photogrammetry Department, Remote Sensing Division, 34469 Maslak, Istanbul, TURKEY

- 07-p-007 SOURCE SEPARATED URINE AS A SOURCE OF PLANT NUTRIENTS AND A SUGGESTION FOR ITS USE VIA INDIRECT ROUTE
[B. Beler Baykal](#), [S. Bayram](#), and [A. D. Allar](#)
Dept. Environ Engin, Istanbul Techn. University, Istanbul, TURKEY
- 07-p-008 PIG SLURRY DEPURATED BY CONSTRUCTED WETLAND
[A. Caballero](#), [A. Faz](#), and [J.B. Lobera](#)
Universidad Politécnica de Cartagena, Soil and water use, Management and Remediation research group, 30203 Cartagena, SPAIN
- 07-p-009 "IN SITU" AMENDMENTS AND REVEGETATION REDUCE TRACE ELEMENT LEACHING IN A CONTAMINATED SOIL
[A. Pérez-de-Mora](#), [P. Burgos](#), [F. Cabrera](#), and [E. Madejón](#)
CSIC, Inst. de Recursos Naturales y Agrobiología, 41012 Sevilla, SPAIN
- 07-p-010 PERSISTENCE OF DIURON IN AN ORGANIC AMENDED SOIL: A FIELD STUDY
[A. Cabrera](#), [L. Cox](#), [P. Velarde](#), and [J. Cornejo](#)
CSIC, Inst. de Recursos Naturales y Agrobiología, 41012 Sevilla, SPAIN
- 07-p-011 TOTAL RECYCLING OF OLIVE MILL WASTES BY INTEGRATED PHYSICAL, PHYSICO-CHEMICAL, CHEMICAL AND BIOLOGICAL TECHNOLOGIES
[R. Capasso](#), [A. De Martino](#), [F. Sannino](#), and [M. Iorio](#)
University of Napoli „FEDERICO II „, Dipartimento di Scienze del Suolo, della Pianta, dell'Ambiente e della Produzione Animale (DiSSPAPA), 80055 Portici (NA), ITALY
- 07-p-012 WASTE MANAGEMENT PRACTICE IN TURKISH SHIPYARDS
[U.B. Celebi](#), [F.T. Akanlar](#), and [N. Vardar](#)
Yildiz Technical University, Naval Architecture and Marine Engineering Dept., 34349 Istanbul, TURKEY
- 07-p-013 THE FATE OF KINETIC PARAMETERS ON BIOLOGICAL TREATMENT OF RAW AND ANAEROBICALLY PRE- TREATED WASTEWATER
[E. Cetin](#)
Istanbul University, Dept. of Environmental Engineering, Istanbul, TURKEY
- 07-p-014 THE POTENTIAL USE OF VEGETABLE OIL REFINING SLUDGE IN AGRICULTURE
[D. Dolgen](#), [M.N. Alpaslan](#), and [N. Delen](#)
Dokuz Eylül University, Department of Environmental Engineering, Izmir, TURKEY

- 07-p-015 TROUBLESHOOTING FOR COD EXPERIMENTS: COMPARATIVE EVALUATION OF OPEN AND CLOSED REFLUX PROCEDURES FOR DETERMINATION OF COD FROM ACETATE
[E. Dulekgurgen](#)
Istanbul Technical University, Environ. Engineering Dept., 34469 Maslak, Istanbul, TURKEY
- 07-p-016 PREPARATION, CHARACTERIZATION AND APPLICATION OF ACTIVATED CARBON DERIVED FROM OLIVE STONE IN WASTEWATER TREATMENT
[G.E. Sharaf El-Deen](#) and [A.A.M. Daifullah](#)
Atomic Energy Authority, Hot Lab. Centre, P.O. 13759, Cairo, EGYPT
- 07-p-017 INVESTIGATION OF IN-SEWER TREATMENT PROCESSES
[E. Buyuk](#), [E. Erdim](#), and [L. Akca](#)
Istanbul Techn. University, Environ. Engineering Dept., 34456 Maslak, Istanbul, TURKEY
- 07-p-018 ADSORPTION PROPERTIES OF ACTIVATED CARBONS FROM PEACH STONES PREPARED BY CHEMICAL ACTIVATION WITH K₂CO₃
[H.F. Gerçel](#) and [Ö. Gerçel](#)
Anadolu University, Dept. of Environmental Engineering, 26470 Eskisehir, TURKEY
- 07-p-019 COMBINED ANAEROBIC TREATMENT OF DOMESTIC WASTEWATER AND LANDFILL LEACHATE AT PSYCHROPHILIC TEMPERATURES
[C. Y. Gomec](#), [D. I. Cifci](#), and [C. Kinaci](#)
Istanbul Technical University, Environ. Engineering Dept., 34469 Maslak, Istanbul, TURKEY
- 07-p-020 A NEW APPROACH FOR WASTEWATER AND SEWAGE SLUDGE DISINFECTION: INACTIVATION OF SALMONELLA SPP. BY LOW-FREQUENCY ELECTROMAGNETIC FIELDS
[C. Keles](#), [G. Tugrul-Icemer](#), and [S. Ozen](#)
Akdeniz University, Faculty of Engineering, Dept. of Environ. Engineering, 07200 Antalya, TURKEY
- 07-p-021 BATHING WATER QUALITY ASSESSMENT IN ANTALYA BEACHES: LEVELS AND HEALTH RISKS OF FECAL INDICATORS IN SEAWATER AND BEACH SAND
[G. Tugrul-Icemer](#), [S. Minta](#), [A. Pekiylmaz](#), [C. Keles](#)
Akdeniz University, Faculty of Engineering, Dept. of Environ. Engineering, 07200 Antalya, TURKEY

