



“GH. ASACHI” TECHNICAL UNIVERSITY OF IAȘI
FACULTY OF INDUSTRIAL CHEMISTRY

**DEPARTMENT OF ENVIRONMENTAL ENGINEERING AND
MANAGEMENT**

in co-operation with:

InterMEDIU Information, Consultancy and ODL Department
**Academic Organisation for Environmental Engineering and Sustainable
Development**

2nd INTERNATIONAL CONFERENCE

**ENVIRONMENTAL ENGINEERING
AND MANAGEMENT**

ICEEM / 02

CONFERENCE PROGRAM

23 - 26 September 2004, Iasi, ROMANIA



CONFERENCE CHAIRPERSON:

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Technical University, Iasi, Romania

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CONFERENCE SECRETARIAT

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Drd. eng. Brindusa Robu
Drd. eng. Oana Penciu
Drd. eng. Daniela Teleman
Drd. ecol. Camelia Betianu
Drd. eng. Lucian Vasile Pavel
Eng. George Bârjoveanu



CONFERENCE PROGRAM

SEPTEMBER 22nd 2004

17⁰⁰ - 19⁰⁰ Registration **Orizont Hall, Faculty of Industrial Chemistry**
Blvd. D. Mangeron, no. 71A, Iasi

SEPTEMBER 23rd 2004

8⁰⁰ - 9³⁰ Registration **Orizont Hall, Faculty of Industrial Chemistry**
Blvd. D. Mangeron, no. 71A, Iasi

10⁰⁰ - 10⁴⁵ Opening Ceremony **New Senate Hall (Rectorate Building)**
Blvd. D. Mangeron, no. 67, Iasi

10⁴⁵ - 11⁰⁰ Coffee break

11⁰⁰ - 13⁰⁰ Plenary Session ***“Environmental Engineering and Management in the Context of Sustainable Development”***
New Senate Hall (Rectorate Building),
Blvd. D. Mangeron, no. 67, Iasi

13⁰⁰ - 14³⁰ Lunch

14³⁰ - 16⁰⁰ Sessions of ICEEM/02 Faculty of Industrial Chemistry
Professorial Council Room and CH III Room.

16⁰⁰ - 16¹⁵ Coffee break

16¹⁵ - 17⁴⁵ Sessions of ICEEM/02 Faculty of Industrial Chemistry
Professorial Council Room and CH III Room.

19³⁰ Gala dinner “ONYX” Restaurant, Iasi

SEPTEMBER 24th 2004

Faculty of Industrial Chemistry, Blvd. D. Mangeron, no. 71A, Iasi

Professorial Council Room and CH III Room

9⁰⁰ – 11⁰⁰ Plenary Workshop “Sustainable Production and Consumption”
in co-operation with the International Institute for Industrial Environmental Economics,
Lund, Sweden

11⁰⁰ - 11¹⁵ Coffee break

11¹⁵ - 13⁰⁰ Plenary Workshop ***“Sustainable Production and Consumption”***
New Senate Hall (Rectorate Building),
Blvd. D. Mangeron, no. 67, Iasi

13⁰⁰ - 14³⁰ Lunch

14³⁰ - 17⁴⁵ Sessions of ICEEM/02 Faculty of Industrial Chemistry
Professorial Council Room and CH III Room.

19³⁰ Cocktail Bursa Moldovei Restaurant, Iasi



SEPTEMBER 25th 2004

Faculty of Industrial Chemistry, Blvd. D. Mangeron, no. 71A, Iasi

Professorial Council Room and CH III Room

9⁰⁰ - 10³⁰	Roundtable	<i>“Multidisciplinary Approach to Environmental Issues”</i> CH III Room
9³⁰ - 10³⁰	Sessions of ICEEM/02	Professorial Council Room
10⁴⁵ - 11⁰⁰	Coffee break	
11⁰⁰ - 14⁰⁰	Sessions of ICEEM/02	Professorial Council Room and CH III Room
14⁰⁰	Plenary Closing Ceremony	Professorial Council Room

