International Conference On Recycling and Reuse 2012 (R&R, 2012)

June 4, 2012, Monday

08.00-10.00  Registration
10.00-11.00  Opening Ceremony, Doctorate Hall
11.00-11.30  Recovery of Chemicals from Wastewater
Mark van Loosdrecht (Keynote Speaker), The Netherlands
11.30-12.00  Hydrogen Production by Solar Photocatalytic Reforming of Biomass Waste
Gianluca Li Puma (Keynote Speaker), United Kingdom

12.00-13.45  LUNCH

13.45-14.15  Main Trends and Challenges in Water Reuse
Valentina Lazarova-Lluis Sala (Keynote Speaker), France/Spain

June 4, 2012, Monday, Doctorate Hall
Session I A  Recycling and Reuse of Solid Waste Materials I
Chair: Gianluca Li Puma

H. Benkreira (Invited Speaker), V. Horoshenkov, A. Khan and S. Mahasaranon, United Kingdom

M.C. Tomei, D. Mosca Angelucci, A.J. Daugulis, Canada/Italy

14.55-15.10  Composite Boards Produced from Waste Tetra Pak Packaging Materials: Chemical Properties and Biological Performance
N. Yilgor, E. Terzi, S.N. Kartal, C. Kose, C. Houtman, Turkiye/USA

15.10-15.25  Biochar Utilization for the Production of Activated Carbon
D. Angin, E. Altintig, Turkiye

15.25-15.40  Biocomposite Manufacturing from Bio-Waste
E. Avci, Z. Candan, O. Gonultas, Turkiye

15.40-15.55  Fire-Resistance Light Board from Waste Newspapers and Determination of Some Physical and Mechanical Properties
B. Mohebby, A. Javaheri, Iran

15.55-16.10  COFFEE BREAK
<table>
<thead>
<tr>
<th>Time</th>
<th>Session I B</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.20-14.40</td>
<td><strong>Management Aspects of Recycling and Reuse I</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Chair: Turgut Onay</strong></td>
</tr>
<tr>
<td>14.20-14.40</td>
<td>Adaptation to Climate Change in Industry: Demonstration Projects for Water</td>
</tr>
<tr>
<td></td>
<td>Saving through Eco-Efficiency Approach</td>
</tr>
<tr>
<td></td>
<td><strong>G. N. Demirer (Invited Speaker), E. Alkaya, M. Bogurcu, F. Ulutas, Turkiye</strong></td>
</tr>
<tr>
<td>14.40-14.55</td>
<td>Master Plan Study for Industrial Wastewaters, A Case Study: Maritsa-Ergene</td>
</tr>
<tr>
<td></td>
<td>Basin</td>
</tr>
<tr>
<td></td>
<td><strong>E. Citil, E. Gorgun, O. Karahan, Y. Gunes, E. Gunes, E. Caliskan, Turkiye</strong></td>
</tr>
<tr>
<td>14.55-15.10</td>
<td>Implementation of Site Waste Management Plans Regulations in the UK:</td>
</tr>
<tr>
<td></td>
<td>Limitations and Missed Opportunities</td>
</tr>
<tr>
<td></td>
<td><strong>M. Osmani, United Kingdom</strong></td>
</tr>
<tr>
<td></td>
<td>Symbiosis in Iskenderun Bay</td>
</tr>
<tr>
<td></td>
<td><strong>E. Alkaya, M. Bogurcu, F. Ulutas, G. N. Demirer, Turkiye</strong></td>
</tr>
<tr>
<td></td>
<td>in Himalayas</td>
</tr>
<tr>
<td></td>
<td><strong>R. Arya, India</strong></td>
</tr>
<tr>
<td></td>
<td><strong>A. Belic, S. Belic, Serbia</strong></td>
</tr>
<tr>
<td>15.55-16.10</td>
<td><strong>COFFEE BREAK</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Session I C</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.20-14.35</td>
<td><strong>Advanced Treatment Processes in Recycling and Reuse: Membrane Applications I</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Chair: Nalan Kabay</strong></td>
</tr>
<tr>
<td>14.20-14.35</td>
<td>In Situ and Ex Situ Formation of Silica Nanoparticles on Polyethersulfone</td>
</tr>
<tr>
<td></td>
<td>Membranes: Structure, Performance and Plasma Treatment Studies</td>
</tr>
<tr>
<td></td>
<td><strong>A. Ananth, K. Thiagarajan, G. Arthanareeswaran, Y. S. Mok, India/Korea</strong></td>
</tr>
<tr>
<td>14.35-14.50</td>
<td>Synthesis and Characterization of Polymeric/Activated Carbon Membranes and</td>
</tr>
<tr>
<td></td>
<td>their Utilization in the Treatment of Polluted Water</td>
</tr>
<tr>
<td></td>
<td><strong>S. Nawel, D. Mohamed, M. Hacene, Algeria</strong></td>
</tr>
<tr>
<td>14.50-15.05</td>
<td>The Effect of Membrane Characteristics on the Removal of Hardness Ions</td>
</tr>
<tr>
<td></td>
<td>with Electrodialysis</td>
</tr>
<tr>
<td></td>
<td><strong>B. Karabacakoglu, F. Tezakil, A. Guvenc, Turkiye</strong></td>
</tr>
<tr>
<td>15.05-15.20</td>
<td>Boron Removal from Waste Water Originating from the Open Pit Mines of</td>
</tr>
<tr>
<td></td>
<td>Bigadic Boron Work by Means of Reverse Osmosis</td>
</tr>
<tr>
<td></td>
<td><strong>V. Duman, E. Ozmetin, Turkiye</strong></td>
</tr>
<tr>
<td>15.20-15.35</td>
<td>Removal Performance of Lignin Compound from Simulated Pulping Wastewater</td>
</tr>
<tr>
<td></td>
<td>Using Emulsion Liquid Membrane Process</td>
</tr>
<tr>
<td></td>
<td><strong>N. Othman, M. Mohamad, Z. Y. Ooi, N. Huruddin, R. Rashid, Malaysia</strong></td>
</tr>
<tr>
<td>15.35-15.50</td>
<td>Potabilisation of Surface Water (Dam AinZada-Setif-Algeria) with Coupling</td>
</tr>
<tr>
<td></td>
<td>Pretreatment-Microfiltration</td>
</tr>
<tr>
<td></td>
<td><strong>A. Fadel, S. Nacef, Algeria</strong></td>
</tr>
</tbody>
</table>
COFFEE BREAK