- 07-p-022 TREATMENT OF NAPHTHALENE SULPHONIC ACIDS USED AS DYE ASSISTING IN TEXTILE INDUSTRY BY ELECTROCOAGULATION
[I. Arslan-Alaton, I. Kabdaşlı, O. Tünay, and Z. Çekirge](#)
Istanbul Technical University, Civil Engineering Faculty, 34469 Istanbul, TURKEY
- 07-p-023 PROPOSALS ON THE CITY OF NIKEA REFORM OF STREETCLEANSING COLLECTION SYSTEM. APPLICATION OF CLEAN INDICATORS METHODOLOGY
[P. Konstantinidis, K. Markanastasaki, M. Sideri, and J.K. Kaldellis](#)
TEI of Piraeus, Mechanical Eng. Dept., Lab of Soft Energy Applications & Environmental Protection, 12201 Athens, GREECE
- 07-p-024 CHARACTERIZATION AND TREATMENT OF GOLD REFINERY EFFLUENTS
[Ö. Karahan](#)
Istanbul Technical University, Fac. of Civil Engineering, 34469 Maslak, Istanbul, TURKEY
- 07-p-025 USAGE OF TREATED DOMESTIC WASTEWATER IN IRRIGATION: AN EXAMPLE OF TURKEY
[C. Kinaci, M. Çakmakcı, M. Yazgan, and Ö. Çınar](#)
Istanbul Technical University, Environmental Engineering Division, Istanbul, TURKEY
- 07-p-026 TREATMENT OF PULP BLEACHING EFFLUENT BY CATALYTIC OZONATION PROCESS
[Ç. Kivılcımdan and I. Akmehmet Balcıoğlu](#)
Middle East Technical University, Dept. of Environmental Engineering, 06531 Ankara, TURKEY
- 07-p-027 GENERAL PLAN FOR THE INTEGRAL TREATMENT, MANAGEMENT AND VALORISATION OF WASTE GENERATED DURING THE PRODUCTION PROCESS OF VIRGIN OLIVE OIL
[A. Lara, J. R. Perán, A. Calvo, J. López, and P. Gatón](#)
CARTIF / Trainalba S.L., Dept. of Mechanical Engineering, 47151 Boecillo (Valladolid), SPAIN
- 07-p-028 EFFECTS OF DE-OILED TWO-PHASE OLIVE MILL WASTE ADDITION TO SOIL ON SORPTION, DEGRADATION AND LEACHING OF THE HERBICIDE TERBUTILAZINE
[A. López-Piñeiro, D. Cabrera, A. Albarrán, and A. Muñoz](#)
Universidad de Extremadura, Edafología y Química Agrícola, 06071 Badajoz, SPAIN

- 07-p-029 LONG-TERM IMPACTS OF SUGAR CANE WASTEWATER IRRIGATION ON FERRALITIC SOILS
[C. Maqueda, A. Rosabal, E. Morillo, and T. Undabeytia](#)
CSIC, Instituto de Recursos Naturales Y Agrobiología, Apdo 1052 Sevilla, SPAIN
- 07-p-030 RECYCLING OF WET OLIVE CAKE "ALPERUJO" THROUGH TREATMENT WITH FUNGI AND SUBSEQUENT VERMICOMPOSTING
[R. Nogales, M. Saavedra, and E. Benítez](#)
Estacion Experimental del Zaidin, CSIC, Ciencias de la Tierra y Quimica Ambiental, 18008 Granada, SPAIN
- 07-p-031 ENHANCED DIURON SOIL SORPTION USING MEDITERRANEAN AGROINDUSTRIAL WASTES
[E. Romero, J. D. Fernández-Bayo and R. Nogales](#)
Estacion Experimental del Zaidin, CSIC, Ciencias de la Tierra y Quimica Ambiental, 18008 Granada, SPAIN
- 07-p-032 THE BULKING AND BULGING PROBLEMS THAT CAUSING BY FILAMENTOUS MICROORGANISMS
[N. Ogleni, A. Aras, and O. Ogleni](#)
Sakarya University, Environmental Engineering, 54040 Sakarya, TURKEY
- 07-p-033 INVESTIGATION OF ACID PHASE PRODUCTS USING COW RUMEN BASED ANAEROBIC MIXED CULTURE
[Y.A. Oktem, N. Sivri, and S. G. Pozan](#)
Istanbul University, Engineerin Faculty, Environmental Eng., 34320 Istanbul, TURKEY
- 07-p-034 WITHIN BOG VARIATION OF 210PB PROFILES: IMPLICATIONS FOR DATING PEAT CORES
[C. Ollid, J. Garcia Orellana, P. Masqué Barri, A. Martínez Cortizas, and E. Peiteado](#)
University Autònoma de Barcelona, Dept. of Physics, 08193 Cerdanyola, SPAIN
- 07-p-035 EFFECT OF CHEMICAL TREATMENT ON THE AROMATIC CARBON CONTENT AND PARTICLE SIZE DISTRIBUTION-BASED ORGANIC MATTER PROFILE OF OLIVE MILL WASTEWATERS
[T. Ölmez, E. Dulekgurgen, İ. Arslan-Alaton, and D. Orhon](#)
Istanbul Technical University, Civil Engineering Faculty, Dept. of Environ. Eng., 80626 Maslak, Istanbul, TURKEY

