

**5th INTERNATIONAL CONFERENCE
ENVIRONMENTAL ENGINEERING
AND MANAGEMENT**

*Sustainable production and
consumption*

CONFERENCE PROGRAM

**September 15 – 19, 2009,
Tulcea, Danube Delta, ROMANIA**



5th International Conference on Environmental Engineering
and Management, September 15 – 19 2009,
Tulcea, Danube Delta, Romania

ORGANIZERS

“GHEORGHE ASACHI” TECHNICAL UNIVERSITY OF IAȘI
FACULTY OF CHEMICAL ENGINEERING AND
ENVIRONMENTAL PROTECTION,
DEPARTMENT OF ENVIRONMENTAL ENGINEERING AND
MANAGEMENT, **ROMANIA**

PANNON UNIVERSITY OF VESZPRÉM, **HUNGARY**

With the support of:

Academy of Romanian Scientists, Romania

Danube Delta Biosphere Reservation Authority, Romania

*OAIMDD - Academic Organization for Environmental Engineering
and Sustainable Development, Iasi, Romania*

*Intermediu Department, “Gheorghe Asachi” Technical University of
Iasi, Romania*

*Event financially supported by National Authority for Scientific
Research (ANCS), Romania*



Conference Chairpersons

Prof.dr.eng. Matei Macoveanu <i>Technical University of Iasi, Romania</i>	Prof.dr.eng. Carmen Teodosiu <i>Technical University of Iasi, Romania</i>
Prof.dr.eng. Akos Rédey <i>University of Veszprém, Hungary</i>	Assoc.Prof.dr.eng. Igor Cretescu <i>Technical University of Iasi, Romania</i>

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Prof.dr.Ahmet Aktas <i>Akdeniz University, Antalya, Turcia</i>	Prof.dr.eng. Virgil Petrescu <i>Technical University of Civil Engineering of Bucharest, Romania</i>



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**Prof.dr. Maria Madalena dos Santos
Alves**

University of Minho, Portugal

Prof.dr.,dr.h.c. Anton Friedl

Vienna University of Technology, Austria

Dr.eng. Grigore Baboianu

*Danube Delta Biosphere Reserve
Authority, Romania*

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*Museum Complex of Natural Sciences,
Constanta, Romania*

Dr. eng. Simion Nicolaev

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Eng. Lucian Pavel

Eng. Roxana Apreutesei

Eng. Daniela Cailean

Eng. Daniela Arsene

Eng. Claudia Cojocariu

Dr.eng. Catalin Balan



CONFERENCE PROGRAM

Tuesday, September 15, 2009		
14 ⁰⁰ - 16 ⁰⁰	Registration	Delta Hotel, Tulcea
16 ⁰⁰ -17 ⁰⁰	Opening Ceremony	Delta Hotel, Tulcea
17 ⁰⁰ -18 ¹⁵	Keynote lectures	Delta Hotel, Tulcea
18.30	Visit to Romanian winery (optional)	Tulcea
20 ⁰⁰	Cocktail	Delta Hotel, Tulcea
Wednesday, September 16, 2009		
9 ⁰⁰ – 10 ³⁰	Plenary lectures Session 1	Conference room A , Delta Hotel, Tulcea
10 ³⁰ - 10 ⁴⁵	Coffee break	Delta Hotel, Tulcea
10 ⁴⁵ -12 ⁴⁵	Plenary lectures Session 2	Conference room A , Delta Hotel, Tulcea
13 ⁰⁰ - 14 ³⁰	Lunch	Delta Hotel, Tulcea
14 ³⁰ - 16 ⁰⁰	Work shop - Challenges for sustainability in environmental research and education	Conference room A , Delta Hotel, Tulcea
	SORT IT - Roundtable Parallel session	Conference room B , Delta Hotel Tulcea
16 ⁰⁰ -16 ²⁰	Coffee Break	Delta Hotel, Tulcea
16 ²⁰ -18 ⁰⁰	Oral communications Parallel Session 1	Conference room A , Delta Hotel, Tulcea
	Oral communications Parallel Session 2	Conference room C , Danube Delta Biosphere Reserve Authority, Tulcea
	Parallel Poster Session I	Conference room B , Delta Hotel Tulcea
19 ⁰⁰	Gala dinner	Delta Hotel, Tulcea



Thursday, September 17, 2009

10 ⁰⁰ - 12 ⁰⁰	<i>Case Study of Natural Sciences in Danube Delta</i>	Museum of Danube Delta, Tulcea
12 ³⁰	Lunch	Delta Hotel, Tulcea
13 ⁴⁵	Departure to Crisan conference location	Danube Delta Conference tour
15 ⁰⁰ -17 ⁰⁰	Poster session II	Delta 1 Ship
17 ⁰⁰ -17 ³⁰	Coffee Break	Delta 1 Ship
20 ⁰⁰	Arrival in Crisan conference location	Sunrise Hotel, Crisan
21 ⁰⁰	Dinner	Sunrise Hotel, Crisan