SEPTEMBER 26th 2004

Excursion to Neamt Region (Cheile Bicazului, Lacul Rosu, Manastirea Agapia)

(Not included in the conference fee. Please register to the conference secretariat for participation)



DETAILED CONFERENCE PROGRAM

SEPTEMBER 23rd 2004

10⁰⁰	Opening Ceremony	New Senate Hall (Rectorate Building), Blvd. D. Mangeron, no. 67, Iasi
	Welcome address: Prof. Dr. Eng. Matei Macoveanu	Conference Chairman, head of the Department of Environmental Engineering and Management
	Prof. Dr. Eng. Nicolae Badea	Rector of the „Gh. Asachi” Technical University, Iasi
	Prof. Dr. Eng. Ion Balasanian	„Gh. Asachi” Technical University, Iasi Dean of the Faculty of Industrial Chemistry, Iasi
	Acad. Prof. Dr. Eng Gheorghe Duca	State University of Moldova, President of the Academy of Sciences, Republic of Moldova

Plenary Session: “Environmental Engineering and Management in the Context of Sustainable Development”

Chairperson: Prof. Dr. Eng. Carmen Teodosiu

11⁰⁰ – 11³⁰	Prof. Dr. Eng. Han Brezet Delft University of Technology, The Netherlands	Design for sustainability (D4S): towards advanced product concepts
11³⁰ – 12⁰⁰	Prof. Dr. Eng. Michael Søgaard Jørgensen Danish Technical University Lyngby, Denmark	Green Technology Foresight of high technology: hype or potentials - The challenges from nanotechnology, biotechnology and ICT
12⁰⁰ – 12³⁰	Prof. Dr. Eng. Anne Giroir Fendler Univ. „Claude Bernard” Lyon 1, France	Intrinsic properties of noble metals in catalytic selective reduction of NO by propene in lean burn conditions
12³⁰ – 13⁰⁰	Prof. Dr. Eng. Valentin I. Popa „Gh. Asachi” Technical University Iasi, Romania	Lignin in Bioremediation
13⁰⁰ – 14³⁰	Lunch (included in the conference fee)	“Estudiantina” Restaurant Blvd. Tudor Vladimirescu, T 17

September 23rd, 2004

SECTION: ENVIRONMENTAL ENGINEERING
(CH III Room)

WATER AND WASTE WATER TREATMENT

Chairperson: Prof. Dr. Eng. Emil Dumitriu

14³⁰-14⁴⁵	Cr(VI) Retention Capacity and Selectivity of some Strong and Weak Base Anion Exchangers	Ion Untea, Cristina Orbeci, Elena Tudorache, Violeta Neagu
14⁴⁵-15⁰⁰	Characterisation of ETS-10 and ETS(Fe)-10 Molecular Sieves Exchanged with Different Cations	Lucia Catanzaro, Pierantonio De Luca, Danilo Vuono, János B. Nagy, Alfonso Nastro
15⁰⁰-15¹⁵	Ion Exchange of Cobalt Ions by ETS-4 and ETS-10 Microporous Titanosilicates	Claudiu Constantin Pavel, Pierantonio De Luca, Nicolae Bilba, Alfonso Nastro
15¹⁵-15³⁰	Azolla Caroliniana as Uranium and Thorium Bioaccumulating Material	Rodica Calmoi, Marian Raileanu, Ioan Caraus, Alexandru Cecal, Karin Popa
15³⁰-15⁴⁵	Studies on the Process of Nitrates Content Decreasing in Simulated Solutions During Electrochemical Treatment	Gheorghe Duca, Maria Gonța, Vera Matveevici, Victor Iambartev, V. Călugăreanu, T. Pripa
15⁴⁵-16⁰⁰	Advanced Oxidation Processes. Decolorization of some Organic Dyes with H ₂ O ₂ .	Mioara Surpateanu, Carmen Zaharia
16⁰⁰-16¹⁵	Arsenic Removal from Water by Ion Exchange Resins;	Carmen Iesan, Satish Bapat, Bill Fries, Didi Coman, Doina Florea
16¹⁵-16⁴⁵	Coffee break/Book presentation	