- 07-p-036 PHOTOCATALYTIC TREATMENT OF PHENOL WITH VISIBLE LIGHT IRRADIATION
[T. Ölmez](#)
Istanbul Technical University, Civil Engineering Faculty, Dept. of Environ. Eng., 80626 Maslak, Istanbul, TURKEY
- 07-p-037 OZONATION OF OXYTETRACYCLINE IN MANURE AND WASTEWATER
[M. Ötker Uslu and I.A. Balcioglu](#)
Bogazici University, Inst. of Environ. Science, Istanbul, TURKEY
- 07-p-038 OZONATION OF ANTIBIOTICS IN SYNTHETIC PHARMACEUTICAL WASTEWATER
[M. Ötker Uslu and I.A. Balcioglu](#)
Bogazici University, Inst. of Environ. Science, Istanbul, TURKEY
- 07-p-039 THE ADSORPTION OF MTBE ON COALS
[M. Ozmak, S. Bal, and Z. Aktas](#)
Ankara University, Faculty of Engineering, Dept. of Chemical Eng., 06100 Ankara, TURKEY
- 07-p-040 NUTRIENT CONCENTRATIONS IN THE INNER SARONIKOS GULF AFTER THE SEWAGE SECONDARY TREATMENT
[A. Pavlidou and R. Psyllidou – Giouranovits](#)
National Centre for Marine Research, Inst. of Chemistry, 19013 Anavyssos - Athens, GREECE
- 07-p-041 STABILIZATION OF HEAVY METALS BY USE OF CONSTRUCTION AND DEMOLITION RESIDUES (CDRS): A PRELIMINARY APPROACH
[C. Pérez-Sirvent, M.J. Martínez-Sánchez, M.J. Martínez-Pujante, J. López, and M.L. García-Lorenzo](#)
University of Murcia, Department of Agricultural Chemistry, Geology and Pedology, 30100 Murcia, SPAIN
- 07-p-042 PRODUCTION OF METHANE FROM DISTILLERY WASTEWATER USING ANAEROBIC CO- DIGESTION
[G.A. Pilidis, X.A. Boutsiadou, and I.S. Zarkadas](#)
University of Ioannina, Department of Biological Applications and Technologies, 45110 Ioannina, GREECE
- 07-p-043 BIOSORPTION OF COPPER (II) FROM AQUEOUS SOLUTIONS BY USING SACCHAROMYCES CEREVISIAE
[M. Sarioglu and U.A. Guler](#)
Cumhuriyet University, Environmental Eng. Dept., 58140 Sivas, TURKEY
- 07-p-044 A STUDY ON THE TOXIC SUBSTANCES IN A STREAM ORIGINATING FROM DUMPSITE OF A TOWN (Sivrice, Türkiye)
[B. Sen, O. Canpolat, and M.A.T. Kocer](#)
Firat University, Fisheries Faculty, Dept. of Basic Aquatic Sciences, 23119 Elazig, TURKEY
- 07-p-045 SOIL FACTORS RELATED TO HEAVY METAL BIOAVAILABILITY AFTER SEWAGE SLUDGE APPLICATION
[J.M. Soriano-Disla, I. Gómez, C. Guerrero, M. Jordan, and J. Navarro-Pedreño](#)
University Miguel Hernandez, Dept. of Agrochemistry and Environment, 03202 Elche, SPAIN
- 07-p-046 EFFECTS OF EXTRACELLULAR POLYMERIC SUBSTANCES (EPS) AND PHYSICO-CHEMICAL PROPERTIES OF ANAEROBIC GRANULES ON SLUDGE SETTLING
[D.T. Sponza and H. Atalay](#)
Dokuz Eylül University, Engineering Faculty, Dept. of Environmental Engineering, 35160 Buca-Izmir, TURKEY
- 07-p-047 PROGRESS IN USE OF FERRATE (VI) AS AN OXIDANT WASTEWATER TREATMENT: OXIDATION OF P-COUMARIC ACID AND VANILLIC ACID BY FERRATES K₃FeMnO₈
[I. Bouhssine, A. Tazi, M. Boumhara, B. Tabyaoui, M. Tabyaoui, I.T. Lançar, and M. Azzi](#)
University Chouaib Doukkali, Fac. Sciences, Dept.of Chemistry, 24000 El Jadida, MOROCCO
- 07-p-048 HEALTH-CARE WASTE MANAGEMENT IN COASTAL AREAS
[I. C. Genç, H. Taşkınsoy, and B. Topkaya](#)
Akdeniz University, Faculty of Engineering, Dept. of Environ. Engineering, 07200 Antalya, TURKEY
- 07-p-049 COMBATING BULKING SLUDGE WITH PHYSICAL AND CHEMICAL METHODS
[I. Yilmaz, G.T. Icemer, and B. Topkaya](#)
Akdeniz University, Faculty of Engineering, Dept. of Environ. Engineering, 07200 Antalya, TURKEY
- 07-p-050 SLUDGE MANAGEMENT PROPOSAL FOR TOURISTIC COASTAL AREAS
[I. Yilmaz and B. Topkaya](#)
Akdeniz University, Faculty of Engineering, Dept. of Environ. Engineering, 07200 Antalya, TURKEY

- 07-p-051 THE USAGE OF GIS IN LANDFILL SITE SELECTION
[I. Bahçeci](#) and [B. Topkaya](#)
 Akdeniz University, Faculty of Engineering, Dept. of Environ. Engineering,
 07200 Antalya, TURKEY
- 07-p-052 PACKAGING WASTE MANAGEMENT: ANTALYA CITY CASE STUDY
[S. Uçaroglu](#), [D. Ünver](#), and [B. Topkaya](#)
 Akdeniz University, Faculty of Engineering, Dept. of Environ. Engineering,
 07200 Antalya, TURKEY
- 07-p-053 THE DETERMINATION OF SELECTED „MUSK“ COMPOUNDS IN WASTE
 WATER AND SEWAGE SLUDGES
[M. Vávrová](#), [J. Čáslavský](#), [J. Mareš](#), and [M. Mášová](#)
 Brno University of Technology, Institute of Chemistry and Technology of
 Environmental, 612 00 Brno, CZECH REPUBLIC
- 07-p-054 A RAPID METHOD FOR DETERMINATION OF TOTAL LAS IN SEWAGE
 SLUDGE BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY
 (HPLC) AND CAPILLARY ELECTROPHORESIS (CE) AFTER MICROWAVE
 EXTRACTION
[M. Villar](#), [P. Villar](#), [M. Callejón](#), [J.C. Jiménez](#), [E. Alonso](#), and [A. Guiráum](#)
 University of Seville, Dept. of Analytical Chemistry, 41012 Seville, SPAIN
- 07-p-055 EVOLUTION OF POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
 AND HEAVY METALS IN SLUDGE SAMPLES FROM CONVENTIONAL
 WASTEWATER TREATMENT PLANTS
[P. Villar](#), [M. Villar](#), [M. Callejón](#), [E. Alonso](#), [J. C. Jiménez](#), and [A. Guiráum](#)
 University of Seville, Dept. of Analytical Chemistry, 41012 Seville, SPAIN
- 07-p-056 ARSENIC REMOVAL FROM WATERS BY ZERO-VALENT IRON: COLUMN
 STUDIES
[D. Voutsas](#), [L. Antonoglou](#), and [E. Lazou](#)
 University of Thessaloniki, Chemistry Department, 54124 Thessaloniki,
 GREECE
- 07-p-057 HEAVY METALS SPECIATION IN SEWAGE SLUDGE STABILISED WITH
 FENTON'S REAGENT
[E. Wiśniewska](#), [M. Włodarczyk-Makuła](#), and [M. Janosz-Rajczyk](#)
 Technical University of Czestochowa, Department of Water and Wastewater
 Technology and Environmental Chemistry, 42-200 Czestochowa, POLAND
- 07-p-058 CHANGES OF SELECTED MICROPOLLUTANTS CONTENT IN
 CHEMICALLY STABILISED SEWAGE SLUDGE
[E. Wiśniewska](#) and [M. Janosz-Rajczyk](#)
 Technical University of Czestochowa, Department of Water and Wastewater
 Technology and Environmental Chemistry, 42-200 Czestochowa, POLAND