Friday, September 18, 2009

10 ³⁰	Departure to Sulina conference location	Danube Delta Conference tour
11 ⁰⁰ -13 ⁰⁰	Poster Session III	Delta 1 Ship
13 ⁰⁰ -14 ³⁰	Lunch	Delta 1 Ship
15 ⁰⁰ -17 ⁰⁰	Poster session IV	Delta 1 Ship
17 ⁰⁰ -17 ³⁰	Coffee Break	Delta 1 Ship
18 ³⁰	Arrival to Sulina conference location	Hostels Accommodation
19 ³⁰ -20 ³⁰	<i>Welcome from the Mayor of Sulina city</i>	"Marea Neagra" conference location
	<i>Historical presentation of Sulina's evolution</i>	Friends of Danube Delta - NGO
20 ³⁰	Dinner	Marea Neagra Restaurant

Saturday, September 19, 2009

10 ⁰⁰ -11 ⁰⁰	Closing ceremony	"Marea Neagra" conference location
11 ⁰⁰	Excursion to confluence of Danube River with Black Sea	
13 ⁰⁰ -14 ⁰⁰	Lunch	
14 ⁰⁰	Departure to Tulcea	Delta 1 Ship
18 ⁰⁰	Arrival to Tulcea	Delta Hotel



DETAILED CONFERENCE PROGRAM

Tuesday, September 15, 2009

14⁰⁰ - 16⁰⁰	Registration	Delta Hotel, Tulcea
16⁰⁰ - 17⁰⁰	Opening Ceremony	Conference Room A
	Prof. dr. eng. Matei Macoveanu	Head of the Department of Environmental Engineering and Management, Iasi Romania
	Prof.dr. Akos Rédey	Rector of the Pannon University of Veszprem, Hungary
	Prof. dr. eng. Carmen Teodosiu	Vice-Rector of the "Gheorghe Asachi" Technical University, Iasi, Romania
	Prof. dr. eng. Maria Gavrilescu	Managing Editor of Environmental Engineering and Management Journal, "Gheorghe Asachi" Technical University, Iasi, Romania
	Dr. eng. Grigore Baboianu	Governor of Danube Delta Biosphere Reserve Authority, Romania
17⁰⁰ – 17²⁰	<i>Integrated Approach for Environmental Education and Research Development at the "Gheorghe Asachi" Technical University of Iasi, Romania</i>	Carmen Teodosiu, Matei Macoveanu, Ion Giurma <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i>
17²⁵ – 17⁵⁰	<i>Green technologies and sustainable development</i>	Akos Rédey <i>Pannon University of Veszprem, Hungary</i>
17⁵⁵ - 18¹⁵	<i>Integrated costal zone management</i>	Dr. eng. Simion Nicolae <i>National Institute for Marine Research and Development, Romania</i>
18.30	Visit to Romanian winery (optional)	Tulcea, Romania
20⁰⁰	Cocktail	Delta Hotel, Tulcea



Wednesday, September 16, 2009

Plenary lectures: Session I

Conference Room A,
Delta Hotel

Chairpersons:

Prof. dr. Carmen Teodosiu

Prof. dr. Akos Rédey

9 ⁰⁰ – 9 ³⁰	<i>Biomass for Renewable Energy, Fuels and Chemicals</i>	Anton Friedl Vienna University of Technology, Austria
9 ³⁰ - 10 ⁰⁰	<i>Biotechnology in Water and Energy Saving Processes</i>	Madalena Alves University of Minho, Portugal
10 ⁰⁰ -10 ³⁰	<i>Biodiesel from Microalgae</i>	Yusuf Chisti Massey University, New Zealand
10 ³⁰ - 10 ⁴⁵	Coffee break	Delta Hotel, Tulcea

Plenary lectures: Session II

Conference Room A,
Delta Hotel

Chairpersons:

Prof. dr. Maria Gavrilescu

Prof. dr. Thomas Lindhqvist

10 ⁴⁵ -11 ¹⁵	<i>Alternatives to Diffuse Pollution Control at Landscape Scale</i>	Angheluta Vadineanu, Carmen Postolache Polytechnic University of Bucharest, Romania
11 ¹⁵ -11 ⁴⁵	<i>Fly Ash- Based Substrates for Advanced Wastewater Treatment</i>	Anca Duta Transilvania University of Brasov, Romania
11 ⁴⁵ -12 ¹⁵	<i>The Economic Recession – Opportunity for Metissage Based Sustainable Innovation</i>	Johannes C. Brezet Delft University of Technology, The Netherlands
12 ¹⁵ -12 ⁴⁵	<i>Laser Mass Spectrometry Analysis of Soot Particles Adsorbed Phase: From Laboratory Experiments to Field Campaigns</i>	Focsa Cristian, University of Lille, France
13 ⁰⁰ -14 ³⁰	Lunch	Delta Hotel, Tulcea



