

7th INTERNATIONAL CONFERENCE ENVIRONMENTAL ENGINEERING AND MANAGEMENT

Integration Challenges for Sustainability

CONFERENCE PROGRAM



September 18 – 21, 2013

Vienna, Austria





ORGANIZERS

“Gheorghe Asachi” Technical University of Iași, Romania

Faculty of Chemical Engineering and Environmental Protection

Department of Environmental Engineering and Management



Vienna University of Technology, Austria

Faculty of Technical Chemistry

Institute of Chemical Engineering

Thermal Process Engineering and Simulation Research Division



PARTNERS

European Federation of Biotechnology

Environmental Biotechnology Section



InterMEDIU Information, Consultancy and ODL Department,
TUIASI, Romania

Academic Organization for Environmental Engineering and
Sustainable Development (OAIMDD), Iași, Romania





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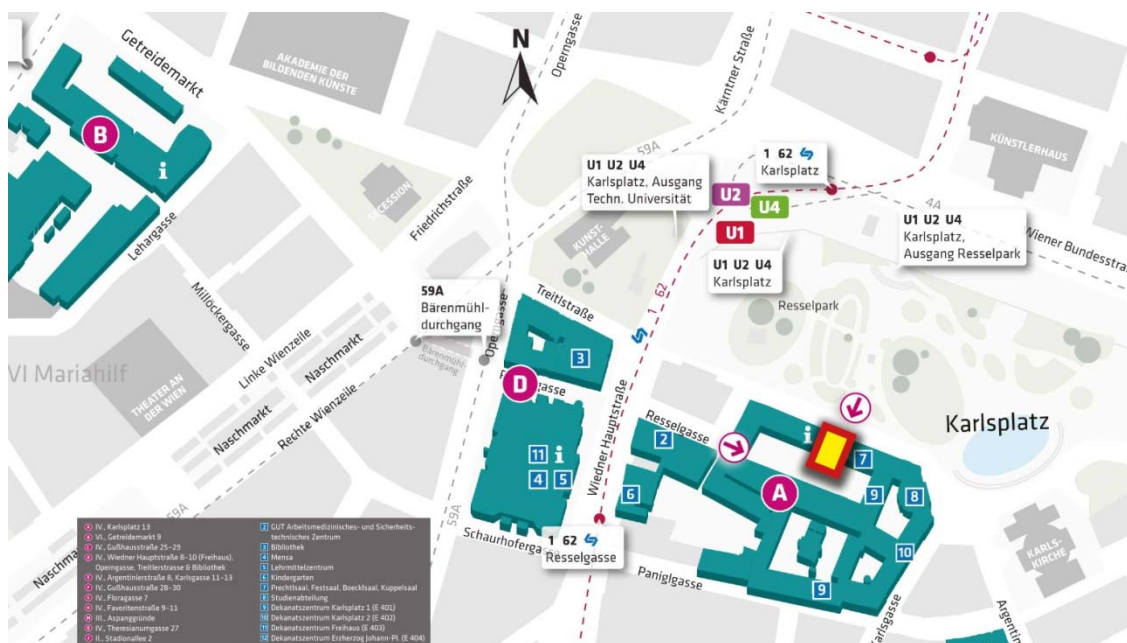


GENERAL INFORMATION

Address and Conference Venue

All ICEEM 07 sessions will take place in the main building of the Vienna University of Technology unless otherwise presented in this program.

Vienna University of Technology
 Karlsplatz 13
 1040 Vienna
 Austria



The Vienna University of Technology (TU Vienna) is located in the heart of Europe, in a cosmopolitan city of great cultural diversity. For nearly 200 years, the TU Vienna has been a place of research, teaching and learning in the service of progress. The TU Vienna is among the most successful technical universities in Europe and is Austria's largest scientific-technical research and educational institution.

Registration and Conference Desk

The ICEEM07 registration will take place Wednesday, 18 September from 18:00 to 19:30 and Thursday, 19 September. All participants are invited to register and collect the conference materials at the conference desk situated in Hall "Foyer 3.OG".

Oral Presentations

The oral presentations program is structured in parallel sessions, which are held according to this conference program. Time allocation for standard presentations is 15 minutes, including discussions. LDC projectors and a PC (Windows, MS Office, Adobe Acrobat) will be available in the session rooms. Authors are invited to upload their presentations well in advance to the PC in the scheduled session

room in order to avoid last minute problems. Uploading will exclusively be done via USB-drives.
Overhead projectors will not be available.

Authors are also invited to reach the session room 10 minutes before the beginning and to introduce themselves to the Chairpersons.

Posters

Posters may be displayed continuously throughout the ICEEM07 duration in the halls “Kuppelsaal” and “Foyer 3.OG”.

Poster panels will be identified with the same number assigned to the poster in the Conference Program. Posters will be mounted on and removed from the supporting panels by the authors. Mounting on will be possible with the start of registration. Materials will be available at the conference desk. **Posters should be removed no later than Friday afternoon, by 18:00.**

Organizers strongly encourage poster discussions during coffee and lunch breaks, as well as during the “Poster Party” on Thursday 19 September 2013 starting at 17.30. Poster authors are requested to be at their poster during “Poster Party”.

Coffee Breaks, Lunch and Poster Party

Coffee Breaks, Lunch and Poster Party are included in the conference fee. Coffee Breaks and Poster Party will take place in halls “Kuppelsaal” and “Foyer 3.OG”. Lunch will be served at hall “Kuppelsaal”.

Conference Dinner – Dinner Reception by the Mayor and Governor of the City of Vienna

Friday, 20 September 2013, 20:00

The mayor and Governor of the City of Vienna will host the conference attendees at a typical Viennese Wine Tavern, a so called “Heurigen”, in the suburbs of Vienna.

Event Address:

Heurigenrestaurant “Fuhrgassl-Huber”
Neustift am Walde 68
1190 Vienna



A valid ticket is necessary to attend conference dinner for conference delegates as well as accompanying persons. The ticket(s) will be handed to the delegates who have registered for the conference dinner at the conference desk.

A bus transfer will be organized from the conference location to the restaurant and back to the city center. Further details will be available at the conference desk.

Internet connection

Internet connection is provided in the conference rooms via Eduroam or Wireless LAN. Access information for Wireless LAN will be provided upon request at the conference desk.



CONFERENCE PROGRAM

All ICEEM 07 sessions will take place in the main building of the Vienna University of Technology unless otherwise presented in this program.

Vienna University of Technology
 Karlsplatz 13
 1040 Vienna
 Austria

Wednesday, 18 September 2013

Hours	
18:00-19:30	Registration, Hall "Foyer 3.OG"

Thursday 19 September 2013

Hours		
8:30-9:00	Registration, Hall "Foyer 3.OG"	
9:00-9:30	Opening Ceremony, Hall "Prechtlsaal"	
9:30-10:30	Plenary session 1, Hall "Prechtlsaal"	
10:30-11:00	Coffee Break Halls "Kuppelsaal" and "Foyer 3.OG"	
11:00-12:30	Plenary session 2, Hall "Prechtlsaal"	
12:30-14:00	Lunch and Poster Session "Kuppelsaal" and "Foyer 3.OG"	
	Hall "Festsaal"	Hall "Boecklsaal"
14:00- 15:30	Parallel Session 1.1 Section Water Supply & Wastewater Treatment	Parallel Session 2.1 Section Waste Management for Resources and Energy Recovery
15:30-16:00	Coffee Break and Poster Session Halls "Kuppelsaal" and "Foyer 3.OG"	
16:00-17:30	Parallel Session 1.2 Section Water Supply & Wastewater Treatment	Parallel Session 2.2 Section Environmental Biotechnology
17:30-20:30	Poster Party Halls "Kuppelsaal" and "Foyer 3.OG"	





Friday 20 September 2013

Hours	Hall "Festsaal"	Hall "Boecklsaal"	Hall "HS14A"
9:00-10:30	Parallel Session 1.3. Section Environmental Integrated Management & Policy Issues	Parallel Session 2.3. Section Environmental Biotechnology	Parallel Session 3.1. Section Modeling, Simulation and Optimization
10:30-11:00	Coffee Break and Poster Session Halls "Kuppelsaal" and "Foyer 3.OG"		
11:00-12:30	Parallel Session 1.4 Section Environmental Pollution and Monitoring	Parallel Session 2.4. Section Environmental Biotechnology	Parallel Session 3.2. Section Modeling, Simulation and Optimization
12:30-14:00	Lunch and Poster Session Halls "Kuppelsaal" and "Foyer 3.OG"		
14:00-15:30	Parallel Sesssion 1.5. Section Environmental Pollution and Monitoring	Parallel session 2.5. Closed Meeting of the Experts Group of the Environmental Biotechnology section of the European Federation of Biotechnology (EFB)	Parallel Session 3.3. Section Sustainable Processes and Production
15:30-16:00	Coffee Break and Poster Session Halls "Kuppelsaal" and "Foyer 3.OG"		
16:00-17:00		Parallel session 2.6 Open EFB Session General Assembly of the Environmental Biotechnology section of the European Federation of Biotechnology (EFB)	Parallel Session 3.4. Section Sustainable Processes and Production
17:00-17:30	ICEEM07 Closing Ceremony Hall "Festsaal"		
20.00	Conference Dinner Dinner Reception by the Mayor and Governor of the City of Vienna Heurigenrestaurant "Fuhrgassl-Huber" Neustift am Walde 68, 1190 Vienna		

Saturday, 21 September 2013

	Group Meetings, Visit at the Vienna University of Technology, Social Program
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DETAILED CONFERENCE PROGRAM