ENVIRONMENTAL POLLUTION AND MONITORING

Chairperson: Prof. Dr. Eng. Elisabeta Chirilă

16⁴⁵-17⁰⁰	Method Validation for Sulphides Content in the Waste Waters	Camelia Draghici, C. Vrabie, , Ana Maria Bacs, D. Butuzarie, M. Luchian
17⁰⁰-17¹⁵	Particulate Matter Seasonal Variation in an Urban Area	Monica Filice, Pierantonio De Luca, Alfonso Nastro
16¹⁵-17³⁰	Dynamics of Heavy Metals in Sediments from River Prut	Vasile Rusu, Tudor Lupascu, Mihai Revenco, Larisa Postolachi
17³⁰-17⁴⁵	The Monitoring of Aluminium Concentration in Water and Fresh Food in Order to Estimate the Risks on Human Health	Irina Volf, Brandusa Robu, Oana Ciobanu
17⁴⁵-18⁰⁰	Heavy Metals Partitioning in Sediments from River Prut	Vasile Rusu, Tudor Lupascu, Mihai Revenco
19³⁰	Gala dinner: „ONYX” Restaurant, Sos. Bucium nr.7, Iasi	

September 23rd, 2004

SECTION: ENVIRONMENTAL MANAGEMENT

(Professorial Council Room)

ENVIRONMENTAL INTEGRATED MANAGEMENT

Chairperson: Prof. Dr. Eng. Michael Sogaard Jorgensen

14 ³⁰ -14 ⁴⁵	The Mass Balance and the Differences Method, New Techniques of the Water Management	Mihai Nicu, Marcel Perjoiu
14 ⁴⁵ -15 ⁰⁰	Sustainable Development Assessment: Application to the Prut River Basin	George Teodosiu, Barjoveanu, Michael Carmen Sogaard Jorgensen
15 ⁰⁰ -15 ¹⁵	A Complex Procedure for Water Quality Assessment	Mihai Nicu, Marcel Perjoiu
15 ¹⁵ -15 ³⁰	Restoration of Aquatic Environments	Mircea Nicoara
15 ³⁰ -15 ⁴⁵	Researches Concerning the Pollution Effect and the Ecological Reconstruction of Polluted Soils from Zlatna Area	Petru Guş, Teodor Rusu, Ileana Bogdan, Adriana Căprar
15 ⁴⁵ -16 ⁰⁰	The Role of Bioaugmentation in the Bioremediation of Contaminated Soils with Petroleum Products	Dana-Camelia Cocuţ, Mariana Diaconu, Matei Macoveanu
16 ⁰⁰ -16 ¹⁵	A Clean Procedure on the Chemical Leaching of The Uranium Ores in the Presence of Oxidising Agents	Marian Raileanu, Rodica Calmoi, Catinca Simion, G. Barbir, Alexandru Cecal, Karin Popa
16 ¹⁵ -16 ⁴⁵	Coffee break/Book presentation	
16 ⁴⁵ -17 ⁰⁰	Industrial Sites and Past Pollution Problem	Stela Dezsy, Cristina Miclaus, Nicolae Rizescu, Mihai Nicu
17 ⁰⁰ -17 ¹⁵	Wastewater planning and management in small communities	Camelia Betianu, Maria Gavrilescu

SECTION: ENVIRONMENTAL EDUCATION AND CURRICULUM DEVELOPMENT

- 17¹⁵-18⁰⁰ **Workshop “*Environmental Curriculum Development in European Universities*”**
Socrates/DISS Project: “*Management of Chemical Investigation in Environmental Protection*”
Chairperson: Assoc. Prof. Dr. Camelia Draghici
- 19³⁰ **Gala dinner:** „ONYX” Restaurant, Sos. Bucium nr.7, Iasi

September 24th, 2004

PLENARY WORKSHOP

(New Senate Hall)