14 ³⁰ - 16 ⁰⁰	Workshop - <i>Challenges for sustainability in environmental research and education</i>	Conference Room A, Delta Hotel
	Chairpersons: Prof. dr. Carmen Teodosiu Prof. dr. Matei Macoveanu	
14 ⁰⁰ - 16 ⁰⁰	Roundtable – SORT IT	Conference Room B, Delta Hotel
	Chairpersons: Prof. dr. Elena Bobu Dr. Jean Yves Escabasse	
14 ⁰⁰ -14 ¹⁵	<i>Recovered Paper Sorting with Innovative Technologies – SORT IT</i>	Jean-Yves Escabasse
14 ¹⁵ -14 ³⁰	<i>EU Legislation Impacting Paper Recycling</i>	Jori Ringman
14 ³⁰ -14 ⁴⁵	<i>Overview on Paper and Board Recycling in Europe</i>	Elena Bobu, Dan Gavrilesu
14 ⁴⁵ -15 ⁰⁰	<i>Assesing Sustainabiity of Recovered Paper Sorting: Goal Definition and Scoping</i>	Elena Bobu, Florin Ciolacu, Alina Iosip
15 ⁰⁰ -15 ¹⁵	<i>Assessing Environmental Impact Of Paper Recycling</i>	Tatjana Karpenja, Cathrine Löfgren
15 ¹⁵ -15 ³⁰	<i>Assessing Economical and Social Impact of Paper Recycling</i>	B. Ferreira Pozo, A. Dobón López, C. López López, Antonio Dobón
15 ³⁰ -16 ⁰⁰	<i>Discussions</i>	
16 ⁰⁰ -16 ²⁰	Coffee Break	Delta Hotel, Tulcea



16²⁰ – 18⁰⁰

ORAL COMMUNICATIONS

Parallel Session 1

**Conference Room A,
Delta Hotel**

Chairpersons:

Prof. dr. Anton Friedl

Prof. dr. Ilie Siminiceanu

Section: Environmental Friendly Materials

16²⁰ – 16³⁰

*Synthesis and Characterization of
Self-Bonded ETS-10 Pellets
Containing Iron*

Pierantonio De Luca,
Monica Filice

16³⁰ – 16⁴⁰

*Hungarian Practice of Biomass
Utilization*

Á. Rédey, T. Yuzhakova, J.
Lakó, J. Hancsók, Gy.
Marton, A. Utasi

Section: Modeling, Simulation and Optimization

16⁴⁰ – 16⁵⁰

*Evaluation of Ecological and
Economical Bio-Ethanol Production*

Anton **Friedl**

16⁵⁰ – 17⁰⁰

*The Advertising Efficiency Ratio: A
Marketing Aggregate Indicator
Modeling for a Noisy and Turbulent
Market*

Gabriel-Petru **Luca,** Ion
Verzea

17⁰⁰ – 17¹⁰

*The Product's Anticipated Success
Ratio on the Turbulent Markets: A
Genuine Tool for the Agile
Enterprises*

Ion Verzea, Gabriel-Petru
Luca, Irina Cozminca

Section: Environmental integrated management and policy making

17¹⁰ – 17²⁰

*Time for Environmentalists to Think
about Distributed Economies*

Thomas **Lindhqvist**

17²⁰ – 17³⁰

*The Management of the "Bridge
Zone" in Correlation with Specific
Natural and Artificial Phenomena*

Constantin **Ionescu,** Rodian
Scînteie

17³⁰-17⁴⁰

*Towards a Sustainable and
Climate Proof Delta of the South
West Netherlands*

Tjeerd S. **Blauw,** Leo A.
Adriaanse

Section: Impact, Risk and Life Cycle Assessment

17⁴⁰-17⁵⁰

*Methods for Evaluating Packaging
Sustainability*

M. Hortal **Ramos,** J.L.
Vivancos Bono, S. Aucejo
Romero



Section: Sustainable Tourism

17 ⁵⁰ -18 ⁰⁰	<i>Private and Social Values of the Lower Danube Wetlands</i>	Lars Hansson
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Parallel Session 2

Conference Room C,
Danube Delta Biosphere Reserve Authority, Tulcea

Chairpersons:

Prof. dr. Yusuf Chisti
Assoc. Prof. dr. Igor Cretescu

Section: Water Supply and Wastewater Treatment

16 ²⁰ – 16 ³⁰	<i>Restructuring of Water and Wastewater Management in Romania: From Local to Regional Water Governance</i>	Joanne Vinke-de Kruijf , Valentina Dinica
16 ³⁰ – 16 ⁴⁰	<i>Studies Regarding Advanced Processes Used for Reactive Dyes Removal from Textile Effluents</i>	Daniela Cailean , Carmen Teodosiu, Nicolae Sulitanu
16 ⁴⁰ – 16 ⁵⁰	<i>Removal of Phosphate from Water by Natural and Modified Kaolinite</i>	Susmita Sen Gupta , Krishna G Bhattacharyya
16 ⁵⁰ – 17 ⁰⁰	<i>Application of Several Aluminium Prehydrolysed Coagulants to a Surface Water Treatment for Potable Use</i>	A. Păcală , I. Vlaicu, C. Radovan
17 ⁰⁰ – 17 ¹⁰	<i>The Purification of Residual Waters Using Natural Ion Exchangers</i>	Tiberiu Rusu , Radu Munteanu, Andrei Rusu
Section: Air Pollution		
17 ¹⁰ – 17 ²⁰	<i>SnO₂-CeO₂ Oxidation Catalysts</i>	T. Yuzhakova , A. Rédey, M. Calderaru, J. Kovács, G. Postole, C. Hornoiu, A.Vasile, E. Domokos
17 ²⁰ – 17 ³⁰	<i>Air Pollution Reduction by Using of Low NOx Burners for Furnaces and Boilers</i>	Aurel Gaba
17 ³⁰ -17 ⁴⁰	<i>New Cu-Based Mixed Oxides Obtained from LDH Precursors, Catalysts for Methane Total Oxidation</i>	Serghei Tănăsoi , Nathalie Tanchoux, Adriana Urdă, Ákos Rédey, Ioan Săndulescu , François Fajula, Ioan-Cezar Marcu