June 4, 2012, Monday, Doctorate Hall
Session II A  Management Aspects of Recycling and Reuse II
Chair: Themistocles Lekkas

16.10-16.30  Urban Drainage Treatment Sustainability I: Measurements and Models
J. Sansalone (Invited Speaker), S. Raje, C. Berretta, G. Ying, USA

16.30-16.45  Urban Drainage Treatment Sustainability II: Wastewater Reuse
J. Sansalone (Invited Speaker), G. Ying, S. Raje, G. Garofalo, H. Zhang, USA

16.45-17.00  Sustainable Cities: Innovative Approach Towards Combating Urban Environmental Issues
M.M. Pandey, India

17.00-17.15  E-Learning in the Waste Management Sector: A Web-Application for Planning Biological Waste Treatment Facilities
C. Kuhnel, K. Kuchta, Germany

17.15-17.30  Innovative Approaches in Solid Waste Management: Reduce, Recycle, Reuse, Recover Energy from the Residual
X. Kakatsios, Greece

17.30-17.45  “Zero Waste” Approach in Waste Recovery System: Turkish Telecom Model
G. Nisli, A.F. Ozten, L. Haceio, M.K. Er, Turkiye

18.30-20.30  WELCOME RECEPTION

June 4, 2012, Monday, Istanbul Hall
Session II B  Recycling and Reuse of Solid Waste Materials II
Chair: Rajan Choudhary

16.10-16.30  Bioreactor Landfill Concept
T. Onay (Invited Speaker), Turkiye

16.30-16.45  Effect of Asphalt Plant Residue on the Properties of Hot Mix Asphalt
M. Karacasu, F. Hattatoglu, S. Hinislioglu, Y.S. Murat, Turkiye

16.45-17.00  Usability of Asphaltite in Hot Mix Asphalt Concrete
H.N. Aras Mehan, S. Hinislioglu, M. Kocakerim, Turkiye

17.00-17.15  Valorisation of Cork By-Products for the Treatment of Vegetal and Animal Oil Containing Wastewaters

17.15-17.30  A Research on Recovery of Phosphate Sludge
O. Dogan, M. Karpuzcu, Turkiye