Wednesday, 18 September 2013

Hours	
18:00-19:30	Registration, Hall "Foyer 3.OG"

Thursday 19 September 2013

Hours	
8:30-9:00	Registration, Hall "Foyer 3.OG"

Opening Ceremony and Plenary Sessions

Thursday 19.09.2013, 9.00 – 12.30, Hall "Prechtlsaal"

Hours	Activity and Location	
	OPENING CEREMONY	
	Prof.dr. Johannes Fröhlich	Vice Rector of Research, Vienna University of Technology
	Prof.dr. Carmen Teodosiu	Vice Rector of Research, <i>Gheorghe Asachi</i> Technical University of Iasi ICEEM07 Chairperson
9:00-9:30	Prof.dr. Anton Friedl	Vienna University of Technology ICEEM07 Chairperson
	Prof.dr. Spiros Agathos	Vice-Chair of the Environmental Section of the European Federation of Biotechnology
	Dr. Gudrun Weinwurm	Session Moderator, Vienna University of Technology
	PLENARY SESSION 1 Chairpersons: Prof.dr. Carmen Teodosiu and Prof.dr. Anton Friedl	
9:30-10:00	Sustainable Production and Consumption: Integrating Environmental, Economic and Social Aspects of Sustainability	Prof.dr. Adisa Azapagic , The University of Manchester, UK
10:00-10:30	Sustainable Innovation through Design - Entrepreneurial & Policy Effectuation	Prof.dr. Han Brezet , Delft University of Technology, The Netherlands
10:30-11:00	Coffee Break Halls "Kuppelsaal" and "Foyer 3.OG"	
	PLENARY SESSION 2 Chairpersons: Prof.dr. Carmen Teodosiu and Prof.dr. Anton Friedl	
11:00-11.30	Bioprocesses in the Fight Against Emerging Pollutants	Prof.dr. Spiros Agathos , Université Catholique de Louvain, Belgium
11.30-12.00	Rethinking Waste Management within the Resource-Efficient Concept	Prof.dr. Andjelka Mihajlov , University of Novi Sad, Serbia
12.00-12.30	Environmental Management Potential of Developing Sustainable Bioeconomy Solutions: an Overview	Prof.dr. Emmanuel Koukios , National Technical University of Athens, Greece
12:30-14:00	Lunch and Poster Session Kuppelsaal and Foyer 3.OG	



Thursday 19.09.2013

Parallel Session 1.1. Section Water Supply & Wastewater Treatment

Thursday 19.09.2013, 14.00 – 15.30, Hall “Festsaal”

Chairpersons: Assoc. Prof.dr. Florica Manea and Prof.dr. Akos Redey

Time	Title	Authors
14.00-14.15	Application of Magnetic Nanoparticles in Drinking Water Purification	<u>Dayi Zhang</u> , Xu Yunfeng, Chengcai Li, Wei E. Huang
14.15-14.30	Preparing the Heavy Metal Balance in a Hungarian Municipal Sewage Treatment Plant	<u>Gabor Gulyas</u> , Viktoria Pitas, Arpad Karpati, Bence Fazekas, Endre Domokos, Akos Redey
14.30-14.45	Similarities and Differences between the Radicals of Reactions Produced during Vacuum Ultraviolet Photolysis and Gamma Radiolysis	Zsuzsanna Kozmér, Eszter Arany, Tünde Alapi, András Dombi, Erzsébet Takácsb, László Wojnárovitsb, Klára Hernádi
14.45-15.00	Removing Toxic Compounds from Wastewater	<u>Cristina Orbecj</u> , Gheorghe Nechifor, Ion Untea, Rodica Stănescu
15.00-15.15	Electrochemical degradation of natural organic matter from groundwater using boron-doped diamond electrodes	Agnes Jakob, <u>Florica Manea</u> , Magdalena Ardelean, <u>Aniela Pop</u> , Ilie Vlaicu
15.15-15.30	TiO ₂ photocatalytic copper removal from aqueous solutions containing Cu(II) and ethylenediaminedisuccinic acid (EDDS)	<u>Suéllen Satyro</u> , Laura Clarizia, Ilaria Di Somma, Raffaele Marotta, Renato F. Dantas, Marcia Dezotti, Roberto Andreozzi
15.30-16.00	Coffee Break and Poster Session Halls “Kuppelsaal” and “Foyer 3.OG”	

Parallel Session 1.2. Section Water Supply & Wastewater Treatment

Thursday 19.09.2013, 16.00 – 16.45, Hall “Festsaal”

Chairpersons: Assoc. Prof.dr. Florica Manea and Prof.dr. Akos Redey

Time	Title	Authors
16.00-16.15	Dynamics of a Rhizodegradation Pilot Unit Treating Groundwater Contaminated with Bisphenol-A	E. Petousi, S. Christofilopoulos, J. Hatas, E. Syranidou and <u>N. Kalogerakis</u>
16.15.-16.30	Electro-Fenton Decolourisation of Dyes in Batch and Continuous Reactor by use of Catalytic Activity of Iron Loaded Hydrogels	<u>Elvira Bocos</u> , Olaia Iglesias, Marta Pazos and Angeles Sanromán



Time	Title	Authors
16.30-16.45	Electrochemical reclamation of petroleum tanker truck cleaning wastewater	<u>Konstantinos Dermentzis</u> , Dimitrios Marmanis, Achilleas christoforidis, Konstantinos Ouzounis
16:45-17:00	Mechanism and Kinetic Study on the Alkylaton of Isobutane with Butenes using Environmental Friendly Catalysts	<u>Akos Redey</u> , Tatiana Yuzhakova
17:30-20.00	Poster Party Halls “Kuppelsaal” and “Foyer 3.OG”	

Parallel Session 2.1. Section Waste Management for Resources and Energy Recovery

Thursday 19.09.2013, 14.00 – 15.30, Hall “Boecklsaal”

Chairpersons: Prof.dr. Thomas Amon and Dr. Daniela Cailean

Time	Presentation	Authors
14.00-14.15	A Holistic Approach to Sustainable Energy Development at Regional Level: The Renergy Self-Assessment Methodology	<u>Dvarioniene Jolanta</u> , Gurauskiene Inga, Gecevicius Giedrius, Cosmi Carmelina, Senatru Di Leo, Selada Catarina, Marques Isabel, Mendes Gisela
14.15-14.30	Study on the Composition of the Red Mud and its Utilization	<u>Tatiana Yuzhakova</u> , Helga Leitold, Ákos Rédey, Zsófia Kovács
14.30-14.45	BIO-ORE	<u>Johannes Kissler</u> , Heinz Gattringer, Christine Scheffknecht, Daniela Kretschy, Monika Iordanopoulos-Kissler
14.45-15.00	Biohydrogen and Volatile Fatty Acids Production in a Sequential, Non-Competitive Two-Step Anaerobic Process Fed with Dephenolized OMWs	Alberto Scoma, <u>Lorenzo Bertin</u> , Matilde Monti, Fabio Fava
15.00-15.15	Maximization of Heat Recovery in a Heat Exchanger Network by Network Re-Design - A Case Study	<u>Przemysław Trzciński</u> , Mariusz Markowski
15.15-15.30		
15.30-16.00	Coffee Break and Poster Session Halls “Kuppelsaal” and “Foyer 3.OG”	



Parallel Session 2.2. Section Environmental Biotechnology

Thursday 19.09.2013, 16.00 – 16.45, Hall “Boecklsaal”

Chairpersons: Prof.dr. Spiros Agathos and Prof.dr. Dan Cascaval

Time	Presentation	Authors
16.00-16.15	Unraveling How Bacteria Feed on Sulfonamide Antibiotics	Benjamin Ricken, <u>Philippe F. X. Corvini</u> , Danuta Cichocka, Martina Parisi, Markus Lenz, Dominik Wyss, Paula M. Martínez-Lavanchy, Jochen A. Müller, Patrick Shahgaldian, Ludovico G. Tulli, Hans-Peter E. Kohler, Boris A. Kolvenbach
16.15.-16.30	Assessment of Several Matrices for Immobilization of <i>Pseudomonas Stutzeri</i> and their Potential as Permeable Reactive Biobarriers	Laura Ferreira, Emilio Rosales, Angeles Sanromán and <u>Marta Pazos</u>
16.30-16.45	Selection and Evaluation of a Microbial Community Capable of Degrading the Herbicide Glyphosate	Castelán-Olmedo, Armando, <u>Santoyo-Tepole, Fortunata</u> , Juárez-Ramírez, Cleotilde, Ruiz-Ordaz, Nora, Galíndez-Mayer, Juvencio
16.45-17.00	Behavior of a Microbial Community in the Degradation of the Triazine Herbicide Prometryn	José Fernando Pérez-Bárcena, <u>Deifilia Ahuatz-Chacón</u> , Karla Lizzette Castillo-Martínez, Nora Ruiz-Ordaz, Juvencio Galíndez-Mayer
17.00-17.15	Biodegradation of Diethylketone by <i>S. equisimilis</i>	<u>Filomena Costa</u> , Cristina Quintelas, Teresa Tavares
17.15-17.30	Copper and Zinc Assisted Phytoremediation by Means of Sunflower, Chelants and Bacterial Consortium	Gerardo Vuotto, Angela Cicitelli, Francesco Guarino, Giovanni Vigliotta, <u>Stefano Castiglione</u>
17:30-20.00	Poster Party Halls “Kuppelsaal” and “Foyer 3.OG”	