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Section: Pollution and Monitoring

17 ⁴⁰ -17 ⁵⁰	<i>Trace Element Accumulation in Water, Plant and Fish of an Urban Wetland</i>	Nibedita Kapil, Krishna G Bhattacharyya
17 ⁵⁰ -18 ⁰⁰	<i>Fluorescence Assesment of the Anthropogenic Impact on Water Systems</i>	E.M. Carstea , L. Cristescu , D. Savastru, G. Pavelescu

16 ²⁰ – 18 ⁰⁰	PARALLEL POSTER SESSION I	Conference Room B Delta Hotel, Tulcea
19 ⁰⁰	Gala dinner	Delta Hotel, Tulcea



List of posters

16 ²⁰ -18 ⁰⁰	Parallel Poster Session I	Conference Room B Delta Hotel, Tulcea
Section: Pollution and Monitoring		
	<i>Comparative Study of Some Heavy Metals Dynamics (Pb, Cd) into Soil Planted with Vegetables</i>	V. Stoleru, N. Munteanu, D. Bulgariu
	<i>Emerging Processes for Soil and Groundwater Cleanup - Potential Benefits and Risks</i>	M. Gavrilescu
	<i>Remanent Effects of Polymeric Materials Used to Soils Conditioning from Glass Houses</i>	D. Bulgariu, L. Bulgariu, C. Rusu, F. Filipov
	<i>Agricultural Soil Mapping</i>	V. M. Muraru, C. Muraru-Ionel, I. Pirnă, I. Tenu
	<i>The Carbohydrates Synthesis in Calendula Officinalis L. Leaves Influenced by Some Mutagene Substances</i>	C. Leonte, R. Vataavu, T. Robu, I. Volf
	<i>Speciation and Distribution of Microelements (Zn, Cu, Co, Cr, Mn) in Soil from Glass Houses</i>	D. Bulgariu, L. Bulgariu, N. Buzgar
	<i>Impact Reduction of Mechanization Technologies on Soil Structure</i>	I. Țenu, G. Jițăreanu, C. Muraru-Ionel, P. Cojocariu
	<i>Anthropogenic Influences on Some Components of the Environment in Bicz - Hășmaș National Park, Eastern Carpathians – Romania</i>	M. Brânzilă, C. Rusu, D. Bulgariu, S. Baci, C. Miclăuș
	<i>Physiological Changes in Seedling Germination and Growth Plant under Chemical Stress Conditions</i>	A. Stingu, I. Volf, V.I. Popa
	<i>Researches on the Improvement of the Fertilizations with Nitrogen and Phosphorous Related to Soil Protection and Their Influence on Quality Proprieties at the Winter Wheat</i>	M. Axinte, C. Moglan, T. Robu, M. Zaharia
	<i>Evaluation of Petroleum Contaminants in Soil by Fluorescence Spectroscopy</i>	L. Cristescu, G. Pavelescu, E.M. Carstea, D. Savastru
	<i>Effects Remanant of Cultivation Technology of the Vine on Terrace Soil - Case Study: Vine Terraces Roșcani Iași, Romania</i>	F. Filipov, D. Bulgariu, A. Asănică
	<i>Study of Copper and Cadmium Accumulation by Bean for Phytoremediation Applications</i>	Al. Stingu, I. Volf, V.I. Popa
	<i>A New Real-Time Monitoring Technique of the Biochemical Constituents of the Environment</i>	P. Zamora Iordache, N. Petrea, V. Somoghi, I. Savu, M. Muresan, R. Petre, L. Rece, R. Lungu, A. Pretorian, G. Mitru, B. Dionezie, L. Mutihac