17.30-17.45  Evaluation of Crumb Tire Rubber Modified Hot Mix Asphalt Concrete in Sudan
S. Osman, A.A.M. Adam, S. Arabia/ Sudan

18.30-20.30  WELCOME RECEPTION
June 4, 2012, Monday, Bogazici Hall
Session II C Energy I
Chair: Aysen Erdincler
16.10-16.25 Toward a Black Sea Community for Hydrogen Energy
S. Stanciugelu, A. Tăranu, I. Rusu, Romania
16.25-16.40 An Investigation of Fleshing Residue Gasification in a Fixed Bed Reactor
A. Ongen, S. Arayici, Turkiye
16.40-16.55 Re-Use of Agricultural Wastes and Wastewater Sludges in Energy Production
B.A. Alagoz, A. Erdincler, O. Yenigun, Turkiye
16.55-17.10 Biochemical Methane Potential of Membrane Concentrates: A Case Study of Textile Wastewaters
I. Aydin, F.B. Yaman, H. Elicik, D. Karadag, M. Cakmakci, B. Ozkaya, Turkiye
17.10 -17.25 Energy from Waste Tires Pyrolysis in a Fluidized Bed Reactor
E. Amirabedin, H. Topal, Turkiye
17.25-17.40 Predicting the Incineration Potential of Sewage Sludge from Proximate and Ultimate Analysis
O. Atak, A. Atimtay, F.D. Sanin, Turkiye
18.30-20.30 Welcome Reception

June 5, 2012, Tuesday, Doctorate Hall
08.30-09.00 Present and Future Composting Challenges and Technologies for Organics Management
Patricia Millner (Keynote Speaker), USA

June 5, 2012, Tuesday, Doctorate Hall
Session I A Recycling and Reuse of Solid Waste Materials III
Chair: Kerstin Kuchta
09.05-09.25 Packaging Waste Recovery in Greece
T.D. Lekkas (Invited Speaker), J. Razis, L. Komis, Greece
09.25-09.40 Impact of Recycled Fibers on Paper Strength Properties
A. Genc, L. Durmaz, Turkiye
09.40-09.55 Recycling of Glass Fibre Reinforce Plastics Using Microwave Pyrolysis
D. Akesson, M. Skrifvars, Sweden
09.55-10.10 Recycling of Bituminous Pavements With Sasobit
R. Choudhary, H.S. Kaulgud, India
10.10-10.25 Recycled Materials in Architecture
N. Ghanavati, G. Soltani, D. Rezaei, Iran
10.40-10.55 Coffee Break
June 5, 2012, Tuesday, Istanbul Hall

Session I B  Recycling and Reuse in Wastewater Treatment I

Chair: Claudio Di Iaconi

09.05-09.25  Wastewater Reuse Case Studies: A Procedure for Assessing Techno-Economic Feasibility
G. Bertanza (Invited Speaker), A. Abba, M. Papa, F. Prandini, C. Collivignarelli, S. Papiri, Italy

09.25-09.40  Effect of Lime Precipitation, Coagulation, Electrocoagulation and Fenton’s Reagent Processes on the Particle Size Distribution of Olive Oil Mill Wastewater
H. Haksevenler, S. Dogruel, I.A. Alaton, Turkiye

09.40-09.55  Treatment of Pharmaceutical Wastewater by Hybrid Electrocoagulation/Nanofiltration Process
T. Chaabane, S. Zaidi, R. Maachi, A. Darchen, Algeria

09.55-10.10  The Use of Membrane and Evaporation Processes for the Recycling of Weak Lye in Textile Industry and Cost-Benefit Analysis
B. Yuzer, I. Anar, M. Bekbolet, H.Selcuk, Turkiye

10.10-10.25  Microcontaminants and Organic Pollution Mitigation in Reclamation Osmosis Brines through UV/H2O2 and Ozone
A. Justo, O. Gonzalez, J. Acena, S. Perez, D. Barcelo, C. Sans, S. Esplugas, Spain

K.E. Bouhidel, S. Tamersit, Algeria

10.40-10.55  COFFEE BREAK

June 5, 2012, Tuesday, Bogazici Hall

Session I C  Energy II

Chair: Giorgio Bertanza

09.05-09.25  Activity Assessment of Methanogenic Technical Habitats
P. Scherer (Invited Speaker), J. Shaik, L. Neuman, Germany