9⁰⁰-11⁰⁰ Plenary Workshop “Sustainable Production and Consumption” in co-operation with International Institute for Industrial Environmental Economics, Lund, Sweden (Mikael Backman, Han Brezet, Adriana Budeanu)

11⁰⁰-11¹⁵ Coffee break

Plenary Workshop “Sustainable Production and Consumption”

Chairperson: Prof. Dr. Eng. Carmen Teodosiu

11¹⁵-11³⁰	Process Control in Cleaner Production	Irina Kliopova, Staniskis Jurgis
11³⁰-11⁴⁵	Environmental Aspects of Wet End Chemistry in Papermaking Process;	Nadezhda Ivanova, Dimitrina Todorova, Sijka Bencheva
11⁴⁵-12⁰⁰	Development of an Interactive Training Tool for Dissemination of Best Practice in Waste Reporting	Ross Mowbray, Ilie Siminiceanu, Walter Wukovits, Anton Friedl, Rainer Stifter, Ferruccio Jarach, Andreas Scherlowsky, Michael Karg, Eva Feuer
12⁰⁰-12¹⁵	Plasma reactors as an alternative for the classic technologies – methane steam reforming with oxygen in a magnetic blow out glidarc reactor	Rusu Iulian, Jean Marie-Cormier
12¹⁵-12³⁰	Used Oil Collection and Recycling – Lessons from the First Pilot Project in Romania	Adrian Georgescu, Cristina Mertl, Sorin Hant, Aura Georgescu
12³⁰-12⁴⁵	Solid Waste Generation in Kraft Pulp Mills	Dan Gavrilescu
12⁴⁵-13⁰⁰	Research Regarding the Chemical Modification Of Wood	Lucia Dumitrescu
13⁰⁰-14³⁰	Lunch (included in the conference fee)	“Estudiantina” Restaurant Blvd. Tudor Vladimirescu, T 17

SECTION: ENVIRONMENTAL ENGINEERING

(Professorial Council Room)

ENVIRONMENTAL POLLUTION AND MONITORING

Chairperson: Prof. Dr. Eng. Maria Gavrilescu

14³⁰-14⁴⁵	The Pollution of Water Resources in The Eskisehir Region within the Porsuk River Basin, Turkey	Gallip Yuce, Pinarbasi Arzu, Ozcelik Sakir, Ugurluoglu Didem
14⁴⁵-15⁰⁰	Persistent Organic Pollutants State in the Republic of Moldova	Gheorghe Duca, Andrei Isac, Ion Barbarasa
15⁰⁰-15¹⁵	Content of Organic Pollutants (PAHs and POPs) in Surface Waters from Danube Delta and Plitvice Lakes	Simona Dobrinas, Alina Soceanu, Semaghiul Birghila, Viorica Popescu, Nicoleta Matei, Valentina Coatu
15¹⁵-15³⁰	A New Tool for Site Investigation: Fast GC/MS Analysis of Benzo(A)Pyrene in Soil	Brindusa Robu, Torsten Ollesch, Wolfgang Schröder, Gerhard Matz

15 ³⁰ -15 ⁴⁵	Determination of Heavy Metals and C Vitamin in <i>Allium</i> Plants (Garlic and Onion)	Simona Dobrinas, Nicoleta Matei, Semaghiul Birghila, Viorica Popescu, Alina Soceanu
15 ⁴⁵ -16 ⁰⁰	Particulate Matter Monitoring in Brasov Area	Rodica Tica, Mihaela Sica, Camelia Draghici, Emilia Ioana, Carmen Arama
16 ⁰⁰ -16 ¹⁵	Ethanol Production by Bioengineering	Gabriela Soreanu, Pierre-Luc Gagnon, Cynthia Gregoire, Bernard Marcos, Michele Heitz
16 ¹⁵ -16 ³⁰	Coffee break	