<i>Device for Rapid Preparation of Samples in Order to Identify the Toxic Compounds</i>	N. Petrea, P. Zamora Iordache, V. Șomoghi, G. Epure
<i>Mobile (and /or) Portable Laboratory Used to Determine and Survey the Electromagnetic Pollution of the Environment</i>	L.Coșereanu, N.Năcioiu, P.Voicu
<i>Monitoring of Environmental Low Frequency Magnetic Fields</i>	V.David, I.Nica, L.Breniuc
<i>Complex System for Climatic Changes Surveillance Based on the Thermo-Graphic Methods of a Certain Area (Modernized Terargus)</i>	L.Coșereanu, N.Năcioiu, P.Voicu
<i>Traffic- Related Air Pollution in the Municipality of Craiova, Dolj County</i>	D.Petrișor, L.Radu, C.A.Petrișor
<i>Contribution to the Study of the Environmental Heritage of a Former Chemical Plant</i>	F.Dumescu, L.Klein, A.Grec
<i>The Oil Composition of the Seeds of Certain Cucurbitaceae for Sustainable use of Their Natural Properties for Industry</i>	N.Bordei, A.Cozea, L.Cruceanu, G.Ivopol
<i>Halotherapy: From Ethnoscience to Modern Science</i>	I.Sandu, M. Alexianu, R.G. Curcă, O. Weller, C.Pascu
Section: Modeling, Simulation and Optimization	
<i>Modeling and Simulation of an Ultrafiltration Process for the Removal of Suspended Solids and Colloids from Synthetic Wastewaters</i>	G.Barjoveanu, C.Teodosiu
<i>Ethanol from Lignocellulosic Biomass – Optimization by Process Simulation</i>	P.Kravanja, P. Bösch, A.Friedl
<i>The Investments Alternatives Analysis for Sustainable Agriculture</i>	C. Burja
<i>Clean Energy from Waste Incineration in Dolj County</i>	M. Brojboiu, S.M. Digă, Ivanov V, R.Ghinea, A.Chirea
<i>Numeric Simulation of Air Pollution Due to Naval Engines</i>	N.Buzbuchi, L.C.Stan
<i>Effects of Electromagnetic Environment on Human Beings – Modelling and Simulation</i>	V.David, I.Nica, Al.Salceanu
<i>Considerations on the Secondary Processes for Desulphurization of the Combustion Gases Derived from Energetic Boilers</i>	M.Brojboiu, S.M.Digă, V.Ivanov
<i>Modeling and Simulation of Quality Characteristics of Surface Waters</i>	V. Antohe, C. Stanciu
<i>Transfer Inter-Cities of a Transportation Project Based on Environmental Efficiency</i>	C.Popescu, T.Cucu, L.Ion, A.Mitu, D.Uță



<i>Optimization and Statistical Modeling of Environmentally Friendly Electroplating of Nickel</i>	M.Poroch-Serițan, S.Gutt, G. Gutt, I. Crețescu, C. Cojocaru, T. Severin
Section: Water Supply and Wastewater Treatment	
<i>The Oxidative Degradation of Some Antibiotics in Aqueous Solutions Through Photo-Fenton Procedure</i>	C.Orbeci, I.Untea, M.Dancila, D.S.Stefan
<i>Hydroxyapatite/Polyurethane Composite Membranes for Lead Ions Removal</i>	G.Ciobanu, D.Ignat, G.Carja, G.Lehutu, C.Luca
<i>Catalytic Wet Hydrogen Peroxide Oxidation of 4-Chlorophenol over Iron-Exchanged Clays</i>	D.Arsene, C.Catrinescu, A.Ungureanu, C.Teodosiu
<i>Porous Matrices of Anionic Clays for the Efficient Removal of Heavy Metals from Water</i>	G.Carja, S.Dranca, G.Ciobanu, M.Onyango, S.Nichitus, I.Balasanian
<i>Removal of 4-Chlorophenol by Surfactant Modified Zeolites and Surfactant Modified Alkali-Treated Natural Zeolites</i>	R.E.Apreutesei, C.Catrinescu, A.Ungureanu, C.Teodosiu
<i>Autocatalytic Reduction of Cr(VI) on Platinum Electrode in Acid Solution</i>	G.Badea
<i>Nitrogen Adsorption of Shale for Use as Media in Constructed Wetland</i>	A.Daothaisong, J.Yimrattanabovorn
<i>Using of Homogenous Oxidation with Hydrogene Peroxide for Textile Wastewater Treatment</i>	C.Zaharia, D.Suteu, A.Muresan, R.Muresan, A.Popescu
<i>Arsenate Removal by Micro-Particles of Dried Plant in Batch Reactor</i>	M. Chiban, G. Lehutu, F. Sinan, G. Carja
<i>Using of Industrial Waste Materials for Textile Wastewater Treatment</i>	D.Suteu, C.Zaharia, A.Muresan, R.Muresan, A.Popescu
<i>Fuel Oxygenates in Drinking Water Sources: Analysis, Occurrence and Treatment</i>	I.Siminiceanu, C.Burciu, M.Bobu
<i>Adsorption of Humic Acids and of Some Metal Ions from Aqueous Solutions on Activated Carbons</i>	T. Lupascu, M. Ciobanu
<i>Ballast Water Treating by Advanced Oxidation Technology</i>	N.Buzbuchi, L.C.Stan, F.Memet
<i>New Complexes Used to Increase the Dying Process Efficiency of the Textile Materials in the Context of Sustainable Development and Their Importance as Nanocomposites Used in Electronics</i>	D.Sibiescu, L.Chirila, I.Rosca, R.Butnaru, M.Vizitiu, G.Carja