Friday, 20 September 2013

Parallel Session 1.3. Section Environmental Integrated Management & Policy Issues

Friday 20.09.2013, 9.00 – 10.30, Hall “Festsaal”

Chairpersons: Prof.dr. Carmen Teodosiu and Prof.dr. Adisa Azapagic

Time	Presentation	Authors
9:00-9:15	Comparative Analysis of Technological and Natech Risk for two Petroleum Products Tanks Located in a Seismic Area	Augusta Diana Gheorghiu, <u>Zoltán Török</u> , Alexandru Ozunu, Giacomo Antonioni, Valerio Cozzani
9:15-9:30	Environmental Assessment of Wastewater Discharges. A Comparative Study of Evaluation Methods	<u>Carmen Teodosiu</u> , George Barjoveanu, Simona-Andreea Popa, Ioana Dascalescu, Brindusa Robu
9:30-9:45	Evaluation of Environmental Impacts for Cd(II) Biosorption on Pumpkin Seed Hulls using Life Cycle Assessment	<u>Raluca Maria Hlihor</u> , Cristina Ghinea, Dana Sobariu, Isabela Teslaru, Laura Carmen Apostol, Petronela Cozma, Laura Bulgariu, Maria Gavrilescu
9:45-10:00	Conventional vs. Vacuum Sewage System in Rural Areas- an Environmental and Economic Approach Case Study: Siretu Village, Romania	<u>Iulia Carmen Ciobotici (Terry)</u> , Iuliana Lazar, Valentin Nedeff, Gabriel Lazar
10:00-10:15	Techno-Economic Evaluation of a Corn-Fibre-Based Biorefinery Process	Krisztina Gubicza, Csaba Fehér, <u>Zsolt Barta</u>
10:15-10:30	Closing the Loop Between Environmental Health Stressors. Integrated Exposure Assessment in Thessaloniki, Greece	<u>Christos Vlachokostas</u> , Nicolas Moussiopoulos and Apostolos Athanasiadis
10:30-11.00	Coffee break and Poster Session Halls “Kuppelsaal” and “Foyer 3.OG”	

Parallel Session 1.4. Section Environmental Pollution and Monitoring

Friday 20.09.2013, 11.00 – 12.30, Hall “Festsaal”

Chairpersons: Prof.dr. Gabriel Lazar and Prof.dr. Emmanuel Koukios

Time	Presentation	Authors
11:00-11:15	Uncertainty in Calculating Air Exchange Rate of Naturally Ventilated Dairy Building Based on Point Concentrations	<u>C. K. Saha</u> , M. Fiedler, W. Berg, C. Loebstin, C. Ammon, T. Amon
11:15-11:30	Research on Carbon Monoxide Pollution, using GIS Software	Sorin Ioan Borza and Valentin Petrescu



Time	Presentation	Authors
11:30-11:45	Metal Uptake in Water Spinach Grown on Contaminated Soil Amended with Chicken Manure and Coconut Tree Sawdust	<u>Azlan Kamari</u> , Siti Najiah Mohd Yusoff, Che Fauziah Ishak, Norhayati Hashim, Azmi Mohamed, Esther Phillip
11:45-12:00	Determination of Volatile Organic Compounds and Particulate Matter Levels in an Urban Area from Romania	Roba Carmen, Ștefănie Horațiu, Török Zoltán, Kovacs Melinda, <u>Roșu Cristina</u> , Ozunu Alexandru
12:00-12:15	Metal Uptake from Soils by Plants and their Food Chain Transfer to <i>Testudo hermanni</i> Eggs	<u>Marius Lucian Matache</u> , Aurora Daniela Neagoe, Laurentiu Rozyłowicz
12:15-12:30	Method for the Determination of the Electric Permittivity of Air Pollutants, Effective in Heat Transport	<u>Milan Pavlović</u> , Ioana Ionel, Mirjana Ševaljević, Nicolae Stelian Lontis, Aleksandar Đurić
12:30-14.00	Lunch and Poster Session Halls “Kuppelsaal” and “Foyer 3.OG”	

Parallel Session 1.5. Section Environmental Pollution and Monitoring

Friday 20.09.2013, 14.00 – 15.30, Hall “Festsaal”

Chairpersons: Prof.dr. Carmen Postolache and Dr. Michael Harasek

Time	Presentation	Authors
14.00-14.15	Monitoring of Mercury and Urban Dust in the Industrial Area of Iasi Municipality	Oana Maria Tucaliuc, Igor Cretescu, Gheorghe Nemtoi, <u>Iuliana Gabriela Breaban</u> , Gabriela Soreanu, Ovidiu Gabriel Iancu
14.15-14.30	Environmental Risks due to Heavy Metal Pollution of the Water Resources in the Area of Mining Waste Facilities: Baia Mare Area, North West Part of Romania	<u>Oana-Cristina Modoi</u> , Zoltán Török, Alexandru Ozunu, Carmen Roba
14.30-14.45	Extracellular Electron Carriers Support Anaerobic HET-PAH Oxidation using Poorly Soluble Tea	<u>Kerstin E. Scherr</u> , Marion Sumetzberger-Hasinger, Manfred Nahold, Tserennyam Lundaa, Wolfgang Lantschbauer. Andreas P. Loibner
14.45-15.00	The Combustion of Fossil Fuels and that O ₂ Dropping Faster than CO ₂ Rising is not Mystery	<u>Remenyi Karoly</u>
15.00-15.15	Biotrickling Filtration of Air Streams Containing highly Water Soluble Compounds: A Comparison between Absorption and Biological Abatement Contributions	Sabrina Copelli, <u>Vincenzo Torretta</u> , Massimo Raboni, Carlo Sala Cattaneo, Marco Derudi, Giuseppe Nano
15.15-15.30		
15.30-16.00	Coffee Break and Poster Session Halls “Kuppelsaal” and “Foyer 3.OG”	





16.00-17.00	Parallel Sessions 2.6 in Hall “Boecksaal” and 3.4 in Hall “HS14A”
17.00-17.30	Closing Ceremony , Hall “Festsaal”
20.00	Conference Dinner “Dinner Reception by the Mayor and Governor of the City of Vienna”

Friday, 20 September 2013

Parallel Session 2.3. Section Environmental Biotechnology

Friday 20.09.2013, 9.00 – 10.30, Hall “Boecksaal”

Chairpersons: Prof.dr. Maria Gavrilescu and Prof.dr. Fabio Fava

Time	Title	Authors
9:00-9:15	The Impacts of Carbon Catabolite Repression on SOS Response in <i>Acinetobacter Baylyi</i> ADP1	<u>Bo Jiang</u> , Yizhi Song, Dayi Zhang, Wei E Huang, Guanghe Li
9:15-9:30	Phosphorous-Type Dependent Efficiency of Arbuscular Mycorrhizal Consortia in Marigolds (<i>Tagetes patula L.</i>)	Brigitta Schmidt, Adrian Unc, Sorin Gaşpar and <u>Radu Şumălan</u>
9:30-9:45	Biosorption of Amaranth Dye from Aqueous Solution by the Root, Leaf, Stem and Entire Plant of <i>Eichhornia crassipes</i>	Imelda Guerrero-Coronilla, Liliana Morales-Barrera, Thelma Lilia Villegas-Garrido, Eliseo Cristiani-Urbina
9:45-10:00	Development of a Biofilm On-Site Process for the Aerobic Cometabolic Bioremediation of a Groundwater Contaminated by Trichloroethylene and 1,1,2,2-Tetrachloroethane	Dario Frascari, Giacomo Bucchi, Francesco Doria, Antonella Rosato, Nasrin Tavanaie, Roberta Ciavarelli, Davide Pinelli, Serena Fraraccio, Giulio Zanaroli, <u>Fabio Fava</u>
10:00-10:15	Biosorption of Acid Dyes on Dry Biomass of <i>Chunningamella Elegans</i>	Maria Elena Russo, Milena Giaccio, Francesco Di Natale, Giuseppe Olivieri, Giovanna Cristina Varese, <u>Antonio Marzocchella</u>
10:15-10:30	<i>Scenedesmus vacuolatus</i> Cultures for Combined Biodiesel Production and Wastewater Treatment	<u>Immacolata Gargano</u> , Giuseppe Olivieri, Pasquale Chiaiese, Raffaele Marotta, Antonino Pollio
10:30-11:00	Coffee Break and Poster Session Halls “Kuppelsaal” and “Foyer 3.OG”	



Parallel Session 2.4. Section Environmental Biotechnology

Friday 20.09.2013, 11.00 – 12.30, Hall “Boecklsaal”