- 07-p-059 IMPACT OF SEWAGE SLUDGE ADDED TO THE SOIL ON LEACHING
 PAHs, PCBs AND AOX
[M. Włodarczyk-Makuła](#) and [M. Janosz-Rajczyk](#)
 Technical University of Czestochowa, Department of Water and Wastewater
 Technology and Environmental Chemistry, 42-200 Czestochowa, POLAND
- 07-p-060 SPECIATION OF HEAVY METALS IN SOIL AMENDED WITH SEWAGE
 SLUDGE
[M. Włodarczyk-Makuła](#), [E. Wiśniewska](#), and [M. Janosz-Rajczyk](#)
 Technical University of Czestochowa, Department of Water and Wastewater
 Technology and Environmental Chemistry, 42-200 Czestochowa, POLAND
- 07-p-061 THE ANAEROBIC PRE-TREATMENT OF HIGH STRENGTH LANDFILL
 LEACHATE
[G. Yilmaz](#)
 Istanbul University, Dept. of Environmental Engineering, Istanbul, TURKEY
- 07-p-063 COMPARISON AND MODELING OF THE HYDRAULIC PERFORMANCE
 OF A MEMBRANE SEQUENCING BATCH REACTOR (MSBR) FED WITH
 SYNTHETIC WASTEWATER AND LANDFILL LEACHATE
[A. Zouboulis](#), [J. Tsilogeorgis](#), [P. Samaras](#), and [D. Zamboulis](#)
 Aristotle University of Thessaloniki, Department of Chemistry, 54124
 Thessaloniki, GREECE
- 07-p-064 COPPER AND ZINC CONCENTRATIONS IN FEEDSTUFFS OF DIFFERENT
 LIVESTOCK ACTIVITIES IN MIDDLE GREECE
[C. Makridis](#), [G. Pilidis](#), [C. Svarnas](#), [N. Rigas](#), and [L. Roka](#)
 Technological Education Institute of Larissa, Dept. of Animal Production,
 41111 Larissa, GREECE
- 07-p-065 THE PORT WASTE MANAGEMENT SYSTEM: EVALUATION OF TURKISH
 PORTS
[G.B. Alkan](#), [G. Aydin](#), [C. Bayat](#), and [O.A. Bak](#)
 İstanbul University, Dept. of Maritime Transport and Management
 Engineering, 34850 İstanbul, TURKEY

12.00 - 13.00 Plenary Lecture

CLIMATIC DISTURBANCES TO THE WATER CYCLE IN THE WESTERN
 MEDITERRANEAN BASIN: ORIGIN AND PROPAGATION TO REGIONAL
 - EUROPEAN AND GLOBAL SCALES

[M.M. Millán](#)

CEAM, Parque Tecnológico, 46980 Paterna (Valencia), SPAIN

13.00 - 14.30 Lunch Break

Sunday, Oct.14th, Afternoon Session

14.30 - 16.00 Session 8

Ecosystem Function - Ecotoxicology

Chairpersons A. Gotti, E. Morillo, and B. Topkaya

- 08-o-01 EFFECTS OF NEW ANTIFOULING PAINTS ON THE MACROFOULING BIOCOENOSIS OF HARD SUBSTRATUM IN THE LAGOON OF VENICE
F. Cima, A. Menin and L. Ballarin
University of Padova, Dept. of Biology, 35100 Padova, ITALY
- 08-o-02 PROTEOMICS AND ABSOLUTE TRANSCRIPT EXPRESSION SIGNATURES IN FREE-LIVING MUS SPRETUS TO MONITOR TERRESTRIAL ECOSYSTEMS
J. Ruiz-Laguna, R. Montes-Nieto, C.A. Fuentes-Almagro, N. Abril, J.L. Gómez-Ariza, J. López-Barea, and C. Pueyo
Universidad de Córdoba, Departamento de Bioquímica y Biología Molecular, 14071 Cordoba, SPAIN
- 08-o-03 3D COASTAL EROSION ANALYSIS OF KILYOS-KARABURUN REGION USING MULTI-TEMPORAL SATELLITE IMAGE DATA
S. Kaya, D.Z. Seker, E. Sertel, R.M. Alkan, and H. Maras
Istanbul Technical University, Civil Eng. Faculty, 34469 Istanbul, TURKEY
- 08-o-04 CONDITIONS OF ELIMINATION OF ENVIRONMENTAL POLLUTION IN INSECT MANAGEMENT
R. Tykva, J. Hlavacek, B. Bennettova, J. Slaninova, J. Novak, V. Nemeč, J. Cerny, V. Vlasakova, and J. Holik
Academy of Sciences, Dept. of Radioisotopes, 16610 Praha 6, CZECH REP.
- 16.00 - 16.30 Coffee break at Poster Room
- 08-p-01 TOXICITY OF FUNGICIDE TEBUCONAZOLE TO AN ESTUARINE AND A FRESHWATER ORGANISM
O. Andreu-Sánchez and J.M. Carrasco-Dorrien
Politechnic University of Valencia, Dept. of Biotechnology/ ETSIA Agronomos, 46022 - Valencia, SPAIN
- 08-p-02 USE OF CULTURE COLLECTION (GAZI MACC/TURKEY) FOR HEAVY METAL EFFECTS, TOXINS AND PRESERVATION OF MICROALGAE
T. Atıcı, H. Katircioğlu, and B.S. Akin
Gazi University, 06500 Ankara, TURKEY