Section: Air Pollution

<i>Particulate Matter Emission in a University Area</i>	M. Filice, P. De Luca, G. P. Guido
<i>Kinetics Modelling of the Oxidation of Aromatic VOCs on V₂O₅-WO₃/TiO₂ Commercial Catalyst</i>	L. Lazăr, H. Köser, I. Balasanian
<i>Diesel Particulate Matter: The Role of Fuel</i>	M. Filice, P. De Luca
<i>Carbon Dioxide Capture by Absorption into New Solvents</i>	I. Siminicéanu, O. Irimia, R. Tataru- Farmus
<i>Distribution of Formaldehyde Emission in Particle Boards</i>	V. Petrovici
<i>Reducing of Pollutants Emissions and Heavy Liquid Fuels Consumption in Boilers by Using of Additives</i>	A. Gaba, S. Iordache, M. Vladescu, D. Ungureanu, P. Vizureanu
<i>Heterogeneous Reactions of Chlorine Reactive Species with Model Aerosol Particles in the Marine Boundary Layer</i>	R. Ciuraru, S. Gosselin, N. Visez, D. Petitprez
<i>Abiotic and Biotic Mitigation of Volatile Methyl Siloxanes in Anaerobic Gas-Phase Biomatrices</i>	G. Soreanu, P. Falletta, M. Béland, K. Edmonson, P. Seto
<i>PM10 Trend Near a Cement Plant: Comparison Between Gaussian Model and Experimental Data</i>	M. Filice, P. De Luca
Section: Solid Waste Management	
<i>Driving Forces and Barriers for Sustainable Use of Recovered Paper in Papermaking</i>	D. Gavrilésescu, E. Bobu
<i>Wastes Used in Obtaining Polymer Composite</i>	M. Bărbuță, N. Taranu, M. Harja
<i>Valorization of the Forms of Fine Ceramic Molding by Plaster Production</i>	L. Lazar, I. Balasanian
<i>Research Regarding the Development of a New Technology to Obtain Ecological Steels</i>	O. Ghermec, C. Ghermec, T. Popescu
<i>Regarding The Recycling of the Auto-Vehicles Products</i>	P. Corabieru, Ș. Velicu, D. Zait, A. Corabieru, D.D. Vasilescu
<i>Leaching of Copper from Cement-Based Waste Materials</i>	C. Bobirică, L. Bobirică, R. Stănescu
<i>The Treatment and Minimization of Metallurgical Slag as Waste</i>	M. Cioroi, L. Nistor Cristea, I. Cretescu
Section: Impact, Risk and Life Cycle Assessment	
<i>Behaviour of Persistent Pollutants and Risks Associated with their Presence in the Environment</i>	M. Gavrilésescu
<i>The Life and Working Conditions on the Marine Oil Platforms</i>	H. Herman, G. Nita, N. Deliu, R. Calot



<i>The Submarine Environment and the Human Organism in Simulated Diving and Real Diving into the Sea</i>	H. Herman, C. O. Pastuch
<i>Environmental Impacts Generated from Rubber Processing Activity</i>	A. Grec, F. Dumescu, C. Maior
<i>Interactions within the High Complexity System "Bridge-Obstacle-Road" with References to the Traversed Obstacle</i>	C. Ionescu, R. Scînteie
<i>The Impact of Some Chemicals on the Derivatives with Important Therapeutic Activity in the Calendula Officinalis L. Flores</i>	T. Robu, R. Vatavu, C. Leonte, B. Robu
<i>Developing Impact of Iași City on the Slope Stability – Landslides from Iași City, Romania</i>	C. Horaicu, O. N. Moh'd Kamel, C. C. Calu
Section: Environmental integrated management and policy making	
<i>Risk Assessment as Part of Health and Safety Management at Enterprises</i>	M. Järvis, P. Tint
<i>Assessment of Water Quality in the Prut River Basin, Romania</i>	C. Teodosiu, C. Cojocariu, C. P. Musteret, I. G. Dascalascu, I. Caraene
<i>Economic and Environmental Sustainability of Project Effects</i>	L. Horhotă
<i>Institutional Capacities Assessement for Cooperation on the Prut River Basin Management, Romania</i>	C. Cojocariu, L. Lupu, C. Teodosiu, S. A. Ene, C. P. Musteret
<i>Water Footprint and Its Application to Integrated Water Resources Management</i>	S. A. Ene, C. Teodosiu
<i>Alignment of the Manufacture Technologies of Metallic Component Parts for Auto-Vehicles to the Environment European Directives</i>	Ș. Velicu, P. Corabieru, D. Zait, A. Corabieru, D. D. Vasilescu
<i>Social Enquiry Assessment of Innovative Equipment for Water Desinfection</i>	D. Suteu, I. Volf, C. C. Ioan, C. Teodosiu
<i>The Innovative Solutions Creates Environmental Advantages</i>	F. Negoescu, E. Axinte, G. Nagit, A. Iosub
<i>Public Management and Local Policy Regarding City Environment</i>	Augustin Mitu, Cătălin Popescu, Daniela Uță
<i>Assessment of Water Supply and Wastewater Infrastructure in the North - East Region of Romania</i>	C. Ardeleanu, I. Caraene, C. Teodosiu
<i>Link Between Environmental and Economic Efficiency</i>	L. Horhotă