WATER AND WASTEWATER TREATMENT TECHNOLOGIES

Chairperson: Prof. Dr. Eng. Ion Untea

16 ³⁰ -16 ⁴⁵	Complex Approach to the Problem of Persistent Organic Pollutants Degradation in Water Environment	Victor Covaliov, Olga Covaliova, Angela Cinclei, Gilles Mailhot, Pascal Besse, Ann-Marie Delort, Michele Bolte, Ion Dragalin
16 ⁴⁵ -17 ⁰⁰	Wastewater decolorization by chemical and electrocoagulation methods	Gheorghe Duca, Maria Gonta, Vera Matveevici, Doina Porubin, Octav Nistor
17 ⁰⁰ -17 ¹⁵	The Phosphorus Removal from Wastewaters- An Important Target to Prevent Eutrophication	Corneliu Negulescu, Mihaela Negulescu
17 ¹⁵ -17 ³⁰	The Study of Photocatalytic Free and Complex Cyanide Elimination Process from the Industrial Wastewater Using a Self Made Al ₂ O ₃ /TiO ₂ Catalyst	Karim Movassaghi, Majid Salehi
17 ³⁰ -17 ⁴⁵	Evaluation of Physical – Chemical Treatment Alternatives to Increase Removal Efficiency of Primary Wastewater Treatment	Daniela Teleman , Peter Wilderer, Carmen Teodosiu, Thilo Koetzle
17 ⁴⁵ -18 ⁰⁰	Some Aspects about Performances of Biochemical Stage from Petrochemical Wastewater Treatment Plant	Elisabeta Chirila, Dan Mandalopol
18 ⁰⁰ -18 ¹⁵	Biosorption of (Cu ²⁺) ions from aqueous solution by <i>Enteromorpha</i>	Loredana Branza, Matthew J.Dring, Maria Gavrilescu
19 ³⁰	Cocktail: Bursa Moldovei Restaurant, Iasi	

September 24th, 2004

SECTION: ENVIRONMENTAL ENGINEERING
(CH III Room)

ENVIRONMENTAL MODELLING, SIMULATION AND OPTIMIZATION

Chairperson: Prof. Dr. Anton Friedl

14³⁰-14⁴⁵	Environmental Engineering Supported by Process Simulation	Paul Schausberger, Anton Friedl
14⁴⁵-15⁰⁰	Natural Attenuation of COD released from Savinesti Chemical Platform	Fanel Apostu, Stela Dezsy, Mihai Nicu
15⁰⁰-15¹⁵	Performance Valuation of Gaussian Based Line Source Models at Urban Roadways in the Bangalore City	Shiva Nagendra, Megha Prakash, Renny Monilal, Mukesh Khare

SOLID WASTE TREATMENT

Chairpersons: Prof. Dr. Eng. Mihai Nicu

15¹⁵-15³⁰	Composites from Recycled Wood and Plastic	Gabriela Constantinescu, Valentin Ion Popa, Niculina Popa, Niculina Lazăr
15³⁰-15⁴⁵	Fruit Waste Management	Anca Sabina Serban, Mihai Nicu
15⁴⁵-16⁰⁰	A Modern Approach in Wood Waste Management: Composites Based on a Novel Co-polyamide as Matrix	Madalina Zanoaga, Mamunya Yevgen, Fulga Tanasa, Myshak Volodymyr, Raluca Darie, Eugene Lebedev
16⁰⁰-16¹⁵	Researches on thermal treatment of wasted portable batteries and accumulators	Ioanica Persu, Ciprian Chisega-Negrila, Andreea Iancu
16¹⁵-16³⁰	Coffee break	
16³⁰-16⁴⁵	The Disposal of Used Ion Exchange Resins	Viky Dicu, Carmen Iesan, Mihai Chirica, Satish Bapat
16⁴⁵-17⁰⁰	Current Level of Pollution on Thermal Treatment of Bearing Steels Low – Polluting Cryogenic Treatment	Neculai Foca, Dorin Condurache, Vasile Bulancea
17⁰⁰-17¹⁵	Green Mud, Controversial Waste Resulted from Winemaking Industry	Mihai Nicu, Ioan Nema
17¹⁵-17³⁰	PbO Accumulator Waste Reuse in the Glass Industry	Camelia Capatina
17³⁰-17⁴⁵	The Neutralisation of Solid Waste from the Thermal Treatment of Steel: The Installation and the Technological Equipment	Georgeta Gavriș, Alina-Claudia Cozma, Alina Cărăban, Vasilica Merca
19³⁰	Cocktail: Bursa Moldovei Restaurant, Iasi	