- 08-p-03 A DIFFERENT WAY FOR A EARLIER BIO-INDICATION OF ENVIRONMENTAL POLLUTION
P. Bassi and A. Basile
University „La Sapienza“, Dept. of Plant Biology, 00185 Rome, ITALY
- 08-p-04 IDENTIFICATION OF ANTHROPOGENIC PRESSURES ON ANTINIOTI LAGOON, A NATURA 2000 SITE IN NORTHERN CORFU (GREECE)
E. Aperi, F. Botsou, B. Mantzara, D. Faloutsos, and M. Scoullous
University of Athens, Dept. of Chemistry, Lab. of Environmental Chemistry, 15771 Athens, GREECE
- 08-p-05 ENVIRONMENTAL RESIDUES IN GAME ANIMALS. 5 YEARS IN RESEARCH EVALUATION
C. Brini, R. Orusa, M.C. Abete, S. Robetto, and L. Sala
Servizio Veterinario, Azienda Sanitaria Locale 12 Biella, 13900 BIELLA, ITALY
- 08-p-06 HEMATOLOGICAL INDICES OF THE AZOV SEA ROUND GOBY NEOGOBIUS MELANOSTOMUS
O.A. Rudnitskaya, L.A. Bugayov and A.S. Zasyad'ko
Research Institute of the Azov Sea Fishery Problems (AzNIIRKH), Rostov-on-Don, 344007, RUSSIA
- 08-p-07 MODELING THE MOBILITY OF Mn IN COASTAL SEDIMENTS COVERED WITH CYANOBACTERIAL MATS
M. Ladakis, S. Triantafyllaki, E. Rousselaki, and M. Dassenakis
University of Athens, Lab. of Analytical Chemistry, 15771 Athens, GREECE
- 08-p-08 DETERMINATION OF NUTRIENT STATE IN THE MOUSTOS LAGOON, GREECE
Th. Paramana, S. Poulos, and M. Dassenakis
University of Athens, Lab. of Analytical Chemistry, 15771 Athens, GREECE
- 08-p-09 ECOTOXICOLOGICAL EVALUATION OF A SOIL CORE FROM A DISUSED INDUSTRIAL SITE CONTAMINATED BY HYDROCARBONS AND HEAVY METALS
S. Manzo, F. De Luca Picione, R. Musella, R. Carotenuto, and A. Rocco
ENEA - Centro Ricerche Portici, 80055 Portici (Napoli), ITALY
- 08-p-10 CADMIUM UPTAKE BY HOLM OAK (QUERCUS ILEX SUBSP. BALLOTA) IN POLLUTED SOILS: DESCRIPTIVE AND EXPERIMENTAL APPROACHES
M. T. Domínguez, T. Marañón, and J. M. Murillo
CSIC, Inst. de Recursos Naturales y Agrobiología, 41012 Sevilla, SPAIN

- 08-p-11 WILL COASTAL WETLANDS BE STILL ALIVE FOR BIRDS? AN OVERVIEW OF WEST MEDITERRANEAN REGION OF TURKEY
[A. Erdoğan, A. Aslan, and H. Sert](#)
 Akdeniz University, Dept. of Biology, 07059 Antalya, TURKEY
- 08-p-12 METALLOMICS: A NEW TOOL FOR ENVIRONMENTAL POLLUTION ASSESSMENT
[M. Gonzalez-Fernandez, T. Garcia-Barrera, A. Arias-Borrego, C. Pueyo, J. Lopez-Barea, and J.L. Gomez-Ariza](#)
 University of Huelva, Dept. of Chemistry & Materials Sciences, 21007 Huelva, SPAIN
- 08-p-13 THE ENVIRONMENTAL CONDITIONS IN A HISTORICAL VALUE LAKE (KOUMOUNDOUROU LAKE, ATTICA, GREECE)
[K. C. Gritzalis and A. C. Diapoulis](#)
 Hellenic Center for Marine Research, Institute of Inland Waters, 19013 Anavyssos, GREECE
- 08-p-14 ATRAZINE EFFECTS ON GROWTH OF THE DIATOM RHIZOLENIA SETIGERA EHRENBERG
[E. Kalopesa, G. Nikolaidis, and U. Menkissoglu-Spirudi](#)
 Aristotle University of Thessaloniki, Fac. of Biology, Dept. of Botany, 54124 Thessaloniki, GREECE
- 08-p-15 THE STUDY OF BIOLOGICAL PHENOMENON ADEN SEA: GREENNESS, LIGHT EMISSION AND HARMFUL ODOURS
[Khaled S. Ali, Abdul-Hakim A.Ghani, and Saeed S. Mohamed](#)
 University of Aden, Dept. of Biology, Aden, YEMEN
- 08-p-16 APPLICATION OF THE METHOD OF MAGNETIC PERMEABILITY IN SOIL - ECOLOGICAL RESEARCHES
[T.V. Denisova and S. I. Kolesnikov](#)
 Southern Federal University, Dept. of Ecology, 344006 Rostov on Don, RUSSIA
- 08-p-17 METAPROTEOMICS OF SOILS FROM DOMINGO RUBIO STREAM (SW SPAIN)
[E.C. Santos, E. Chicano-Galvez, L.R. Durrant, J.C. Fernández-Caliani, J.L. Gómez-Ariza, and J. López-Barea](#)
 Universidad de Córdoba, Departamento de Bioquímica y Biología Molecular, 14071 Cordoba, SPAIN

- 08-p-18 RESPONSE OF BIOCHEMICAL BIOMARKERS IN CRABS FROM THE DOMINGO RUBIO STREAM (SW SPAIN)
[R. Montes-Nieto and J. López-Barea](#)
 Universidad de Córdoba, Departamento de Bioquímica y Biología Molecular, 14071 Cordoba, SPAIN
- 08-p-19 TOXICITY OF SOILS AFFECTED BY A PYRITE TAILING SPILL
[M. Diez, I. García, F. Martín, M. Simón, and C. Dorronsoro](#)
 University of Granada, Edafología y Química Agrícola, 18071 Granada, SPAIN
- 08-p-20 BIOMONITORING OF CHLORINATED PESTICIDES AND PCBS IN THE EASTERN ADRIATIC COASTAL WATERS USING MUSSELS MYTILUS GALLOPROVINCIALIS AS INDICATOR
[V. Milun and T. Zvonaric](#)
 Institute of Oceanography and Fisheries, Laboratory of Chemical Oceanography and Sedimentology of the Sea, 21000 Split, CROATIA
- 08-p-21 ECOTOXICOLOGICAL EVALUATION OF THE EFFECT OF LAMBRO TRIBUTARY ON SEDIMENT QUALITY OF THE RIVER PO (ITALY)
[M. Mingazzini, M.T. Palumbo, and L. Viganò](#)
 CNR - IRSA, Water Research Institute, 20047 Brugherio - Milano, ITALY
- 08-p-22 SPECTRAL CHARACTERIZATION OF FLUORESCENT EOM (EXTRACELLULAR ORGANIC MATTER) RELEASED BY THE BLUE-GREEN ALGA SYNECHOCYSTIS SP.
[M. Mingazzini and M.T. Palumbo](#)
 CNR - IRSA, Water Research Institute, 20047 Brugherio - Milano, ITALY
- 08-p-23 APPLICATION OF A TROPHIC INDEX (TRIX) FOR WATER QUALITY ASSESSMENT IN KALAMITSI COASTS (IONIAN SEA) AFTER THE OPERATION OF THE WASTEWATER TREATMENT PLANT
[G. Nikolaidis, K. Moschandreu, and D. Patoucheas](#)
 University of Thessaloniki, Institute of Botany, 54124 Thessaloniki, GREECE
- 08-p-24 EFFECTS OF BEACH ALTERATION ON NESTING ACTIVITIES OF LOGGERHEAD TURTLES (CARETTA CARETTA) AT BELEK and DENIZYAKA BEACHES IN ANTALYA, TURKEY
[M. Öz, A. Erdoğan, M. Yavuz, M. R. Tunç, A. Aslan, and H. Sert](#)
 Akdeniz University, Faculty of art and science, Dept. of Biology, 07058 Antalya, TURKEY