09.25-09.40  Models for the Prediction of Landfill Gas Potential – A Comparison
H. Sarptas, S. Eker, R. Seyfioglu, H. Boyacioglu, D. Dolgen, N. Alpaslan, Turkiye

09.40-09.55  Effects of Different Growth Media on Biohydrogen Production
B. Ozyurt, G. Firat, Z. Yilmazer, S. Ertunc, H. Hapoglu, B. Akay, Turkiye

09.55-10.10  Case-Study on Biogas Production from Local Biomasses: Co-Digestion of Pectin Production Residues, Manure and Seaweed
S. Heiske, J.E. Schmidt, Denmark

10.10-10.25  Mesophilic Batch Anaerobic Co-Digestion of Maize and Cow Dung for Methane Production in an Anaerobic Digester
L. Amiri, E. Madadian, M.A. Abdoli, Iran

10.40-10.55  COFFEE BREAK
June 5, 2012, Tuesday, Doctorate Hall

**Session II A**  Green Chemistry

**Chair:** Miray Bekbolet

10.55-11.15  Life Cycle Assessment for Spent Foundry Sand Reuse

**U.Yetis (Invited Speaker), C. Yigit, F.B. Dilek, T. Karanfil, Turkiye**

11.15-11.30  Carboxymethylcellulose Synthesis from Recycled Newspaper

**C. Unlu, O.G. Atici, Turkiye**

11.30-11.45  Recovery of Sodium Metaborate by CO$_2$ Effect of Calcination Temperature and Media

**M.E. Kibar, A.N. Akin, Turkiye**

11.45-12.00  Recycling Waste Glycerol from Biodiesel Production by Converting it into a Biopolymer Raw Material: 1,3-Propanediol (PDO)

**S.E. Ozture, N. Azbar, N. Kabay, Turkiye**

12.00-12.15  Life Cycle Assessment of Latex Paint Recycling Process

**I.S. Dunmade, Israel**

12.15-12.30  Examining Possibility of Building Temporary Shelters after Disasters Using BAMBOO Technology

**S. Saljoughi, S. Motawef, Iran**

12.30-13.45  LUNCH

---

June 5, 2012, Tuesday, Istanbul Hall

**Session II B**  Advanced Treatment Processes in Recycling and Reuse: Adsorption Based Applications

**Chair:** Idil Arslan Alaton

10.55-11.10  Functionalized SBA-15 with Pyridine Based Ligand for Selective Adsorption of Co$^{2+}$ Ion from Artificial Seawater

**M.S. Moorthy, S.S. Park, M. Aneesh, S.H. Lee, L.W. Lee, C.S. Ha, Korea**

11.10-11.25  Activated Carbon from Pumpkin Seed Shell: Preparation and Characterization

**I. Demiral, C.Aydin Samdan, H. Demiral, Turkiye**

11.25-11.40  Interaction of Metribuzin with Zinc Organometallic Compounds

**S. Boutamine, A. Boucif, Z. Hang, D. Abdessemed, Algeria**

11.40-11.55  A Green Technology for the Removal of Heavy Metal Ions from Aqueous Solutions

**C.P. Sahin, E. Esen, Z. Ozbas, H. Kasgoz, G. Gurdag, Turkiye**

11.55-12.10  Biosorption of Pb$^{2+}$ from Aqueous Solutions Using Indigenous Biomaterials (SeidlitziaRosmarinus)

**M. Atashzar, A.A. Zamani, A.H. Parizanganeh, M.R. Yaftian, Iran**

12.10-12.25  Removal of Blue Cibacete (BC) from Aqueous Solution by Adsorption on Organic-Inorganic Pillared Clays in Powder and Granular Forms

**B. Cheknane, B. Briki, F. Zermane, M. Baudu, O. Bouras, J.P Basly, France/Algeria**

12.30-13.45  LUNCH
June 5, 2012, Tuesday, Bogazici Hall
Session II C  Advanced Treatment Processes in Recycling and Reuse: Membrane Applications II

Chair: Ebru Dulekgurgen

10.55-11.15  Application of Membrane Technology for Reuse of Bio-treated Wastewater and Quality Analysis of Product Water
N. Kabay (Invited Speaker), S. Bunani, E. Yorukoglu, G.Sert, T.O. Pek, U. Yuksel, M. Yuksel, Turkiye