Chairpersons: Prof.dr. Philippe Corvini and Prof.dr. Nicolas Kalogerakis

Time	Presentation	Authors
11:00-11:15	Aerobic Granules in a Sequencing Batch Bioreactor under Fluoroquinolone Shock Loadings	<u>Catarina L. Amorim</u> , Alexandra S. Maia, Raquel B.R. Mesquita, António O.S.S. Rangel, Maria Elizabeth Tiritan and Paula M. L. Castro
11:15-11:30	Response Surface Optimization of Experimental Conditions for Carbamazepine Biodegradation by <i>Streptomyces Miug 4.89</i>	Claudia Popa, <u>Lidia Favier*</u> , Gabriela Bahrim, Abdeltif Amrane
11:30-11:45	Biodegradation of the Herbicide Linuron in a Plug-Flow Packed-Bed Biofilm Reactor Equipped with Top Aeration Modules	<u>Erick Marrón-Montiel</u> , Nora Ruiz-Ordaz, Juvencio Galíndez-Mayer, Saúl Gonzalez-Cuna
11:45-12:00	Micropollutants in Municipal Waters: Effective New Treatment by Means of Fungal Laccases	<u>Federica Spina</u> , Chiara Cordero, Valeria Tigini, Tiziana Schilirò, Carlo Bicchi, Giovanna Cristina Varese
12:00-12:15	Innovative Eco-friendly Wastewater Treatment Technology for Improved Bioremediation	<u>Tatiana Pantsyrnaya</u> , Elena Krasnoslobodtseva, Anastasia Reutova, Olga Shchelkanova
12:15-12:30	Dual Purpose System that Treat Anaerobic Effluents from Pig Waste and Produce Neochloris Oleoabundans as Lipid Rich Biomass	<u>Eugenia J. Olguín</u> , Omar S. Castillo, Anilú Mendoza, Karla Tapia, Erik González-Portela and Victor J. Hernández-Landa
12:30-14.00	Lunch and Poster Session Halls “Kuppelsaal” and “Foyer 3.OG”	

Parallel session 2.5. Meeting of the Experts Group of the Environmental Biotechnology section of the European Federation of Biotechnology (EFB)

Friday 20.09.2013, 14.00-15.30, Hall “Boecklsaal”

Participation is restricted to the Experts Group members

Parallel Session 2.6. Open EFB Session

Friday 20.09.2013, 16.00-17.00, Hall “Boecklsaal”

Chairperson: Prof.Fabio Fava

General Assembly of the Environmental Biotechnology section of the European Federation of Biotechnology (EFB) – Open for all Conference Participants

17.00-17.30	Closing Ceremony , Hall “Festsaal”
20.00	Conference Dinner “Dinner Reception by the Mayor and Governor of the City of Vienna”

Friday, 20 September 2013

Parallel Session 3.1. Section Modeling, Simulation and Optimization

Friday 20.09.2013, 9.00 – 10.30, Hall “HS14A”

Chairpersons: Prof.dr. Krzysztof Urbaniec and Dr. George Barjoveanu

Time	Presentation	Authors
9:00-9:15	Experimental and Theoretical Analyses on the Thermal Efficiency of a Solar Air Collector	Paraschiv Lizica Simona, <u>Paraschiv Spiru</u> , Ion V. Ion
9:15-9:30	Simulation of a Membrane Separation Process for the Purification of Hydrogen Produced by Fermentation Based on Small Scale Pilot Plant Results	<u>Tino Lassmann</u> , Anton Friedl
9:30-9:45	Organic Electronics Energy Systems - Multilayer Film Processing, Morphology and Modeling Aspects Of OPV and OLED	<u>S. Raupp</u> , K. Peters, L. Wengeler, M. Schmitt, F. Buss, P. Scharfer, W. Schabel
9:45-10:00	SUDEST - an Innovative Approach to Sustainable Decision Making	<u>Barnim Jeschke</u>
10:00-10:15	Optimization of Struvite Precipitation as Landfill Leachate Pretreatments by using RSM	<u>Mehmet Emin Argun</u> , Huseyin Saglam, Selim Dogan, Ahmet Aygun and Ertugrul Esmeray
10:15-10:30	Optimization of Etringite Precipitation as Landfill Leachate Pretreatments by using RSM	Ahmet Aygun, <u>Selim Dogan</u> , Huseyin Saglam and Mehmet Emin Argun
10:30-11.00	Coffee Break and Poster Session Halls “Kuppelsaal” and “Foyer 3.OG”	

Parallel Session 3.2. Section Modeling, Simulation and Optimization

Friday 20.09.2013, 11.00 – 12.30, Hall “HS14A”

Chairpersons: Prof.dr. Antonio Marzochella and Dr. Walter Wukovits

Time	Presentation	Authors
11:00-11:15	A Method for Estimating Carbon Monoxide Emissions from Road Traffic in Urban Areas through Transport Modeling	Gabriela Mitran and <u>Sorin Ilie</u>
11:15-11:30	Impact of the Overland Flow and Topography to Groundwater in the Experimental and Representative Ciurea-Tinoasa Hydrographical Basin	Ioan Crăciun, <u>Marius Telisca</u> , Maria-Cristina Timofte, Ionut-Claudiu Pricop
11:30-11:45	Modelling and Optimization of CO ₂ Absorption in Pneumatic Contactors using Artificial Neural Networks Developed with Clonal Selection based Algorithm	Petronela Cozma, Ioan Mămăligă, Elena Niculina Drăgoi, Silvia Curteanu, Walter Wukovits, Anton Friedl, <u>Maria Gavrilesu</u>



11:45-12:00	Real-time Visualization of Four-Dimensional Multivariate Meteorological Phenomena	<u>Marius Gavrilescu</u>
12:00-12:15		
12:15-12:30		
12:30-14:00	Lunch and Poster Session Halls “Kuppelsaal” and “Foyer 3.OG”	

Parallel Session 3.3. Section Sustainable Processes and Production

Friday 20.09.2013, 14.00 – 15.30 Hall “HS14A”

Chairpersons: Prof.dr. Dan Gavrilescu and Dr. Bettina Mihalyi

Time	Presentation	Authors
14.00-14.15	Biomass Availability and Characterization in Trento Region	<u>Tofanica Bogdan Marian</u>
14.15-14.30	Efficient Combined Biochar and Energy Production through High Pressure Biomass Particle Volatiles Combustion in Novel Rotary Piston Engine	<u>Johannes Schneeberger</u>
14.30-14.45	Pervaporation: study on different membranes to separate Butanol from aqueous solutions	<u>Antonia Rom</u> , Diana Esteve Gimeno, Anton Friedl
14.45-15.00	HYTIME - Low Temperature Hydrogen Production from 2nd Generation Biomass	<u>Walter Wukovits</u> , Adela Drijo, Anton Friedl, Pieterneel Claassen
15.00-15.15	Sweet Sorghum for Bioethanol and Biogas Production	<u>F. Weinwurm</u> , A. Drijo, F.Theuretzbacher, A. Bauer, A. Friedl
15.15-15.30	The Development of Sustainable Processes and Production Issues in the Russian Federation	Boris Reutov, Raif Valisov, <u>Tatiana Pantsymaya</u>
15.30-16.00	Coffee break and Poster Session Halls “Kuppelsaal” and “Foyer 3.OG”	

Parallel Session 3.4. Section Sustainable Processes and Production

Friday 20.09.2013, 16.00 – 17.00 Hall “HS14A”

Chairpersons: Assoc. Prof.dr. Jolanta Dvarioniene and Dr. Adela Buburuzan

Time	Presentation	Authors
16:00-16:15	Solubility of a Lignin prepared by an Organosolv Procedure	<u>Felix Weinwurm</u> , Tania Silva, Anton Friedl
16:15-16:30	Biomass waste as raw material for hydrogen fermentation - a review	Rob R. Bakker, Fabio Sagnelli and <u>Krzysztof Urbaniec</u>
16:30-16:45	Application of a Compact Trickle-Bed Bioreactor to the Biodegradation of VOCs from the Ventillation Air in a Copper-Ore Mine	<u>Damian Kasperczyk</u> and Krzysztof Urbaniec





Time	Presentation	Authors
16:45-17:00	Process Development for the Production of Natural Dye Concentrates for the Textile Industry	<u>Bettina Mihalyi</u> , D. Gómez Verbel
17.00-17.30	Closing Ceremony , Hall "Festsaal"	
20.00	Conference Dinner "Dinner Reception by the Mayor and Governor of the City of Vienna"	

Closing Ceremony

Friday 20.09.2013, Hall "Festsaal"

Hours	Activity and Location
	CLOSING CEREMONY
	Prof.dr. Carmen Teodosiu Vice Rector of Research, <i>Gheorghe Asachi</i> Technical University of Iasi ICEEM07 Chairperson
	Prof.dr. Anton Friedl Vienna University of Technology ICEEM07 Chairperson
17:00-17:30	Prof.dr. Fabio Fava Guest editor for the ICEEM07 special issue of <i>New biotechnology</i>
	Prof.dr. Maria Gavrilescu Managing Editor, <i>Environmental Engineering and Management Journal</i>
	Prof.dr. Antonio Marzochella Guest editor for the ICEEM07 special issue of <i>International Journal of Nonlinear Sciences and Numerical Simulations</i>
	Conference Dinner
20.00	Dinner Reception by the Mayor and Governor of the City of Vienna Heurigenrestaurant "Fuhrgassl-Huber" Neustift am Walde 68, 1190 Vienna



POSTER SESSIONS

Posters may be displayed continuously throughout the ICEEM07 duration in the halls “Kuppelsaal” and “Foyer 3.OG”.

Organizers strongly encourage poster discussions during coffee and lunch breaks, as well as during the “Poster Party” on Thursday 19 September 2013 starting at 17.30.

Poster panels will be identified with the same number assigned to the poster in the Conference Program. Posters will be mounted on and removed from the supporting panels by the authors. Mounting on will be possible with the start of registration. Materials will be available at the conference desk. Posters should be removed no later than Friday afternoon, by 18:00.

Organizers strongly encourage poster discussions during coffee and lunch breaks, as well as during the “Poster Party” on Thursday 19 September 2013 starting at 17.30. Poster authors are requested to be at their poster during “Poster Party”.