- 08-p-25 SOIL REMEDIATION BY USE OF INDUSTRIAL SLUDGES. TOXICOLOGICAL EVALUATION USING MICROTOX BIOASSAY
[M.J. Martínez- Sánchez](#), [C. Pérez-Sirvent](#), [M.L. García-Lorenzo](#), and [J. Marimón](#)
 University of Murcia, Department of Agricultural Chemistry, Geology and Pedology, 30100 Murcia, SPAIN
- 08-p-26 GENETIC BIOTRANSFER OF 5-FLUOROURACIL AND ITS AQUATIC TOXICITY
[M. A. Ud-Daula](#), [G. Pfister](#), and [K.-W. Schramm](#)
 GSF-National Research Center for Environment and Health, Inst. of Ecological Chemistry, 85758 Neuherberg, GERMANY
- 08-p-27 APOIDEA: THE HONEY BEES AS ENVIROMENTAL BIOINDICATORS
[J. A. Ruiz](#) and [C. Porrini](#)
 APOIDEA, 14009 Córdoba, SPAIN
- 08-p-28 EVALUATION AND MONITORING OF SPATIAL CHANGES IN SAKARYA SUBBASIN USING REMOTELY SENSED DATA
[O. Ozcan](#), [N. Musaoglu](#), and [D.Z. Seker](#)
 Istanbul Technical University, Civil Eng. Faculty, 34469 Istanbul, TURKEY
- 08-p-29 ANALYSIS OF WATER PRACTICES AND WATER SAVINGS IN ISTANBUL BY MEANS OF GIS
[N. Sivri](#), [D.Z. Seker](#), [E. Mentese](#), [E. Ozer](#), [O. Ibis](#), [S. Guney](#), [S. Kalafat](#), and [I. Kara](#)
 Istanbul Technical University, Civil Eng. Faculty, 34469 Istanbul, TURKEY
- 08-p-30 PHYTOPATHOGENIC FUNGI IN ANTALYA/TURKEY
[H. Sert](#), [H. Sümbül](#), and [M. Işıloğlu](#)
 Akdeniz University, Dept. of Biology, 07058 Antalya, TURKEY
- 08-p-31 SUSTAINABLE ENVIRONMENTAL MANAGEMENT IN COASTAL AREAS – SCIENTIFIC CONCERNS
[D. Orhon](#), [H. Gökçekuş](#), and [S.I Sözen](#)
 Istanbul Technical University, Environmental Engineering Department, 80626 Maslak, Istanbul, TURKEY
- 08-p-32 EVALUATION OF GENOTOXICITY IN POLLUTED SOIL BY BENZENE
[E. Sturchio](#), [P. Boccia](#), [B. Ficociello](#), [M. Zanellato](#), [C. Conti](#), [L. Casorri](#), [C. Beni](#), [C. Meconi](#), [M. Mascini](#), and [G. Bagni](#)
 National Authority of Health and Safety at Work, Department Industrial Installations and Interaction with the Environment, 00184 Rome, ITALY
- 08-p-33 HAZARD IDENTIFICATION OF IMIDACLOPRID TO AQUATIC ORGANISMS
[T. Tišler](#), [A. Jemec](#), and [P. Trebše](#)
 National Institute of Chemistry, Lab. for Chemistry, Biology and Technology of Water, 1000 Ljubljana, SLOVENIA
- 08-p-34 KINGFISHER SPECIES AND THEIR RECENT HABITAT LOSE IN TURKEY
[İ. Kiziroğlu](#) and [L. Turan](#)
 Hacettepe University, Environmental Education, Bird Ringing and Research Center, 06800 Ankara, TURKEY
- 08-p-35 GENOTOXICITY TESTING OF ARSENIC, LEAD AND CADMIUM IN RADISH PLANTS GROWN ON POLLUTED SOILS
[M. Villatoro-Pulido](#), [M. del Río-Celestino](#), [M.I. De Haro-Bravo](#), [R. Font](#), [A. de Haro-Bailón](#), and [A. Alonso-Moraga](#)
 IFAPA-CENTRO ALAMEDA DEL OBISPO, Mejora y Biotecnología de Cultivos, 14080 Córdoba, SPAIN
- 08-p-36 ECOTOXICOLOGICAL ASSESSMENT OF TWO MINING PONDS FROM CARTAGENA-LA UNION MINING DISTRICT (SE SPAIN) AFTER TWO YEARS REMEDIATION PROGRAMME
[A. Zanuzzi](#), [A. Eisentraeger](#), and [A. Faz](#)
 Universidad Politécnica de Cartagena, Dept. of Agrarian Science and Technology, 30203 Cartagena, SPAIN
- 08-p-37 MONITORING COMPLEX MIXTURE OF POLLUTANTS ON LIXIVIATE POOL OF A MEDITERRANEAN LANDFILL AND ITS STREAM USING WOOD MOUSE AND ARTHROPOD BIODIVERSITY
[J. de Lapuente](#), [J. González-Linares](#), [J. Serret](#), [X. Palaus](#), [E. Teixidó](#), [L. Camps](#), and [M. Borràs](#)
 Parc Científic de Barcelona, Unidad de Toxicología (UTOX), 08028 Barcelona, SPAIN
- 08-p-38 *Dicentrarchus labrax* L. MULTI-BIOMARKERS RESPONSE TO THE AVEIRO LAGOON WATER CONTAMINATION (PORTUGAL)
[V. L. Maria](#), [I. Ahmad](#), [M. Oliveira](#), [A. Serafim](#), [M. J. Bebianno](#), [M. Pacheco](#), and [M. A. Santos](#)
 University of Algarve, Faculty of Marine and Environmental Sciences, 8005-139 Faro, PORTUGAL
- 08-p-39 AVEIRO LAGOON (PORTUGAL) FIELD SURVEY - *Iiza aurata* GILL AS A TARGET ORGAN FOR CONTAMINANT INDUCED TOXICITY EVALUATION
[M. Oliveira](#), [V.L. Maria](#), [I. Ahmad](#), [A. Serafim](#), [M.J. Bebianno](#), [M. Pacheco](#), and [M.A. Santos](#)
 University of Algarve, Faculty of Marine and Environmental Sciences, 8005-139 Faro, PORTUGAL