25th September, 2004

SECTION: MULTIDISCIPLINARY APPROACH ON ENVIRONMENTAL ISSUES

(Professorial Council Room)

Chairperson: Prof. Dr. Eng. Matei Macoveanu

9 ⁰⁰ -10 ³⁰	Roundtable “Can Religion Contribute to the Sustainable Development?”	Conference held by European Society for the Study of Science and Theology
10 ³⁰ -10 ⁴⁵	Survey of the Behaviour of Conservation Interventions on Probota Monastery's Indoor Frescoes under the Influence of the Environmental Factors. III Correlations between Thermal, Hygroscopic and Sonic Parameters	Ion Sandu, Adrian Dima, Ioan Gabriel Sandu, Constantin Luca, Irina Crina Anca Sandu, Andrei Victor Sandu
10 ⁴⁵ -11 ⁰⁰	Coffee break	
11 ⁰⁰ -11 ¹⁵	Perceived Values of Agrarian Landscapes in Eastern and Western Norway	Einar Strumse
11 ¹⁵ -11 ³⁰	Communication for Sustainability- Tradition and Progress	Carmen Catalina Ioan
11 ³⁰ -11 ⁴⁵	Juridical Means of Protecting Environment Factors in European Legislation	Gheorghe Durac, Petru Condrea, Ionel Bostan
11 ⁴⁵ -12 ⁰⁰	Consequences of Breaking the Juridical Regime of Environment	Gheorghe Durac, Petru Condrea, Ionel Bostan

SECTION: ENVIRONMENTAL EDUCATION AND CURRICULUM DEVELOPMENT

12⁰⁰-12⁴⁵ **Workshop “Environmental Education and Co-operation with Civil Society ”** held by the members of the Romanian and international Science Shops Network

Chairperson: Prof. Dr. Eng. Carmen Teodosiu

	Curriculum development through Science Shops	Arie Fokkink, Henk Mulder
12 ⁴⁵ -13 ⁰⁰	Environmental and sustainable development education	Miroslav Tadic

SECTION: ENVIRONMENTAL ENGINEERING

SOLID WASTE TREATMENT

Chairperson: Prof. Dr. Eng. Mihai Nicu

13 ⁰⁰ -13 ¹⁵	Classification and Identification of Hazardous Properties of Wastes in Romania	Aura Georgescu, Cristina Mertl, Sorin Hant
13 ¹⁵ -13 ³⁰	Production of tartaric acid from the wine yeast via the reactive extraction	Gheorghe Duca, Aliona Mereuța, Maria Gonța, Cornel Cojocaru
13 ³⁰ -13 ⁴⁵	Demolition Management Case Study – Cyanide Unit in Fibrexnylon Savinesti	Cristina Miclaus, Stela Dezsy, Nicolae Rizescu, Mihai Nicu
14 ⁰⁰	Plenary Closing Ceremony (Professorial Council Room)	

25th September, 2004

SECTION: ENVIRONMENTAL ENGINEERING
(CH III Room)

WATER AND WASTE WATER TREATMENT TECHNOLOGIES

Chairperson: Prof. Dr. Maria Gonta

9 ⁰⁰ – 9 ¹⁵	New Methods for Copper and Sulphide Ions Retaining from Wastewater	Silvia Patachia, Luminita Isac, Mihaela Rinja
9 ¹⁵ – 9 ³⁰	Possibilities of Aluminium Removal from Aqueous Solutions using Original Polyurethane Membranes	Mariana Bezdadea, Eugenia Doniga, Rodica Diaconescu, Militina Bourceanu, Igor Crețescu, Daniela (Axinte) Zavastin, Marius Secula
9 ³⁰ -9 ⁴⁵	Heavy Metals Removal from Waste Water by Ionic Exchange and Precipitation	Camelia Draghici, C. Vrabie, D. Butuzarie, Ana Maria Bacs, M. Codri
9 ⁴⁵ -10 ⁰⁰	Technological Aspects of Wastewater Treatment with Activated Sludge Specific to High Organic Loading	Bradut Dima, Constantin Dorobat, Mihai Dima
10 ⁰⁰ -10 ¹⁵	Studies on Diesel Oil Spills Removal from Surface Water using Peat Moss: Process Modelling and Optimisation	Corneliu Cojocaru, Igor Cretescu, Matei Macoveanu, Mariana Diaconu, Angelica Kicsi