Section Environmental Pollution and Monitoring

Poster Code	Title	Authors
S1P1	In-Situ Analysis of Heavy Metals Concentration in Two Water Courses near Bacau City, Romania	Maria-Ema Faciu, Iuliana Lazar, Irina Ifrim, Camelia Ureche, <u>Gabriel Lazar</u>
S1P2	Determination of Volatile Components from Shale Fuel Oil During Handling	Ada Traumann, Piia Tint, Oliver Järvik, Vahur Oja
S1P3	Polycyclic Aromatic Hydrocarbons in Vegetables Grown in Urban and Rural Areas	<u>Alina Soceanu</u> , Simona Dobrinias, Gabriela Stanciu, Viorica Popescu
S1P4	Identification of Fluorescence Fingerprints using PARAFAC Analysis	Elfrida M. Carstea, <u>Gabriela Pavelescu</u> , Roxana Savastru, Marina Tautan
S1P5	Spatial Distribution of Air Flow and CO ₂ Concentration in a Naturally Ventilated Dairy Building	M. Fiedler, <u>C. K. Saha</u> , C. Ammon, T. <u>Amon</u> , W. Berg, C. Loebstin, P. Sanftleben
S1P6	Simultaneous Arsenic (III) and Lead (II) Detection from Aqueous Solution by Anodic Stripping Square-Wave Voltammetry	Anamaria Baciuc, <u>Aniela Pop</u> , Florica Manea, Joop Schoonman
S1P7	Effects of Nitrogen Deposition on Nitrogen Cycling in Grassland Ecosystems	<u>Postolache Carmen</u> , Botez Florina
S1P8	Assessment of Heavy Metal in Different Types of Pork Products in Romanian Market	<u>Gabriel Vasile Hoha</u> , Elena Costăchescu, Ana Leahu, Benone Păsărin
S1P9	Effect of Aluminum Toxicity on the Symbiosis of Arbuscular Mycorrhizal Fungi and Roots	<u>Yazmín Carreón Abud</u> , Miguel Martínez Trujillo, Mayra Gavito Pardo

Poster Code	Title	Authors
S1P10	Total and Dissolved Metals Occurrence in Municipal Wastewater Treatment Plants Effluents	<u>Elisabeta Chirila, Camelia Drăghici, Adriana Puhacel</u>
S1P11	Phonic Pollution and Strategic Acoustic Mapping with Geographic Information Systems	<u>Carmen Grecea and Anca Maria Moscovici</u>
S1P12	Environmental Impact on Human Health of Dust and Chemicals from Modern Technologies	<u>Karin Reinhold, Ada Traumann, Piia Tint</u>
S1P13	Tools for Assessing Danube Delta Systems with Macroinvertebrates	<u>Catalina Stoica, Elena Stanescu, Stefania Gheorghe, Daniela Niculescu, Irina Lucaciu</u>
S1P14	Detection of Soot Particles using a Resistive Sensor Based on Thermophoresis	<u>Doina Lutic, Igor Cretescu</u>
S1P15	Challenging Analytical Task: Analysis and Monitoring of Arsenic Species in Water	<u>Vladana Rajakovic-Ognjanovic, Nuri Ben Issa, Dragana Zivojinovic, Dana Markovic, Branislava Jovanovic, Ljubinka Rajakovic</u>
S1P16	Heavy Metals Bioaccumulation in Living Organisms from Romanian Sector of Black Sea	<u>Oana Jitar, Carmen Teodosiu, Andra Oros, Gabriel Plavan, Mircea Nicoara</u>
S1P17	Air Quality Monitoring in the Context of Sibiu's Sustainable Integrated Development	<u>Iagaru Romulus, Domnica Delia Monica, Ciubotaru Gheorghe, Iagaru Pompilica</u>

Section Water Supply and Wastewater Treatment

Poster Code	Title	Authors
S2P1	Silica Impregnated with Cyphos II-101 For Cs ⁺ Adsorption	<u>Adina Negrea, Lavinia Lupa, Mihaela Ciopec, Petru Negrea</u>
S2P2	Comparison of Photocatalysis Treatment Effectiveness on Sewage and Industrial Wastewaters	<u>Gabriela Pavelescu, Ceyda Uyguner-Demirel, Miray Bekbolet, Cristian Ioja, Luminita Ghervase</u>
S2P3	Steady-State Inhibition Model for the Biodegradation of Sulfonated Amines in a Packed Bed Reactor	<u>Cleotilde Juárez-Ramírez, Oswaldo Ramos-Monroy, Nora Ruiz-Ordaz, Héctor Poggi-Varaldo, Juvencio Galíndez Mayer</u>
S2P4	Removal of 4-Chlorophenol from Wastewaters by Catalytic Wet Hydrogen Peroxide Oxidation Using Al-Cu PILC	<u>Daniela Arsene, Carmen Teodosiu, Andreea Chelba, Petru Apopei</u>



Poster Code	Title	Authors
S2P5	Degradation of Loperamide Hydrochloride in Water by UV/H ₂ O ₂ Process	<u>Jelena Mitrović</u> , Miljana Radović, Miloš Kostić, Milica Petrović, Goran Nikolić, Danijela Bojić, Aleksandar Bojić
S2P6	FTIR analysis and application of new ion exchange resins for permanent hard water softening	<u>Liliana Lazăr</u> [*] , Bogdan Bandrabur, Ramona-Elena Tataru-Fărnuș, Mioara Drobotă, Laura Bulgariu, Gheorghe Gutt
S2P7	Electrochemical Treatment of the Acid Mine Drainage Pretreated with CaO	<u>Visnja Orescanin</u> , Robert Kollar, Karlo Nad, Nenad Mikulic, Gordana Medunic
S2P8	The Acid Dealuminated Clinoptilolite Used in Wastewater Purification. I. Removing of Azomethines	Claudia Cobzaru and <u>Corina Cernătescu</u>
S2P9	The Role Aquatic Plants and Microorganism in Domestic Wastewater Treatment	Nguyen Thi Loan, <u>Nguyen Minh Phuong</u> , Nguyen Thi Nguyet Anh
S2P10	Performance evaluation of anionic polymer-cationic surfactant complex coagulants in wastewater treatment	<u>Constantin Bobirică</u> , Gabriel Dabija, Liliana Bobirică, Mihaela Mihai, Cristina Costache
S2P11	Optimizing the Nanofiltration Operating Conditions as Post-treatment Step in the Groundwater Denitrification Process	<u>Abdel Halim Fuqaha</u> , Anton Friedl
S2P12	Electrochemical degradation of pentachlorophenol from water at undoped/silver-doped TiO ₂ -modified zeolite-carbon nanofibers composite electrodes	Agnes Jakab, Aniela Pop, Corina Orha, Florica Manea, <u>Rodica Pode</u>
S2P13	Reactor Prototype Used for the Pesticides Residues Degradation by Photoelectrocatalysis	Teodora Craus, Arcadie Sobetki, Marius Stamate, A. Arcadii Sobetki, Marius Nechita, Iuliana Lazar, <u>Gabriel Lazar</u>
S2P14	Tetracycline Degradation by Anodic Oxidation with Boron Doped Diamond anode	<u>Carmen Ionela Brînzilă</u> , Maria Jose Pacheco, Lurdes Ciríaco, Ana Lopes, Romeo Cristian Ciobanu
S2P15	Remediation of Imidacloprid from Contaminated Kaolinite by Electroremediation-Fenton Technology	Elvira Bocos, Jose Gómez, Marta Pazos and <u>M^a Angeles Sanromán</u>
S2P16	Nitrate Removal from Drinking Water by a Membrane Bioreactor	Aleksandra Petrovič and Marjana Simonič



Section Environmental Friendly Materials

Poster Code	Title	Authors
S3P1	Research on New Approaches to Design of Plastics Products Required for Sustainable Development	<u>Corabieru Petrica</u> , Corabieru Anisoara, Vasilescu Dan Dragos
S3P2	Pure hydrogen production in the presence of nanogold catalysts on Pr-doped ceria	<u>Petya Petrova</u> , Tatyana Tabakova, Ivan Ivanov, Giuseppe Pantaleo, Magali Boutonnet, Anna Maria Venezia, Lyuba Ilieva
S3P3	Comparative breakthrough behavior of toluene vapours on hypercrosslinked polymeric resins and granular activated carbon systems	<u>Adela Marilena Buburuzan</u>
S3P4	Catalytic activity and catalyst characterization of titania-supported manganese oxide catalyst in ozone decomposition	<u>T. Batakliiev</u> , V. Georgiev, S. Rakovsky
S3P5	Microbial Phosphorous Mobilization from Bone Meal for Agricultural Applications	Katalin Perei, Szilvia Zsiros, Júlia Baán, <u>Ágnes Kis</u> , László Erdei, Kornél L. Kovács and Gábor Ráhely
S3P6	Metal oxide catalysts for ozone degradation	<u>Vladimir Georgiev</u> , Katya Milenova, Ivalina Avramova, Penko Nikolov, Nikoleta Kasabova

Section Sustainable Processes and Production

Poster Code	Title	Authors
S4P1	Electrochemical Properties of Fluorinated Hydrazino-Pyrazoles in [BMIM ⁺][BF ₄ ⁻] Ionic Liquid	<u>Liviu-Virgil Costea</u> , Günter Fafilek and Hermann Kronberger
S4P2	CO ₂ Absorptions with an Aqueous Mixture of Potassium- Piperazine	<u>Clemens Moser</u> , Anton Friedl
S4P3	Comparison between a Retrofitted and a Newly-Designed Oxycombustion Boiler Intended to be used in Carbon Dioxide Sequestration	<u>Bogdan Horbaniuc</u> and Gheorghe Dumitraşcu
S4P4		