- 08-p-40 GOLDEN GREY MULLET (*Liza aurata*) LIVER OXIDATIVE STRESS AND GENOTOXICITY RESPONSES IN THE ENVIRONMENTAL CONTAMINATION ASSESSMENT
[M. Oliveira](#), [I. Ahmad](#), [V.L. Maria](#), [A. Serafim](#), [M.J. Bebianno](#), [M. Pacheco](#), and [M.A. Santos](#)
University of Aveiro, Department of Biology, 3810-193 Aveiro, PORTUGAL
- 08-p-41 WILD GOLDEN GREY MULLET (*Liza aurata*) KIDNEY ANTIOXIDANT AND DNA DAMAGE RESPONSES TO AN AQUATIC CONTAMINATED ENVIRONMENT
[M. Oliveira](#), [V.L. Maria](#), [I. Ahmad](#), [M. Pacheco](#), and [M.A. Santos](#)
University of Aveiro, Department of Biology, 3810-193 Aveiro, PORTUGAL
- 08-p-42 SEASONAL ASSESSMENT OF A CONTAMINATED COASTAL LAGOON (RIA DE AVEIRO, PORTUGAL) USING *Dicentrarchus labrax* L. ERYTHROCYTIC NUCLEAR ABNORMALITIES
[I. Mohmood](#), [V. Maria](#), [M. Oliveira](#), [I. Ahmad](#), [M. Pacheco](#), and [M. A. Santos](#)
University of Algarve, Faculty of Marine and Environmental Sciences, 8005-139 Faro, PORTUGAL
- 08-p-43 SEA BASS (*Dicentrarchus labrax* L.) GILL ANTIOXIDANT, METALLOTHIONEIN, LPO AND GENOTOXIC RESPONSES TO THE AVEIRO LAGOON WATERBORNE CONTAMINATION (PORTUGAL)
[I. Ahmad](#), [V. Maria](#), [M. Oliveira](#), [A. Serafim](#), [M. J. Bebianno](#), [M. Pacheco](#), and [M. A. Santos](#)
University of Aveiro, Dept. of Biology, Animal Physiology/Ecotoxicology Sector, 3810 - 193 Aveiro, PORTUGAL
- 08-p-44 *Dicentrarchus labrax* L. KIDNEY OXIDATIVE STRESS AND GENOTOXIC RESPONSES TO CONTAMINATED COASTAL WATERS
[I. Ahmad](#), [V. Maria](#), [M. Oliveira](#), [M. Pacheco](#), and [M. A. Santos](#)
University of Aveiro, Dept. of Biology, Animal Physiology/Ecotoxicology Sector, 3810 - 193 Aveiro, PORTUGAL
- 08-p-45 ENVIRONMENTAL IMPACTS OF INTENSIVE MUSSEL CULTURE IN THE COASTAL WATERS OF THE GULF OF THESSALONIKI (N. GREECE)
[A. Moriki](#), [S. Galinou-Mitsoudi](#), [D. Petridis](#), [D. Kosti](#), [Y. Savvidis](#), [X. Dimitriadis](#), [C. Koutitas](#), and [L. Alvanou](#)
Alexander Technological Educational Institute of Thessaloniki, Dept. of Fisheries and Aquaculture Technology, 63 200 Nea Moudania, Chalkidiki, GREECE
- 08-p-46 SPATIAL FLUCTUATION OF THE QUALITY OF MUSSELS FROM LONGLINE CULTURES IN TERMS OF ENVIRONMENTAL, BIOLOGICAL AND CULTURISTS OPERATION PARAMETERS
[S. Galinou-Mitsoudi](#), [A. Moriki](#), [Y. Savvidis](#), [D. Petridis](#), [X. Dimitriadis](#), [Ch. Koutitas](#), and [L. Alvanou](#)
Alexander Technological Educational Institute of Thessaloniki, Dept. of Fisheries and Aquaculture Technology, 63 200 Nea Moudania, Chalkidiki, GREECE
- 08-p-47 BIOACCUMULATION AND ULTRASTRUCTURAL EFFECTS OF HEAVY METALS ON THE EPIPHYTIC MOSS *scorpiurum circinatum* (BRID.) FLEISCH. & LOESKE
[A. Basile](#), [S. Sorbo](#), [B. Conte](#), [L. Barbato](#), [P. Bassi](#), and [R. Castaldo Cobianchi](#)
University „La Sapienza“, Dept. of Plant Biology, 00185 Rome, ITALY
- 08-p-48 EFFECT OF HEAVY METALS ON PROTONEMAL DEVELOPMENT OF *funaria hygrometrica* HEDW. (MOSS, BRYOPHYTA) POPULATIONS FROM A MINE AND AN UNPOLLUTED SITE
[A. Basile](#), [S. Sorbo](#), [P. Bassi](#), [E. Napolitano](#), [A. Cogoni](#), and [R. Castaldo Cobianchi](#)
University „La Sapienza“, Dept. of Plant Biology, 00185 Rome, ITALY
- 09-p-01 ALTERNATIVE PRODUCTION WAYS TO REDUCE WASTE AND POLLUTANTS OF PROCESSES IN TURKISH SHIPYARDS
[F.T. Akanlar](#), [U.B. Celebi](#), and [N. Vardar](#)
Yildiz Technical University, Naval Architecture and Marine Engineering Dept, 34349 Istanbul, TURKEY
- 09-p-02 MODELING THE IMPACTS OF CLIMATE CHANGE ON THE WATER QUALITY OF WATERSHEDS
[S. Goncu](#) and [E. Albek](#)
Anadolu University, Faculty of Eng. and Arch., Dept. of Environmental Engineering, 26470 Eskisehir, TURKEY
- 09-p-03 THE EFFECTS OF CLIMATE CHANGE ON RIVERS IN THE MEDITERRANEAN REGION OF TURKEY
[M. Albek](#)
Anadolu University, Faculty of Eng. and Arch., Dept. of Environmental Engineering, 26470 Eskisehir, TURKEY