ENVIRONMENTAL POLLUTION AND MONITORING

Chairperson: Prof. Dr. Eng. Maria Gavrilescu

10 ¹⁵ -10 ³⁰	Chemical Pollution of the Environment. Water Sources and Health.	Tinca Navrotescu, Manuela Gheorghes
10 ³⁰ -10 ⁴⁵	Determination of Heavy Metals from the Ecosystem of Vrancea Mountains	Semaghiul Birghila, Anca Dumbrava, Simona Dobrinas
10 ⁴⁵ -11 ⁰⁰	Coffee break	
11 ⁰⁰ -11 ¹⁵	Detection of Some Pollutants from Black Sea Mussels	Gabriela Stanciu, Magdalena Mititelu
11 ¹⁵ -11 ³⁰	Heavy Metals Detection from some Food Products	Magdalena Mititelu, Gabriela Stanciu, Simona Gutaga
11 ³⁰ -11 ⁴⁵	Heavy Metal Determination in Diferent Types of Sewage Sludges by FAAS	Elisabeta Chirila, Ionela Carazeanu, Marius Belc
11 ⁴⁵ -12 ⁰⁰	Herbicial Behaviour of a New N-Biquaternary Salt of 4, 4'-Bipyridine	Servilia Oancea, Marinela Irimia, Gabriela Carja, Anton Airinei, Neculai Aelenei
12 ⁰⁰ -12 ¹⁵	Concentration of Heavy Metals in Sedimentable Pollutants Powders	Vasile Viman, Mariana Dobra
12 ¹⁵ -12 ³⁰	Aspects of Surface and Ground Waters Pollution due to the Mineral Oil Activities	Camelia Capatina, Gheorghe Lazar

TREATMENT TECHNOLOGIES FOR GASEOUS FLUXES

Chairperson: Prof. Dr. Anne Giroir Fendler

12 ³⁰ -12 ⁴⁵	Surface Chemistry Studies on Molybdena-Alumina Catalyst	Tatiana Yuzhakova, Ákos Rédey, Endre Domokos, József Kovács, Monica Caldararu, Cristian Hornoiiu,
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		Mariana Carata, G.Postole, Cornel Munteanu, Larisa Strukova and Jozse Fazakas
12⁴⁵-13⁰⁰	Biodegradation – innovation technology to treat gaseous fluxes containing VOC	Oana Penciu, Maria Gavrilesu
13⁰⁰-13¹⁵	Monitoring of NO _x Emissions in Brasov Atmosphere	Rodica Tica, Camelia Draghici, Mihaela Sica, Stefania Blaj, Dana Perniu, Lucia Dumitrescu
13¹⁵-13³⁰	New Technology of Removal of Pollutants by Application of an Electric Field under the Flame	Cleopatra Botez, Tudor Sajin, Aureliu Leca, Alexandru Craciun
13³⁰-13⁴⁵	Nanoparticles of Calcined CE-CO Substituted Hydrotalcite: Catalytic Behavior for the Reduction of N ₂ O by NH ₃	Gabriela Carja, Marinela Irimia, M. Toyota, Ionel Marcel Popa
13⁴⁵-14⁰⁰	Perovskite utilisation as catalysts in NO reduction by SCR-HC in absence of O ₂	Liliana Mihaela Abordeoaei, Helmut Papp, Ion Balasanian
14⁰⁰	Plenary Closing Ceremony (Professorial Council Room)	