Section Modeling, Simulation and Optimization

No	Title	Authors
S5P1	Statistical Modeling and Global Sensitivity Analysis of a Homogeneous Sono-Fenton Process Applied for Aqueous Effluents Treatment	<u>Daniela Căilean</u> , Florina Ungureanu, Carmen Teodosiu
S5P2	Evaluation of Control Strategies Applied on a Wastewater Treatment Process with Activated Sludge	<u>Daniela Mioara Carp</u> , Ciprian Vlad, Marian Barbu

No	Title	Authors
S5P3	Online Monitoring Influence of Environmental Temperature and Humidity on the Body Confort	<u>Marius Valerian Paulet</u> , Oana Maria Neacsu, Alexandru Salceanu
S5P4	Technical Solution to Reduce Soil Erosion Produced by Tazlau River in Tarata Area Perimeter, Romania	<u>Stelian Cartacuzencu</u> , Iuliana Lazar, Valentin Nedeff, Gabriel Lazar
S5P5	Numerical Simulations and Research of Heat Transfer in Pneumatic Pulsator	<u>Jacek Wernik</u> and Krzysztof J. Wolosz
S5P6	Modelling Environmental Management Processes Using an Effective Software Tool	<u>Bogdan Fleacă</u> , Elena Fleacă, Mihai Tutunaru
S5P7	The Influence of Thermal Resistance of Condenser Fouling on Power Generated by a Condensation-Type Steam Turbine	<u>Sławomir Alabrudziński</u> , Mariusz Markowski, Krzysztof Urbaniec, Marian Trafczyński
S5P8	Study of the Electrooxidation of Glycerol on Platinum Electrodes by Cyclic Voltammetry and Multiple Pulse Amperometry	<u>Juan Carlos Beltrán Prieto</u> , Roman Slavík, Karel Kolomazník
S5P9	Three-Dimensional Flow Optimization of a Nozzle with a Continuous Adjoint	<u>Krzysztof J. Wolosz</u> , Jacek Wernik
S5P10	Process Modelling of Dimethyl Ether (DME) Production from Biogas (Direct DME Synthesis from Syngas)	<u>Kathrin Zörweg</u> , Anton Friedl
S5P11	Simulation of Carbon Dioxide Removal via the Absorption System K ₂ CO ₃ -Piperazine	<u>Muazzam Arshad</u> , Walter Wukovits, Anton Friedl
S5P12	Selected Aspects of the Linear, Material-energy Model of Passenger Car Production Stage	<u>J. Elias</u> , M. Mroziak, A. Terelak-Tymczyna
S5P13	Integration of an Organosolv Process Applying Pinch and Exergy Analysis	<u>A. Drljo</u> , A. Modarresi, F. Weinwurm, W. Wukovits, A. Friedl
S5P14	CFD Modeling of a Linear Heat Source	<u>Raluca Teodosiu</u> , Lidia Niculiță, Cătălin Teodosiu
S5P15	Biohydrogen via Microalgae through Thermocatalytic Methane Cracking Process - Modeling and Simulation	<u>Carioca, J.O.B.</u> ; Abreu, C.; Macambira, F. S.; Souza, E. G.; Gonzalez ; N.
S5P16	Experimental Analysis and Mathematical Prediction of Cd(II) Removal by Biosorption using Artificial Neural Network and Genetic Algorithm	Raluca Maria Hlihor, <u>Mariana Diaconu</u> , Florin Leon, Silvia Curteanu, Maria Gavrilescu

Section Environmental Biotechnology

Code	Title	Authors
S6P1	Production of Succinic Acid in Basket and Mobile Bed Bioreactors – Green Alternative to the Chemical Technology	<u>Dan Cașcaval</u> , Lenuta Kloetzer, Maria Filibiu, Marius Turnea, Anca-Irina Galaction



Code	Title	Authors
S6P2	Influence of External and Internal Diffusion on Lipids Biodegradation in a Bioreactor with Mobile Bed of Immobilized Bacillus Spp. Cells	<u>Anca Irina Galaction</u> , Alexandra Cristina Blaga, Ramona Mihaela Matran, Marius Turnea, Dan Cașcaval
S6P3	Influence of some Operating Parameters on Biosurfactant Production by Indigenous <i>Pseudomonas Aeruginosa</i> Strain	<u>Djaber Tazdaït</u> , Rym Salah, Souhila Mezoughem, Rabah Bakour
S6P4	Antiparasite Activity of Shrimp Waste	<u>Rym Salah</u> , D. Tazdaït, Z. Harrat, N. Eddaikra, H. Grib, N. Abdi, H. Lounici, N. Mameri
S6P5	Virtual Instrument for Assisting Artificial Reproduction of Endangered Wild Felines	Pavli Constantin, Tănase Irina Oana, <u>Trandabăt</u> <u>Alexandru Florentin</u>
S6P6	Removal of Hexavalent and Total Chromium from Aqueous Solutions by Plum Tree Bark	Perla Vianey López-Nuñez, Erick Aranda-García, María del Carmen Cristiani-Urbina, Liliana Morales-Barrera, <u>Eliseo Cristiani-Urbina</u>
S6P7	Biosorption of Zinc(II) on Rapeseed Waste: Equilibrium Studies and Thermogravimetric Investigations	<u>Carmen Paduraru</u> , Lavinia Tofan, Ioan Bunia, Nita Tudorachi, Carmen Teodosiu, Ovidiu Toma
S6P8	Biotechnological Approach to Remove of Lipid Rich Wastes from Wastewater	<u>Krisztián Laczi</u> , Ágnes Kis, Andrea Hajdú, Gábor Rákhely and Katalin Perei
S6P9	Bioremediation of Oily Wastes by Rhodococci	Agnes Kis, Roland Tengölics, Krisztián Laczi, Szilvia Zsíros, Andrea Hajdú, Katalin Perei and <u>Gábor</u> <u>Rákhely</u>
S6P10	Effect of Mineral Nutrients on the Uptake of Cr(VI), by Maize Plants (<i>Zea mays</i>)	<u>Miguel Martínez Trujillo</u> and Yazmín Carreón Abud
S6P11	Selection and evaluation of a microbial community able to degrade a mixture of polycyclic aromatic hydrocarbons	Gamiño Hernández Germán, Jiménez Silva Vanessa, Ruiz Ordaz Nora, Galíndez Mayer Juvencio, Rodríguez Casasola Felipe Neri, <u>Salmerón Alcocer Angélica</u>



Section Environmental Integrated Management

Code	Title	Authors
S7P1	Waste Gas Recovery through Combustion in an Originally Designed Plant	Aurel Gaba, Stefania Iordache, Radu Gaba, Constantin-Marius Vladulescu
S7P2	Life Cycle Assessment of Waste Management and Recycled Paper Systems	Cristina Ghinea, Madalina Petraru, <u>Isabela Simion</u> , Dana Sobariu, Hans Th. A Bressers, Maria Gavrilescu
S7P3	Assessment of Environmental Impacts of Municipal Solid Waste Management Strategies	<u>Ana-Maria Schiopu</u> , <u>Ion Apostol</u> , Maria Gavrilescu
S7P4	Sustainable Use of Recovered Paper - Romanian Paper Industry	<u>Dan Gavrilescu</u> , Adrian Cătălin Puițel

Section Waste Management for Resources and Energy Recovery

Code	Title	Authors
S8P1	Research Regarding the Relationship Between the Factors that Characterized the Environmental Orientation of Organizations and the Implementation Quality of EMS	<u>Ionuț Viorel Herghiligiu</u> , Mihaela Luminița Lupu, Christian Robledo, Abdessamad Kobi
S8P2	Sustainability of Romanian Consumption from the Ecological, Carbon and Water Footprint Perspectives	Simona Andreea Ene (Popa), Carmen Teodosiu
S8P3	Grouping Firms Attending to their Environmental Orientation: An Empirical Study of the Spanish Automotive Industry	Payá-Martínez, A., Segarra-Oña, M., Peiró-Signes, A., Mondéjar-Jiménez, J., Sáez-Martínez, F. J.
S8P4	Identification and Characterization of Marinas in Vojvodina, Serbia	Natasa Zugic-Drakulic, Hristina Stevanovic-Carapina, and <u>Andjelka Mihajlov</u>
S8P5	Legal Foundation for Environmental Safety in the Field of Biotechnology	Julia A. Petushkova
S8P7	Benchmarking_A solution Strategy for the Public Sector	Marinela Gheres, <u>Marcel Pop</u> , Teodor Rusu, Ioan Oroian, Alexandra Gogozan
S8P8	Sustainable Development of the Rural Area: A Challenge for Romania	<u>Burja Camelia</u> and Burja Vasile
S8P9	New Technologies-Between Business and Environmental Protection in Romania	<u>Eugenia Grecu</u>
S8P10	The Rosia Montana - Gold Corporation Project in the Opinion of Environmental Engineering Students - Case Study	<u>Carmen Catalina Ioan</u> and Maria Ileana Carcea