- 09-p-04 SURFACE WATER MONITORING OF THE FUNGICIDES TEBUCONAZOLE AND TRICICLAZOLE IN THE ALBUFERA NATURAL PARK (VALENCIA, SPAIN).
[O. Andreu-Sánchez and J.M. Carrasco-Dorrien](#)
Politechnic University of Valencia, Dept. of Biotechnology/ ETSI Agronomos, 46022 - Valencia, SPAIN
- 09-p-05 IZMIR BIRD PARADISE CHANGE DETECTION ANALYSIS: REMOTE SENSING AND GEOGRAPHIC INFORMATION SYSTEM INTEGRATION
[A. Özgür Dođru, F. Bektaş Balçık, F. Balık Şanlı, Ç. Göksel, and N. Uluğtekin](#)
Istanbul Technical University, Geodesy and Photogrammetry Department, Remote Sensing Division, 34469 Maslak, Istanbul, TURKEY
- 09-p-06 INTEGRATED COASTAL ZONE MANAGEMENT AND CAGE SITING FOR MARINE AQUACULTURE
[Ç. Cömert, Ö. Bahar and, N. Şahin](#)
Karadeniz Technical University, Geodesy and Photogrammetry Department, 61080 Trabzon, TURKEY
- 09-p-07 RODENT DENSITY AND CLIMATE IN CENTRAL ITALY: A MODELLING APPROACH
[G. Szpunar, G. Amori, A. Pasini, R. Langone, and M. Cristaldi](#)
University Di Roma „La Sapienza“, Dept. of Animal and Human Biology, 00161 Roma, ITALY
- 09-p-08 BIOMONITORING OF DOÑANA NATIONAL PARK USING THE ALGERIAN MOUSE (*mus spretus*) AS A SENTINEL SPECIES
[I. Udroui, M. Cristaldi, L.A. Ieradi, C. Tanzarella, and S. Moreno](#)
University Di Roma „La Sapienza“, Dept. of Animal and Human Biology, 00161 Roma, ITALY
- 09-p-09 PRODUCTION OF BIOMASS AND FIXING OF CO₂ FOR FORESTS IN THE REGION OF MURCIA (SPAIN)
[A.-P. Fernández-Getino, R. Ruiz-Peinado, and G. Montero](#)
INIA, Dept. de Sistemas y Recursos Forestales, 28003 Madrid, SPAIN
- 09-p-10 FIXING CO₂ BY THE FOREST OF ILLES BALEARS, IN THE MEDITERRANEAN REGION
[A.-P. Fernández-Getino, R. Ruiz-Peinado, and G. Montero](#)
INIA, Dept. de Sistemas y Recursos Forestales, 28003 Madrid, SPAIN
- 09-p-11 INFLUENCE OF CLIMATE CHANGES ON MARINE ECOSYSTEM AND FISH STOCK IN THE ADRIATIC SEA
[B. Grbec, M. Morovic, J. Dulcic, I. Marasovic, and Z. Nincevic](#)
Institute of Oceanography and Fisheries, Dept. of Physical Oceanography, 21000 Split, CROATIA

- 09-p-12 REMOVAL OF PETROLEUM AND PETROLEUM POLLUTION IN THE MARINE ENVIRONMENT
[G. Kocasoy and F. Borak](#)
Bogazici University, Inst. of Environ. Science, Istanbul, TURKEY
- 09-p-13 INFLUENCE OF CEMENT DUST EMISSION ON OLIVE TREES AROUND TARTOUS CEMENT FACTORY IN SYRIA: A CASE STUDY FOR THE EASTERN MEDITERRANEAN REGION.
[Y. Meslmani, M. Al-Aoudat, and K. Al-kharfan](#)
AECS, Environment Protection Division, Damascus, SYRIA
- 09-p-14 SEX RATIO ESTIMATIONS OF LOGGERHEAD SEA TURTLE (*caretta caretta linneaus, 1758*) HATCHLINGS BY NEST TEMPERATURES AT OLYMPOS-ÇIRALI BEACH, TURKEY
[L. Özkan Karaardıç, M. Öz, and H. Karaardıç](#)
Akdeniz University, Faculty of art and science, Dept. of Biology, 07058 Antalya, TURKEY
- 09-p-15 CHARACTERIZATION OF SUPEROXIDE DISMUTASE ISOFORMS IN TILAPIA FISH AND VARIATION INDUCED BY MICROCYSTIN-PRODUCING CYANOBACTERIA
[S. Pichardo, Y. Ouahid, A. Barón, D. Rosero, A. Jos, I. Moreno, and A. M. Cameán](#)
University of Sevilla, Dept. of Toxicology, 41012 Seville, SPAIN
- 09-p-16 STATISTICAL ANALYSIS OF SHIPPING ACCIDENTS IN TURKEY'S AEGEAN AND MEDITERRANEAN COASTAL REGION
[A. Tas and G. Bilen Alkan](#)
Kültür ve Turizm Bakanlığı, Rölöve ve Anitlar Müdürlüğü, 07050 Antalya, TURKEY

16.30 - 17.30 Session 9

Ecological Disasters – Climate Change

- 09-o-01 EFFECTS OF GLOBAL CLIMATE CHANGE ON SMALL MAMMAL COMMUNITIES IN ITALY
[G. Szpunar, G. Alois, S. Mazzotti, L. Nieder, and M. Cristaldi](#)
University Di Roma „La Sapienza“, Dept. of Animal and Human Biology, 00161 Roma, ITALY
- 09-o-02 GLOBAL WARMING: ATMOSPHERIC METHANE SOURCES AND LANDFILL METHANE OXIDATION (REVIEW)
[K. Gunes](#)
Tubitak-Marmara Research Center, Energy System & Environmental Research Institute, 41470 Gebze-Kocaeli, TURKEY

Sunday, Oct.14th, 2007

09-o-03 DYNAMIC RISK ASSESSMENT OF ECOLOGICAL DISASTERS
[D.A. Sarigiannis and A. Gotti](#)
European Commission, Joint Research Centre, 21020 Ispra (VA), ITALY

09-o-04 INTENSIVE FISH FARMING, ITS IMPACT ON THE ENVIRONMENT:
SUSTAINABLE AQUACULTURE DEVELOPMENT
[A. Yediler and M. Hong Wong](#)
GSF-National Research Center for Environment and Health, Inst. of
Ecological Chemistry, 85758 Neuherberg, GERMANY

17.30 - 18.30 Poster discussion in plenary session

Chairpersons [A. Cabrera](#), [C. Maqueda](#), and [R. Viswanathan](#)

18.30 - 19.00 Closing Ceremony