Section: Environmental Friendly Materials

<i>Utilization of Coal Fly Ash From Power Plants III. Geopolymer Characterization</i>	M. Harja, L. Rusu, M. Bărbuță, M. Gavrilescu
<i>Research Regarding the Possibility to Recycle Waste of Alloyed Steel Resulted from the Finishing Operations of Automobile Compounds</i>	O. Ghermec, C. Ghermec, M. Didu
<i>Contributions to the Improvement of Ambient Comfort in Residential Buildings</i>	V. Corobceanu, R. Giușcă, R. Giușcă
<i>Studies Regarding the Potential of Biodiesel Production in the North-East Development Region of Romania</i>	T. Robu, A. D. Robu, A. Chiran, E. Gindu
<i>Plasma Chemistry and the Environment</i>	M. I. Totolin, G. E. Ioanid, I. Neamtu
<i>Researches on the Negative Effects Assessment (Slugging, Clogging, Ash Deposits) Developed at the Biomass-Coal Co-Firing</i>	C. Rădulescu, T. Prisecaru, L. Mihăescu, I. Pișă, G. Lăzăroi, S. Zamfir, D. Văirenu, E. Popa
<i>The Evaluation of Corrosive Effects in Co-Firing Process of Biomass and Coal</i>	Ionel Pișă, Corina Rădulescu, Lucian Mihăescu, Gheorghe Lăzăroi, Gabriel Negreanu, Simona Zamfir, Dănuț Văirenu
<i>The Buildings' Ambient Comfort Improvement by Using Environmental Friendly Materials and Method</i>	R. Giușcă, V. Corobceanu, R. Giușcă
<i>Optical Properties of CeO₂ Nanoparticles Obtained by Green Synthesis Route</i>	G. Apostolescu, G. Carja, N. Apostolescu, E. Husanu
<i>New Carbonic Adsorbents for Industrial Sorting Purification in Vodka Production</i>	V.M. Mukhin, N.M. Shubina, I.M. Abramova, I.D. Zubova, T.G. Lupascu

Section: Sustainable Tourism

<i>Governing Sustainable Tourism: The Relevance of Boundary Judgments</i>	H. Bressers, V. Dinica
<i>Suceava County - A Representative Geological Heritage for Romania</i>	C. Horaicu A. Horaicu
<i>Alternatives of Organization and Promotion of the Sustainable Agro-Tourism in the Area: Oltenia at the Bottom of the Mountain</i>	M. E. Mazilu, F.A. Stancioiu
<i>Challenging the Assumptions Behind the Sustainable Behaviour of Tourists</i>	A. Budeanu
<i>Tourism Innovation and Sustainable Development</i>	A. Budeanu



Thursday, September 17, 2009

10⁰⁰-12⁰⁰	Case Study of Natural Sciences in Danube Delta	Museum of Danube Delta, Tulcea
12³⁰	Lunch	Delta Hotel, Tulcea
13⁴⁵	Departure to Crisan Conference location	Danube Delta Conference Tour
15⁰⁰-17⁰⁰	Poster session II	Delta 1 Ship
	<i>Passive Biomonitoring of Atmospheric Pollution with Heavy Metals Using Native Epigeic Moss</i>	I. Pata, C. Balan, S.M. Pata, M. Macoveanu
	<i>Studies on Sorption and Transport Processes of Cadmium in Soils</i>	V. L. Pavel, D. Bulgariu, L. Bulgariu, R. M. Hlihor, M. Gavrilescu
	<i>Analysis of Factors Determining the Behaviour of Chromium in Some Romanian Soils</i>	V. L. Pavel, D. Bulgariu, L. Bulgariu, R. M. Hlihor, M. Gavrilescu
	<i>Case Study of Industrial Water Polluted with Chromium (VI) and its Impact to River Recipient in Western Serbia</i>	M. Cvijovic, P. Djurdjevic, S. Cvetkovic, I. Cretescu
	<i>Kinetic Study of Cobalt (II) Adsorption on Peat Activated by Simple Chemical Treatments</i>	C. Caramalău, L. Bulgariu, M. Macoveanu
	<i>Sphagnum Moss Peat: A Green and Economical Sorbent for Removal of Heavy Metals (Cd and Cr) from Wastewaters</i>	C. Balan, P. Bulai, D. Bilba, M. Macoveanu
	<i>Studies on the Biosorption of Terasil Dye by Aspergillus Niger Dead Biomass</i>	I. Cretescu, M. Diaconu, A. Dughila, A. Stefanache, C. Pohontu
	<i>Adsorption Characteristics of Co (II) Ions from Aqueous Solutions on Romanian Peat Moss</i>	C. Caramalău, L. Bulgariu, M. Macoveanu
	<i>Sorption Behaviour of Acid Orange 7 from Aqueous Solution on Surface Soil</i>	C. Smaranda, M. Gavrilescu
	<i>Equilibrium and Kinetic Studies of Copper (II) Removal on Purolite S930 Resin</i>	P. Bulai, C. Balan, C. Scripcariu, M. Macoveanu
	<i>Influence of Soil Particle Size onto Sorption of Tartrazine from Aqueous Solutions</i>	A. F. Caliman, L. C. Apostol, M. Gavrilescu
17⁰⁰-17³⁰	Coffee Break	Delta 1 Ship
20⁰⁰	Arrival in Crisan Conference location	Sunrise Hotel
21⁰⁰	Dinner	Sunrise Hotel