LIST OF PARTICIPANTS

A		
Spiros Agathos	Université Catholique de Louvain - Earth & Life Institute	Spiros.Agathos@uclouvain.be
Deifilia Ahuatzi-Chacón	Instituto Politécnico Nacional, MEXICO	dahuatzi@hotmail.com
Slawomir Alabrudzins	Warsaw University of Technology, POLAND	salabrudzinski@pw.plock.pl
Rashed Alkahtani	Saudi electricity company, SAUDI ARABIA	rmqahtani2@se.com.sa
Thomas Amon	Leibniz Institute for Agricultural Engineering, GERMANY	tamon@atb-potsdam.de
Catarina Amorim	CBQF/ESB - Universidade Católica Portuguesa, PORTUGAL	camorim@porto.ucp.pt
Ion Apostol	S.C. Salubris S.A., ROMANIA	ion.apostol@salubris.ro
Mehmet Emin Argun	Selcuk University, TURKEY	argun@selcuk.edu.tr
Daniela Arsene	Gheorghe Asachi Technical University of Iasi, ROMANIA	daniela.arsene@ch.tuiasi.ro
Muazzam Arshad	Institute of Chemical Engineering, AUSTRIA	muazzam.arshad@tuwien.ac.at
Adisa Azapagic	The University of Manchester, UNITED KINGDOM	adisa.azapagic@manchester.ac.uk
B		
Mioara Daniela Barbu Carp	Dunarea de Jos University of Galati, ROMANIA	daniela.carp@ugal.ro
George Barjoveanu	Gheorghe Asachi Technical University of Iasi, ROMANIA	gb@ch.tuiasi.ro
Zsolt Barta	Budapest University of Technology and Economics, HUNGARY	zsolt_barta@mail.bme.hu
Todor Batakliiev	Bulgarian Academy of Sciences, BULGARIA	todor@ic.bas.bg
Juan Carlos Beltrán Prieto	Tomas Bata University in Zlín, CZECH REPUBLIC	prieto@fai.utb.cz
Lorenzo Bertin	University of Bologna, ITALY	lorenzo.bertin@unibo.it
Constantin Bobirica	Politehnica University of Bucharest, ROMANIA	c_bobirica@yahoo.com
Elvira Bocos	University of Vigo, SPAIN	ebocos@uvigo.es
Sorin Borza	Lucian Blaga University of Sibiu, ROMANIA	sorin.borza@gmail.com
Iuliana Gabriela Breaban	University Al. I. CUZA of IASI, ROMANIA	iulianab2001@yahoo.com
Han Brezet	TU Delft, NETHERLANDS	j.c.brezet@tudelft.nl
Carmen Ionela Brinzila	Gheorghe Asachi Technical University of Iasi, ROMANIA	carmenbrinzila@gmail.com
Adela Marilena Buburuzan	Gheorghe Asachi Technical University from Iasi, ROMANIA	adelahaleta@ch.tuiasi.ro
Camelia Burja	1 Decembrie 1918 University, Alba Iulia ROMANIA	cameliaburja@yahoo.com
C		
Daniela Cailean	Gheorghe Asachi Technical University of Iasi, ROMANIA	dcaile@ch.tuiasi.ro



Jose Osvaldo Beserra Carioca	Federal University of Ceara, PORTUGAL	jkriok@gmail.com
Yazmin Carreon –Abud	Universidad Michoacana, UMS-300101-KE8, MEXICO	ycabud@gmail.com
Elfrida Carstea	National Institute of R&D for Optoelectronics INOE 2000, ROMANIA	frida@inoe.inoe.ro
Stelian Cartacuzencu	Vasile Alecsandri University of Bacau, ROMANIA	glazar@ub.ro
Dan Cascaval	Gheorghe Asachi Technical University of Iasi, ROMANIA	dancasca@yahoo.com
Stefano Castiglione	University of Salerno, ITALY	scastiglione@unisa.it
Corina Cernatescu	Gheorghe Asachi Technical University of Iasi, ROMANIA	ccernatescu@yahoo.com
Elisabeta Chirila	Ovidius University of Constanta, ROMANIA	echirila@yahoo.com
Petrica Corabieru	SC Procomimpex SRL Iasi, ROMANIA	pcorabieru@yahoo.com
Philippe Corvini	FHNW, SWITZERLAND	philippe.corvini@fhnw.ch
Carmelina Cosmi	CNR-IMAA, ITALY	carmelina.cosmi@imaa.cnr.it
Filomena Costa	University of Minho, PORTUGAL	filomenacpcosta@ceb.uminho.pt
Liviu-Virgil Costea	Politehnica University of Timisoara, ROMANIA	livius.costea@gmail.com
Eliseo Cristiani-Urbina	Instituto Politécnico Nacional, MEXICO	ecristianiu@yahoo.com.mx
D		
Mariana Diaconu	Gheorghe Asachi Technical University of Iasi, ROMANIA	mardiac13@yahoo.com
Selim Dogan	Selcuk University, TURKEY	selim2002@hotmail.com
Adela Drljo	Vienna University of Technology, AUSTRIA	adrljo@mail.tuwien.ac.at
Jolanta Dvarioniene	Kaunas University of Technology, LITHUANIA	jolanta.dvarioniene@ktu.lt
E		
Jacek Eliaz	West Pomeranian University of Technology in Szczecin, POLAND	jacek.eliaz@zut.edu.pl
F		
Ema Faciu	Vasile Alecsandri University of Bacau, ROMANIA	glazar@ub.ro
Fabio Fava	University of Bologna, ITALY	fabio.fava@unibo.it
Lidia Favier	Ecole Nationale Supérieure de Chimie de Rennes, France	lidia.favier@ensc-rennes.fr
Bogdan Fleaca	University Politehnica of Bucharest, ROMANIA	bogdan.fleaca@upb.ro
Anton Friedl	Vienna University of Technology, AUSTRIA	anton.friedl@tuwien.ac.at
Abdel Halim Fuqaha	Vienna University of Technology, AUSTRIA	afuqaha@mail.zserv.tuwien.ac.at
G		
Anca Irina Galaction	Gheorghe Asachi Technical University of Iasi, ROMANIA	dancasca@yahoo.com
Immacolata Gargano	Università degli studi di Napoli Federico II, ITALY	immacolata.gargano@unina.





Dan-Alexandru Gavrilesco	Gheorghe Asachi Technical University of Iasi, ROMANIA	gda@tuiasi.ro
Maria Gavrilesco	Gheorghe Asachi Technical University of Iasi, ROMANIA	mgav_ro@yahoo.com
Marius Gavrilesco	Gheorghe Asachi Technical University of Iasi, ROMANIA	mariusgav42@yahoo.com
Vladimir Georgiev	Bulgarian Academy of Sciences, BULGARIA	vladofe@gmail.com
Eugenia Greco	Politehnica University of Timisoara, ROMANIA	eugeniagreco@yahoo.com eugenia.greco@gmail.com
Gabor Gulyas	University of Pannonia, HUNGARY	g.gulyas.up@gmail.com
H		
Abdussalam Hanashi	Mellitah oil and gas, Tripoli, LIBYA	abd_usallam@yahoo.com
Ionut Viorel Herghiligiu	Gheorghe Asachi Technical University of Iasi, ROMANIA	herghiligiunionut@gmail.com
Raluca Maria Hlihor	Gheorghe Asachi Technical University of Iasi, ROMANIA	rallu_ca@yahoo.com
Gabriel Vasile Hoha	University of Agricultural Sciences and Veterinary Medicine Iasi, ROMANIA	gabihoha@yahoo.com
Bogdan Horbaniuc	Gheorghe Asachi Technical University of Iasi, ROMANIA	bogdan_horbaniuc@yahoo.com
I		
Romulus Iagaru	Alma Mater University, ROMANIA	iagaru@gmail.com
Sorin Ilie	University of Pitesti, ROMANIA	sorin.ilie@upit.ro
Carmen Catalina Ioan	Gheorghe Asachi Technical University of Iasi, ROMANIA	carmenia_ro@yahoo.com
Stefania Iordache	Valahia University of Targoviste, ROMANIA	stefania.iordache@yahoo.com
Ivan Ivanov	Bulgarian Academy of Sciences, BULGARIA	ivanov@ic.bas.bg
J		
Barnim Jeschke	FOM Munich, GERMANY	barnim.jeschke@fom.de
Bo Jiang	Tsinghua University, CHINA	jiang-b10@mails.thu.edu.cn
Oana Jitar	Gheorghe Asachi Technical University of Iasi, ROMANIA	oana_j2005@yahoo.com
Cleotilde Juárez Ramírez	ENCB IPN, MEXICO	cleotildejr@prodigy.net.mx
K		
Nicolas Kalogerakis	Technical University of Crete, GREECE	nicolas.kalogerakis@enveng.tuc.gr
Azlan Kamari	Universiti Pendidikan Sultan Idris, MALAYSIA	azlkam@yahoo.co.uk
Damian Kasperczyk	Ekoinwentyka Sp. Z O.O., POLAND	biuro@ekoinwentyka.pl
Agnes Kis	University of Szeged, HUNGARY	kis.agnes@brc.mta.hu
Johannes Kissner	Alchemia-Nova, AUSTRIA	jk@alchemia-nova.net
Elena Krasnoslobodtseva	Moscow State University of Mechanical Engineering, RUSSIA	tatiana.v.p@hotmail.com
Emmanuel Koukios	National Technical University of Athens, GREECE	koukios@chemeng.ntua.gr
Zsuzsanna Kozmér	University of Szeged, HUNGARY	kozmer.zsuzsanna@gmail.com
L		