11.15-11.30  Treatment and Reuse of the Brine Wastewater Generated from a Membrane Pilot Plant for Zero Discharge in Textile Industry: Effects on the Dyeing Process
B. Yuzer, F.B. Bulut, U. Emer, M. Bekbolet, H. Selcuk, Turkiye

11.30-11.45  Techno-Economic Investigation of Water Recovery and Whey Powder Production from Whey Using UF-RO and FO-RO Integrated Membrane Systems
C. Aydiner, U. Sen, S. Topcu, D. Sesli, D. Ekinici, A.D. Altinay, B. Oz bey, B. Keskinler, Turkiye

11.45-12.00  Oily Wastewater Treatment Using Membrane Bioreactor
M. Safa, I. Alemzadeh, M. Vosoughi, Iran

12.00-12.15  The Use of a Submerged Membrane Bioreactor for the Biological Treatment of a Synthetic Oilfield Produced Water Using an Isolated Halophilic Bacterial Consortium
E.A. Sharghi, P. Roustazadeh, B. Bonakdarpour, M.A. Amoozegar, A.R. Rabbane, Iran

12.15-12.30  Treatment of Compost Leachate with Combined Membrane Processes: A Case of Istanbul
V.S. Ozyaka, M. Cakmakci, B. Ozkaya, D. Karadag, Turkiye

12.30-13.45  LUNCH

June 5, 2012, Tuesday, Doctorate Hall

Session III A  Recycling and Reuse of Solid Waste Materials IV

Chair: Hadj Benkreira

14.20-14.40  Compost Toxicity: Quality of OFMSW, Evaluation Methods and European Regulations
V. Belgiono (Invited Speaker), A. Cesaro, M. Guida, Italy

D.R. Kindig, P.T. Phillips, P.D. Millner, USA

14.55-15.10  Occurrence of Phthalates in Mixed Municipal Solid Wastes
D.I. Cifci, C. Kinaci, O. Arikan, Turkiye

15.10-15.25  Pathogen Reduction in Minimally Managed Composting of Bovine Manure
P. D. Millner, D. Ingram, W. Mulbry, O. Arikan, USA/Turkiye
Fixed Bed Pyrolysis of Hornbeam (Carpinus betulus L.) Shell
U. Morali, S. Sensoz, Turkiye

Municipal Solid Waste Characterization and its Assessment for Potential Compost Production: A Case Study
P. Abdolhossein, F.L. Habib, T. Javad, Iran

COFFEE BREAK

June 5, 2012, Tuesday, Istanbul Hall
Session III B  Energy III
Chair: Jens Ejbye Schmidt

Scheduling of Integrated Green Electricity Generation from Agro-Waste for Eco-Communities
H. Hashim, K.Y. Lee, W.T. Ng, W.S. Ho, Malaysia

Application of Renewable Energies for Water Desalination
M. Hacene, M. Goosen, S. Nawel, Algeria

Electricity Generation and Carbon Removal from Sewage Sludge Using a Two-Chamber Microbial Fuel Cell
A. Karlukanovaine, O. Karahan, Turkiye

The Change of Surface and Structure Properties of Cation Exchange Membrane in a Microbial Fuel Cell
Y.A. Cetinkaya, C. Denktas, B. Ozkaya, M. Cakmakci, D. Karadag, E. Sahinkaya, Turkiye

Renewable Energy Potential from Composite Pellets Derived from Recycling of Municipal Solid Waste Plastic and Oil Palm Biomass in Malaysia
H. Zulkafli, I.W. Asma, J. Joharizal, Malaysia

COFFEE BREAK

June 5, 2012, Tuesday, Doctorate Hall
Session IV A   Advanced Treatment Processes in Recycling and Reuse: Oxidation Based Applications I
Chair: John Byrne

Solar Disinfection for Lowering the Microbial Risk in Wastewater Reuse for Irrigation
P. Fernandez-Ibanez (Invited Speaker), F. Bichai, M. I. P. Lopez, Spain

Optimization of Turbidity Removal from Petrochemical Wastewater by Electrocoagulation Using Response Surface Methodology
S. O. Giwa, L.C. Pekel, N. Vural, H. Hapoglu, Turkiye

Photocatalytic Degradation of Methyl Orange Using Nanocatalyst TiO2 Supported Glass Waste as a Catalyst Under Sunlight Irradiation
M. N. Rashed, Egypt

