Scientific Program

2nd International Conference on
POLLUTION CONTROL AND SUSTAINABLE ENVIRONMENT

October 05-06, 2017   London, UK
# Day 1  October 05, 2017

## Keynote Forum

<table>
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<th>Session</th>
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<tbody>
<tr>
<td>10:00-10:05</td>
<td>Introduction</td>
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</tbody>
</table>
| 10:05-10:50 | Title: Treatment of mixed herbal oil processing factory wastewaters by pilot-scale electrocoagulation unit  
           | Başak K Taşeli, Giresun University, Turkey    |

**Group Photo & Networking and Refreshments Break 10:50-11:10 @ Breakout Area**

<table>
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<tr>
<th>Time</th>
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</table>
| 11:10-11:55 | Title: Biosensor device to detect Arsenic content in ground water  
           | S K Verma, Birla Institute of Technology and Science-Pilani, India |

## Exhibitor Speech

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>11:55-12:25</td>
<td>Presentation on Sootaway</td>
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<td>Leif Vebenstad, Johnsen Chemicals AS, Norway</td>
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## Sessions:

- Pollution  
- Air Pollution and Treatment  
- Light Pollution  
- Water Pollution and Treatment  
- Marine Pollution  
- Pollution Control Technologies and Devices  
- Waste Management and Treatment  
- Industrial Pollution  
- Solid Waste Disposal  
- Renewable Energy

**Session Chair: Constantinos Sioutas, University of Southern California, USA**

**Session Introduction**

<table>
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<tr>
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| 12:25-12:55 | Title: Pesticide knowledge and safety practices among farmers in developing Countries:  
           | Case study in Philippines and Vietnam  
           | Maria luisa baino-salingay, IHE-Delft and Technical University of Delft (TU Delft), Netherlands |

**Lunch Break 12:55-13:55 @ RBG**

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<tr>
<th>Time</th>
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| 13:55-14:25 | Title: Air pollution and childhood acute leukemia in Oklahoma  
           | Janis E Campbell, University of Oklahoma Health Science Center, USA |
| 14:25-14:55 | Title: Cost-benefit analysis of implementing policy measures for reducing PM and O₃  
           | concentrations: the case of Israel  
           | Doron Lavee, Tel-Hai College, Israel |
| 14:55-15:25 | Title: Impacts of urban planning and regulations on the air quality and sustainable  
           | development of metropolitan cities  
           | Constantinos Sioutas, University of Southern California, USA |

**Networking and Refreshments Break 15:25-15:40 @ Breakout Area**

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<tr>
<th>Time</th>
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| 15:40-16:10 | Title: Ascertaining Age Group-specific Association between PM2.5 and Human Seasonal  
           | Influenza in 11 Study Sites in Taiwan  
           | Ying-Hen Hsieh, China Medical University, Taiwan |
| 16:10-16:40 | Title: Biodegradation of polyester polyurethane by Aspergillus tubingensis  
           | Sehroon Khan, Kunming Institute of Botany, CAS, China |
| 16:40-17:10 | Title: Development of control strategies for reduction of ambient PM2.5 levels: case  
           | study of Pune City, Maharashtra State, India  
           | Ramesh D Dod, MIT, India |

**Panel Discussion**
Day 2  October 06, 2017

09:00-09:30  Registrations

Wright

Sessions: Pollution | Air Pollution and Treatment | Light Pollution | Pollution and Health Effects | Pollution Control Technologies and Devices | Environmental Sustainability and Development | Waste Management and Treatment | Industrial Pollution | Solid Waste Disposal | Renewable Energy

Session Chair: Qi Qiao, Chinese Research Academy of Environmental Sciences, China

09:30-10:00  Title: Physico-chemical characteristics of airborne particulate matter in and around a mechanised opencast coal mine – a case study
D P Tripathy, National Institute of Technology, India

10:00-10:30  Title: Adsorption of malachite green dye by microalgae Scenedesmus sp. MCC26: kinetics and mechanistic aspects
Prakash Sarwa, Birla Institute of Technology and Science, India

Networking and Refreshments Break 10:30-10:50 @ Breakout Area

10:50-11:20  Title: Explorations of green development and transformation of China’s industrial agglomeration area
Qi Qiao, Chinese Research Academy of Environmental Sciences, China

11:20-11:50  Title: Synergy of cleaner production and end-of-pipe treatment of production system
Yanping Li, Chinese Research Academy of Environmental Sciences, China

11:50-12:20  Title: The new orientation of discharge permit system in the environmental management system
Zhao Ruonan, Chinese Research Academy of Environmental Sciences, China

Poster Presentations 12:20-12:50 @ Meeting Halls

PC-01  Title: Assessment of acetylcholinesterase activity, oxidative stress responses, and primary DNA damage in blood and brain tissue of chlorpyrifos-exposed rats
Ana Lucić Vrdoljak, Institute for Medical Research and Occupational Health, Croatia

PC-02  Title: Simulation of flocculation process of suspended solids
Regina Wardzyńska, University of Warmia and Mazury Olsztyn, Poland

PC-03  Title: Treatment of model wastewater by electrocoagulation – sludge analysis
Beata Załęska-Chróst, University of Warmia and Mazury Olsztyn, Poland

PC-04  Title: Selective removal of copper and nickel ions from acid mine drainage
Yelena Gordyatskaya, University of Chemistry and Technology, Czech Republic

PC-05  Title: Mechanism for arsenic-induced cytotoxicity in keratinocytes
Jin-Ho Chung, Seoul National University, Korea

Lunch Break 12:50-13:50 @ RBG

13:50-14:20  Title: Particulate matter monitoring – past, present and future
Pelumi W Oluwasanya, University of Cambridge, UK

14:20-14:50  Title: Using electrocoagulation to remove chloride and ammonium from reject brine treated by solvay process
Miada A Ali, UAE University, UAE

14:50-15:20  Title: An assessment of the impact of illegal dumping of waste material by fishermen and communities on riverine biodiversity on selected areas of the Eastern Cape province, South Africa
Mbanjwa Sibonelo Thanda, University of South Africa, South Africa

15:20-15:50  Title: Removal of heavy metal ions from aqueous solutions by using functionalised polymer adsorbents - mathematical modelling of adsorption process
Gabriela-Nicoleta Moroi, Petru Poni Institute of Macromolecular Chemistry, Romania

Networking and Refreshments Break 15:50-16:05 @ Breakout Area

16:05-16:35  Title: Green porogen adsorbent of modified pectin and its application as removal of Pb(II)
Budi Hastuti, Sebelas Maret University, Indonesia

16:35-17:05  Title: Xanthoria parietina as a biomonitor of airborne heavy metal pollution in forest sites in the North East of Morocco
El rhzaoui Ghita, Mohammed V University, Morocco

Awards & Closing Ceremony