Krisztian Laczi	University of Szeged, HUNGARY	lkrisz@brc.hu
Tino Lassmann	Vienna University of Technology, AUSTRIA	tino.lassmann@tuwien.ac.at
Gabriel Lazar	Vasile Alecsandri University of Bacau, ROMANIA	glazar@ub.ro
Liliana Lazar	Gheorghe Asachi Technical University of Iasi, ROMANIA	lillazar@ch.tuiasi.ro
Lavinia Lupa	Politehnica University from Timisoara, ROMANIA	lavinia.lupa@chim.upt.ro
Doina Lutic	Gheorghe Asachi Technical University of Iasi, ROMANIA	doilub@yahoo.com
M		
Florica Manea	Politehnica University from Timisoara, ROMANIA	florica.manea@chim.upt.ro
Isabel Marques	INTELI, Intelligence in Innovation, Innovation Centre, PORTUGAL	isabel.marques@inteli.pt
Erick Marrón	ENCB IPN, MEXICO	emarron@gmail.com
Miguel Martinez-Trujillo	Universidad Michoacana de San Nicolas de Hidalgo, MEXICO	codigogenetico@gmail.com
Antonio Marzocchella	Università degli Studi di Napoli Federico II, ITALY	antonio.marzocchella@unina.it
Marius Lucian Matache	University of Bucharest, ROMANIA	make2000@gmail.com
Francisco Maugeri	University of Campinas, BRAZIL	maugeri@fea.unicamp.br
Andjelka Mihajlov	University of Novi Sad / Environmental Ambassado, SERBIA	anmihajlov@gmail.com
Bettina Mihalyi	Vienna University of Technology, AUSTRIA	bettina.mihalyi@tuwien.ac.at
Jelena Mitrovic	Faculty of Sciences and Mathematics, SERBIA	jelenam81@gmail.com
Cristina Modoi	Babes Bolyai University, ROMANIA	cristina.modoi@ubbcluj.ro
José Mondéjar-Jiménez	University of Castilla-La Mancha, SPAIN	jose.mondejar@uclm.es
Liliana Morales-Barrera	National Polytechnic Institute, MEXICO	lilianamor@prodigy.net.mx
Anca-Maria Moscovici	Politehnica University of Timisoara, ROMANIA	moscovicianca@gmail.com
Clemes Moser	Vienna University of Technology, AUSTRIA	clemens.moser@tuwien.ac.at
N		
Minh Phuong Nguyen	Hanoi University of Science, VIETNAM	nmphuong.hn@gmail.com
O		
Eugenia Olguín	Instituto de Ecología A. C, MEXICO	eugenia.olguin@inecol.edu.mx
Cristina Orbeci	University POLITEHNICA of Bucharest	cristina27ccc@yahoo.com
Višnja Orešëanin	Advanced energy Ltd, CROATIA	vorescan@gmail.com
P		
Carmen Paduraru	Gheorghe Asachi Technical University of Iasi	cpadur2005@yahoo.com
Tatiana Pantsyrnaya	Moscow State University of Mechanical Engineering, RUSSIA	tatiana.v.p@hotmail.com
Marius Valerian Paulet	Gheorghe Asachi Technical University of IASI, ROMANIA	mpaulet@ee.tuiasi.ro





Gabriela Pavelescu	National Institute of R&D for Optoelectronics INOE 2000, ROMANIA	gpavel@inoe.ro
Milan Pavlovic	Technical Faculty "Mihajlo Pupin" SERBIA	dekanat@tfzr.uns.ac.rs
Marta Pazos	University of Vigo, SPAIN	mcurras@uvigo.es
Katalin Perei	University of Szeged, HUNGARY	perei@brc.hu
Petya Petrova-Shtereva	Bulgarian Academy of Sciences, BULGARIA	inj_petrova@abv.bg
Aleksandra Petrovic	University of Maribor, SLOVENIA	aleksandra.petrovic@um.si
Julia Petushkova	Lomonosov Moscow State University, RUSSIA	jupponline@gmail.com
Rodica Pode	Politehnica University from Timisoara, ROMANIA	rodica.pode@chim.upt.ro
Ciprian Marcel Pop	Babes-Bolyai University, ROMANIA	popmarcel@hotmail.com
Aniela Pop	Politehnica University from Timisoara, ROMANIA	aniela.pop@chim.upt.ro
Simona Popa	Gheorghe Asachi Technical University of Iasi, ROMANIA	ene.simona@ch.tuiasi.ro
Carmen Postolache	University of Bucharest, ROMANIA	carmen_postolache83@yahoo.com
R		
Vladana Rajakovic-Ognjanovic	Institute of Hydraulic and Environmental Engineering, SERBIA	vladana@grf.bg.ac.rs
Gabor Rakhely	University of Szeged, HUNGARY	rakhely@brc.hu
Muhammad Ramzan	University of Agriculture Faisalabad, PAKISTAN	ramzanone@yahoo.com
Sebastian Raupp	Karlsruhe Institute of Technology, GERMANY	sebastian.raupp@kit.edu
Akos Redey	University of Pannonia, HUNGARY	redey.akos@gmail.com
Karin Reinhold	Tallinn University of Technology, ESTONIA	karin.reinhold@ttu.ee
Károly Reményi	Mta Titkársága, HUNGARY	kremnyi@gmail.com
Anastasia Reutova	Moscow State University of Mechanical Engineering, RUSSIA	tatiana.v.p@hotmail.com
Antonia Rom	Vienna University of Technology, AUSTRIA	antonia.rom@tuwien.ac.at
Cristina Rosu	Babes-Bolyai University, ROMANIA	cristina.rosu@ubbcluj.ro
S		
Francisco J. Saez-Martinez	University of Castilla-La Mancha, SPAIN	francisco.saez@uclm.es
Chayan Saha	Leibniz Institute for Agricultural Engineering Potsdam-Bornim, GERMANY	csaha@atb-potsdam.de
Rym Salah-Tazdait	Mouloud MAMMERI University of Tizi-Ouzou, ALGERIA	rymsalah4@gmail.com
Angélica María Salmerón Alcocer	Instituto Politécnico Nacional, MEXICO	angelicasalmeron@hotmail.com
M Angeles Sanroman	University of Vigo, SPAIN	sanroman@uvigo.es
Fortunata Santoyo Tepole	Instituto Politécnico Nacional, MEXICO	fsantoyo@ipn.mx





Suéllen Satyro Ferreira	Federal University of Rio de Janeiro, BRASIL	satyro@gmail.com
Kerstin Scherr	University for Natural Resources and Life Sciences, AUSTRIA	kerstin.scherr@boku.ac.at
Ana-Maria Schiopu	S.C. Salubris S.A., ROMANIA	anamariaschiopu@yahoo.com
Johannes Schneeberger	LAURINengine, UNITED STATES	jxschx@gmail.com
Olga Shchelkanova	Moscow State University of Mechanical Engineering, RUSSIA	tatiana.v.p@hotmail.com
Isabela Maria Simion	Gheorghe Asachi Technical University of Iasi, ROMANIA	tissabela@yahoo.com
Alina Soceanu	Ovidius University of Constanta, ROMANIA	asoceanu@univ-ovidius.ro
Federica Spina	University of Torino, ITALY	federica.spina@hotmail.it
Paraschiv Spiru	University Dunarea de Jos of Galati, ROMANIA	sparaschiv@ugal.ro
Catalina Stoica	National Research and Development Institute for Industrial Ecology-ECOIND, ROMANIA	biologi@incdecoind.ro
Radu Sumalan	Banat University of Agricultural Science and Veterinary Medicine from Timisoara, ROMANIA	plantphysiology.ro@gmail.com
T		
Djaber Tazdait	Mouloud MAMMERY University of Tizi-Ouzou, ALGERIA	djabertazdait@mail.ummt.dz
Marius Telisca	Gheorghe Asachi Technical University of Iasi, ROMANIA	marius_tel@yahoo.com
Carmen Teodosiu	Gheorghe Asachi Technical University of Iasi, ROMANIA	cteo@ch.tuiasi.ro
Raluca Teodosiu	Technical University of Civil Engineering Bucharest, ROMANIA	ralucahohota@yahoo.com
Iulia Terry	Vasile Alecsandri University of Bacau, ROMANIA	glazar@ub.ro
Piia Tint	Tallinn University of Technology, ESTONIA	piia.tint@ttu.ee
Bogdan Marian Tofanica	Fondazione Bruno Kessler, Renewable Energies & Environmental Technologies Unit, ITALY	b.m.tofanica@gmail.com
Zoltán Török	Babes-Bolyai University, ROMANIA	zoltan.torok@ubbcluj.ro
Vincenzo Torretta	Insubria University, ITALY	vincenzo.torretta@uninsubria.it
Alexandru Florentin Trandabat	Gheorghe Asachi Technical University of Iasi, ROMANIA	ftranda@yahoo.com
Przemyslaw Trzeciński	Warsaw University of Technology, POLAND	trzcinski1@o2.pl
U		
Krzysztof Urbaniec	Warsaw University of Technology, Plock Branch, POLAND	k.urbaniec@mbox.pw.edu.pl
V		
Christos Vlachokostas	Aristotle University Thessaloniki, GREECE	vlahoco@aix.meng.auth.gr
W		
Felix Weinwurm	Vienna University of Technology, AUSTRIA	felix.weinwurm@tuwien.ac.at





Jacek Wernik	Warsaw University of Technology, POLAND	wernik@pw.plock.pl
Krzysztof Wolosz	Warsaw University of Technology Plock Branch, POLAND	krzysztof.wolosz@pw.plock.pl
Walter Wukovits	Vienna University of Technology, AUSTRIA	walter.wukovits@tuwien.ac.at
Y		
Tatiana Yuzhakova	University of Pannonia, HUNGARY	tjuchako@almos.vein.hu
Z		
Dayi Zhang	Lancaster University, UNITED KINGDOM	d.zhang@shef.ac.uk
Kathrin Zörweg	Vienna University of Technology, AUSTRIA	kathrin.zoerweg@tuwien.ac.at





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