Photocatalytic and Antibacterial Activity of Silver/Titania and Silver/Zinc Oxide Immobilized Hectorite
I. Fatimah, Indonesia

Photocatalytic Degradation of Ethylene Dichloride in Water Using Nano TiO2
Supported on Clinoptilolite as a Photocatalyst  
**M. Nikazar, Iran**

17.30-17.45  Effect of Bed Characteristics on Solar Disinfection in Maturation Ponds  
**M. Fouad, M. Mahdey, K. El-Alfy, Egypt**

17.45-18.15  Poster Presentation, Poster No: P1-P44, P96-P112

20.00-  GALA DINNER

**June 5, 2012, Tuesday, Istanbul Hall**

**Session IV B  Recycling and Reuse in Wastewater Treatment II**

**Chair: Hatrice Eser Okten**

16.10-16.30  Municipal Landfill Leachate Treatment: Nitrogen Recovery Followed by Ozone Enhanced Biological Degradation  
**C. Di Iaconi (Invited Speaker), A. Lopez, Italy**

16.30-16.45  Anaerobic Digestibility and Dewaterability of Aerobic Granular Sludge  
**A. Y. Akoz, E. Koornneef, M.C.M. van Loosdrecht, A. Erdincler, Turkiye/The Netherlands**

16.45-17.00  Impact of Gradually Decreasing the Settling Time on Settling Properties of Activated Sludge  
**F. Sadrzadeh, E. Dulekgurgen, Turkiye**

17.00-17.15  Polyhydroxyalkanoate (PHA) Production from Activated Sludge  
**N. Semerci, F.T. Citak, Turkiye**

17.15-17.30  Advanced Oxidation of a Commercially Important Nonionic Surfactant: Investigation of the Degradation Products - Acute Toxicity Relationship  
**A. Karci, I.A. Alaton, M. Bekbolet, Turkiye**

17.45-18.15  Poster Presentation, Poster No: P1-P44, P96-P112

20.00-  GALA DINNER

**June 6, 2012, Wednesday, Doctorate Hall**

**08.30-09.00  3E Problem: Energy, Environment and Economy**  
**Ibrahim Dincer (Keynote Speaker), Canada**

**Session I A  Recycling and Reuse of Solid Waste Materials V**

**Chair: Vincenzo Belgiorno**

09.05-09.25  EU Adapted Integrated Solid Waste Management in Turkey  
**I. Ozturk (Invited Speaker), Turkey**

09.25-09.40  Techno-Economic Evaluation of the Recovery of Zinc and Manganese from Spent Primary Batteries Using Different Leaching Agents  
**E. Sayilgan, G. Civelekoglu, N.O. Yigit, M. Kitis, Turkiye**

09.40-09.55  Practice and Development in BefesaWaelz Technologies for Metal Recycling  
**M. Gamroth, I. Barin, Germany**

09.55-10.10  Recycling Potential and Demand of Raw Material of the Rare Earth Metal Neodymium
June 6, 2012, Wednesday, Istanbul Hall
Session I B  Public Health Aspects of Recycling and Reuse
Chair: Mohamed Osmani
09.05-09.25 Recovery/Reuse Options from Segregated Domestic Wastewater
B. Beler Baykal (Invited Speaker), Turkiye
09.25-09.40 Economic Feasibility Analysis for Conventional and Converter Technologies for Sterilization of Medical Waste
D. Akgul, H.E. Okten, A. Corum, G. Demir, Turkiye
09.40-09.55 Investigation of Impact of TiO₂ NPs Coated Nanotextile Wastewater to Activated Sludge Respiration Rate and Various Bioassays
F. Ciner, M. Guida, B. Aktan, H. Selcuk, S. Meric Pagano, Turkiye
09.55-10.10 Sources and Ozone Formation Potential of the Volatile Organic Compounds (VOCs) in Bursa Atmosphere
S. Yurdakul, M. Civan, G. Tuncel, Turkiye
10.10-10.25 Biological Carbon and Nutrient Removal Treating Toilet Wastewater in Closed Water Cycle
H. Knerr, T. G. Schmitt, Germany
S.A. Tsyruk, S. A. Yanchenko, Russia
10.40-10.55 COFFEE BREAK