Friday, September 18, 2009

10³⁰	Departure to Sulina Conference location	Danube Delta Conference tour
11⁰⁰-13⁰⁰	Poster Session III	Delta 1 Ship
	<i>Chelating Sorbent Containing Two Types of Functional Groups – Hydroxamic Acid and Amidoxime for Lead (II) Ions Effluent Management</i>	L. Tofan, C. Paduraru, I. Cretescu, A. Ceica, V. Neagu
	<i>Study Regarding the Sorption of Erythrosin from Aqueous Solution onto Soil</i>	A. F. Caliman, L. C. Apostol, M. Gavrilesco
	<i>Equilibrium and Kinetic Studies on Acid Dye Adsorption on Six Different Soils from Iasi Area</i>	C. Smaranda, D. Bulgariu, M. Gavrilesco
	<i>Enhancement of Separation Performances of a New Azoic Derivative from Industrial Water and the Possibility to Recover Its Complex as Nanomaterial</i>	D. Sibiescu, M. Tutulea, I. Cretescu, M. Vizitiu, D. Zavastin, I. Rosca
	<i>Sorption of Malachite Green Dye on a Romanian Natural Zeolitic Volcanic Tuff</i>	D. Furcoi, M. S. Secula, P. Onu, I. Cretescu, M. Cioroi
	<i>Removal of Dunkel Blau Dye from Aqueous Solutions by Fungal and Peat Biomass in Batch Mode</i>	I. Cretescu, M. Diaconu, C. Cojocaru, R. Benchea, C. Pohontu
	<i>Biosorption of Malachite Green from Aqueous Solutions onto Biomaterials</i>	M. Diaconu, I. Cretescu, F. A. Luca, L. R. Manea, C. Pohontu
	<i>Photocatalytic Decolorization of Malachite Green Dye in TiO₂ Aqueous Suspensions</i>	M. Mitrofan, M. S. Secula, C. Luca, I. Cretescu, M. Dragan
	<i>Integrated Treatment of Leachat from Municipal Landfill</i>	C. Pohontu, I. Cretescu, M. S. Secula, C. Paduraru, L. Tofan, M. Macoveanu
	<i>Comparative Study of the Adsorption-Desorption Cycles of Hexane over Hypercrosslinked Polymeric Adsorbents and Activated Carbon</i>	A. M. Biburuzan, C. Catrinescu, M. Macoveanu
	<i>Influence of the Temperature on the Hexane Vapors Adsorption onto MN 202 and MN 250 Polymeric Adsorbents and Granular Activated Carbon</i>	A. M. Biburuzan, C. Catrinescu, M. Macoveanu
13⁰⁰-14³⁰	Lunch	Delta 1 Ship
15⁰⁰-17⁰⁰	Poster session IV	Delta 1 Ship
	<i>Optimization of Process Variables to Maximize the Copper Loading Capacity of Purolite S930 Resin</i>	P. Bulai, C. Balan, C. Cojocaru, M. Macoveanu
	<i>Modeling of Oils Extraction From White Mustard Seeds (Sinapis Alba)</i>	C. Ciubota-Rosie, T.M.Sturza, M. Macoveanu



<i>Optimizing of Technological Process of Oil Extraction from White Seeds Mustard (Sinapis Alba) Using Dynamic Programming</i>	C. Ciubota-Rosie, T.M.Sturza, M. Macoveanu	
<i>Impact of Landfill Leachate on Soil Quality in Iasi City</i>	A. M. Schiopu, B. M. Robu, I. Apostol, M. Gavrilesco	
<i>Environmental Impact and Risk Considerations for Sustainable Winemaking Industry</i>	B. Robu, I. Volf	
<i>Bioavailability Processes for Contaminants in Soils and their Use in Risk Assessment</i>	R. Hlihor, L. Apostol, C. Smaranda, Pavel L., A. Căliman, B. Robu, M. Gavrilesco	
<i>European Frame for Sustainable Agriculture in Romania: Policies and Strategies</i>	B. Robu, C. C. Ioan, E. Robu, M. Macoveanu	
<i>Strategic Environmental Assessment for Plans, Programs, Policies in Romania: Multi-Criterial Method</i>	B. Robu, M. Macoveanu	
<i>In Vitro Corrosion Study by Electrochemical and Surface Analysis Techniques of a Ti50Ta Alloy For Dental Applications</i>	D. Mareci, G. Ciurescu, R. Chelariu, I.Cretescu, D.Sutiman	
<i>Management of the Northern-Eastern Region of Romania Viewed from the Perspective of Ecotourism Development</i>	F. A. Luca, I. Crețescu	
<i>Psychological Considerations Regarding Sustainable Tourism</i>	C. C. Ioan	
<i>Ecological Education for Sustainable Tourism in Romania's North-East Region</i>	C. C. Ioan, B. Robu, M. Macoveanu	
18³⁰	Arrival to Sulina Conference location	Hostels
19³⁰-20³⁰	Welcome from the Mayor of Sulina city	Marea Neagra conference location
	Historical presentation of Sulina's evolution – NGO – Friends of Danube Delta	
20³⁰	Dinner	„Marea Neagra” Restaurant



5th International Conference on Environmental Engineering
and Management, September 15 – 19 2009,
Tulcea, Danube Delta, Romania

Saturday, September 19, 2009

10⁰⁰-11⁰⁰	Closing ceremony	"Marea Neagra" conference location
11⁰⁰	Excursion to confluence of Danube River with Black Sea	
13⁰⁰-14⁰⁰	Lunch	
14⁰⁰	Departure to Tulcea	Delta 1 Ship
18⁰⁰	Arrival to Tulcea	Delta Hotel, Tulcea



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