Scientific Program



12th International Conference on

Pollution Control and Environmental Science

July 15-16, 2024 | Chicago, USA

Theme:

Global Challenges, Local Actions: Navigating Environmental Crises

DAY-1

July 15, 2024

07:45-08:00 Registrations

Opening Ceremony 08:00-08:20

KEYNOTE FORUM

08:20-08:30 **Introduction**

08:30-09:00 **Title: Geochemical modeling in solving some environmental problems: Pollution of mining regions, radioactive wastes storage**
Olga S Naymushina, The V.S. Sobolev Institute of Geology and Mineralogy of the Russian Academy of Sciences (IGM SB RAS), Russia

09:00-09:30 **Title: Traceability and linearisation of *in situ* fluorescence measurements using the new V-Lux sensor**
John Attridge, Chelsea Technologies Group Ltd, UK

09:30-10:00 **Title: A comparative study on mesoporous TiO_2 film deposited onto diverse glass substrates for photooxidation of acetaldehyde in gas phase**
Adel A Ismail, Kuwait Institute for Scientific Research, Kuwait

10:00-10:30 **Title: Key success factors for applying environmental management system and its role in pollution control**
Bassem Nassouhy Abdelrahman Attwan, Scientific Business Solutions Group of Companies, Egypt

Networking & Refreshments 10:30-10:50 @ Atrium Area

Sessions: Pollution | Pollution Control Technologies and Devices | Pollution & its Effects on Environment | Energy and Environment | Water Pollution and Treatment

Chair: Olga S Naymushina, The V.S. Sobolev Institute of Geology and Mineralogy of the Russian Academy of Sciences (IGM SB RAS), Russia
Co-Chair: Adel A Ismail, Kuwait Institute for Scientific Research, Kuwait

INTRODUCTION

10:50-11:10 **Title: The measurement of wildlife exposure to cadmium contributes to assess its contamination in the Hiroshima wide area urban districts and the human health**
Yumiko Nitta, Hiroshima Shudo University, Japan

11:10-11:30 **Title: The sanitary impact of air pollution in North Africa**
Mourad Terniche, CHU Mustapha, Algeria

11:30-11:50 **Title: Kinetic modelling of scrap tyre pyrolysis through the modified chemical percolation devolatilization (M-CPD)**
Vincent Tan, Monash University, Australia

11:50-12:10 **Title: Considering multi-level governance of groundwater – through the case study of nitrate-nitrogen pollution in Shimabara City, Japan**
Hironori Hamasaki, Nagasaki University, Japan

12:10-12:30 **Title: Performance evaluation of mechanical booster pump-assisted adsorption chiller cycle**
Tao Zeng, Nagoya University, Japan

GROUP PHOTO

Lunch Break 12:30-13:20 @ Orchard Restaurants

Sessions: Air Pollution and Treatment | Pollution and Health Effects | Human Impact on the Environment Waste Management and Treatment | Water and Climate Change

Chair: Adel A Ismail, Kuwait Institute for Scientific Research, Kuwait
Co-Chair: Rosalam Hj. Sarbatly, Universiti Malaysia Sabah, Malaysia

13:20-13:40 **Title: Hyperloop: The sustainable transportation**
Samroot Samreen Wani, TERI SAS, India

13:40-14:00 **Title: The prospect of water supply in rural areas: A case study of Sabah, Malaysia**
Farhana Abd Lahin, Universiti Malaysia Sabah, Malayasia

14:00-14:20 **Title: How night irrigation can contribute to sustainability? – The assessment through the case study in GAP region in Turkey**
Hironori Hamasaki, Nagasaki University, Japan

14:20-14:40 **Title: Removal of bisphenol A *via* novel 3D g-C_3N_4/HEC hydrogel photocatalysts: Adsorption and phtocatalytic degradation**
Xian Ruan, South China University of Technology, China

14:40-15:00 **Title: Solid waste management in the context of sustainable development**
Rahma Khalifa Al Riyami, Oman Environmental Services Holding Company (be'ah), Oman

15:00-15:20 **Title: Forest fire prevention through agricultural innovation in the ex-mega rice project area in Central Kalimantan**
Susilawati, Central Kalimantan of Asessment Institute for Agricultural Technology, Indonesia

15:20-15:40 **Title: Integrated water innovation**
Anna Poberezhna, Smart4tech, UK

15:40-16:00 **Title: Sustainability is cool**
Monika Poppy, Sustainability is Cool, UK

Networking & Refreshments 16:00-16:20 @ Atrium Area

16:20-16:40 **Title: Air pollutants and environmental causes in London's air quality**
Veronica Goncalves, UK

16:40-17:00	**Title: Air pollution a major factor in asthma predictability index among children living in and around Kolkata metropolis** **Jayati Das,** Shri Shikshayatan College and Jadavpur University, India
17:00-17:20	**Title: Source apportionment of the redox activity of urban fine particulate matter in Athens, Greece** **Constantinos Sioutas,** University of Southern California, USA
17:20-17:40	**Title: Separation and retention of some textile dyes in natural water employing polyurethane foams** **Ahmed Talaat Tawfik,** Dhafarah Region Municipality, UAE
17:40-18:00	**Title: Trends of hydroclimate variables in the upper Huai river basin** **Abel Girma,** Donghua University, China

Panel Discussion

DAY-2

July 16, 2024

POSTER PRESENTATIONS 11:00–12:00 @ MEETING ROOMS

Poster Judge: Olga S Naymushina, The V.S. Sobolev Institute of Geology and Mineralogy of the Russian Academy of Sciences (IGM SB RAS), Russia

PC-01	**Title: Estimation and comparison of brominated flame retardants levels based on dust loading and carbon contents in indoor dust** **Layla Salih Al Omran,** University of Basrah, Iraq
PC-02	**Title: Identification and characterization of Particulate Matter (PM) at an historical site and southern industrial area in Jeddah, Saudi Arabia** **Fahed Ayed N Aloufi,** University of Bristol, UK
PC-03	**Title: Usage of novel plant material for removal of lead (Pb) from wastewater** **Mohamed Abouleish,** American University of Sharjah, UAE
PC-04	**Title: The preparation of ZnO impregnated biochars from agrowaste for water remediation** **Jaroslav Lang,** VSB - Technical University of Ostrava, Czech Republic
PC-05	**Title: Sensitized zebrafish mutant lines for environmental screens generated by CRISPR-Cas9** **Viveca M Vélez Negrón,** University of Puerto Rico, Puerto Rico
PC-06	**Title: Catalytic conversion of furfural to tetrahydrofurfuryl alcohol over supported palladium nanoparticles under mild conditions** **Reem Albilali,** Imam Abdulrahman Bin Faisal University, Saudi Arabia

Networking Lunch 12:00-13:00 @ Orchard Restaurants

E POSTER PRESENTATIONS

Panel Discussion

SLOTS AVAILABLE

Awards & Closing Ceremony

CONTACT US

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