June 6, 2012, Wednesday, Doctorate Hall
Session II A  Recycling and Reuse of Solid Waste Materials VI
Chair: Osman Arikan
10.55-11.15 Biosorption with Algae as a Green Technology for Recovery of Rare Earth Metals from E-waste
K. Kuchta (Invited Speaker), M.A. Kucuker, Germany
11.15-11.30 Wastes of PET Bottles: An Excellent Precursor for Activated Carbon Preparation
A. Esfandiari, T. Kaghazchi, M. Soleimani, Iran
11.30-11.45 Role of Public, Private and NGO’s with the Urban Local Body in Recycling, Recovery and Reuse for Sustainable Decentralized Solid Waste Management
M. Lokeshwari, C. N. Swamy, India
11.45-12.00 Reuse of Recycled Polypropylene for Wood Plastic Composites
S. K. Najafi, Iran
12.00-12.15  Treatment, Disposal and Resource Utilization of the Waste Slurry from Qian Tang River Shield Tunnel
C. Li, G. Ding, G. Chang, Y. Tang, H. Liu, B. Wan, China

12.15-13.15  LUNCH

13.15-13.45  Poster Presentation, Poster No: P45-P95, P113-P126

June 6, 2012, Wednesday, Istanbul Hall
Session II B  Public Health Aspects in Urban Air
Chair: Ibrahim Dincer

10.55-11.15  Environmental Causes of Chronic Diseases
S. Erdogan (Invited Speaker), Turkiye

11.15-11.30  The Evaluation of Health Effects of Air Pollutants in Indoor Air at Chemical Engineering Department of Hacettepe University
D. Akal, M. Civan, S. Yorulmaz, H.Y. Ersan, G. Tuncel, Turkiye

11.30-11.45  Size, Concentration and Elemental Composition of the Urban Particles in Winter Season: Goztepe Field Study
B. Celik, G. Oraltay, Turkiye

11.45-12.00  Time Series Analysis for the Sulfur Dioxide and Particulate Matter Concentrations in the Aegean Region of Turkey
S. Cukurluoglu, U.G. Bacanli, Turkiye

12.15-13.15  LUNCH

13.15-13.45  Poster Presentation, Poster No: P45-P95, P113-P126

June 6, 2012, Wednesday, Doctorate Hall
Session III A  Soil Remediation
Chair: John Sansalone

13.45-14.00  Pollution Control and Remediation Technologies of Industrial Zones
F. Cara, J. Hoxha, F. Vincani, Albenia

14.00-14.15  Abandoned Copper Mines and Phytoremediation Possibilities
G. Baycu, S. E. Rognes, Turkiye/Norway

14.15-14.30  Simulation of Crude-Oil Contaminated Soil Bioremediation by Aerobic Composting
M. Khamforoush, M. J. Rahi, Iran

M. B. Esfandiar, R. Jamshidi, C. Hamed, F. Shahbazi, Iran

14.45-15.00  Contaminant Source Determination in Groundwater Using TMCP and TMCH Isomers Ratio
A. Vaezihir, M. Zare, J. Barker, P. Grathtwohl, E. Raeisi, Canada/Germany

15.00-15.15  COFFEE BREAK
15.15-15.30  CLOSING CEREMONY

June 6, 2012, Wednesday, Istanbul Hall
Session III B  Air

Chair: Gurcan Oraltay

13.45-14.00  An Experimental Study on Performance Characteristics of Modified Cyclone Separators
O. Sendogan, I. Karagoz, A. Avci, A. Surmen, Turkiye

14.00-14.15  Improvement of Performance of NH\textsubscript{3} photo-SCR of NO
T. Tanaka, K. Teramura, A. Yamamoto, T. Shishido, Japan

14.15-14.30  Basic Principles of CO\textsubscript{2} Emission Calculations at Airport: A Case Study from Turkey
G. Ozdemir, A. Filibeli, Turkiye

14.30-14.45  Mathematical Modeling for Noise and Development of Noise Contours for an Urban Area-Bangalore, India
P. Kolhar, M.N. Sreehari, B.L. Shivakumar, India

14.45-15.00  The Feasibility Study for Combined Steam and CO\textsubscript{2} Reforming Process with COG
J.H. Park, S. Park, H. Do, H.D. Chun, H.S. Park, Korea

15.00-15.15  COFFEE BREAK

15.15-15.30  CLOSING CEREMONY