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

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| 16:40-17:00 | **Title: Air pollution a major factor in asthma predictability index among children living in and around Kolkata metropolis**<br>**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**<br>**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**<br>**Ahmed Talaat Tawfik,** Dhafarah Region Municipality, UAE |
| 17:40-18:00 | **Title: Trends of hydroclimate variables in the upper Huai river basin**<br>**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

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| PC-01 | **Title: Estimation and comparison of brominated flame retardants levels based on dust loading and carbon contents in indoor dust**<br>**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**<br>**Fahed Ayed N Aloufi,** University of Bristol, UK |
| PC-03 | **Title: Usage of novel plant material for removal of lead (Pb) from wastewater**<br>**Mohamed Abouleish,** American University of Sharjah, UAE |
| PC-04 | **Title: The preparation of ZnO impregnated biochars from agrowaste for water remediation**<br>**Jaroslav Lang,** VSB - Technical University of Ostrava, Czech Republic |
| PC-05 | **Title: Sensitized zebrafish mutant lines for environmental screens generated by CRISPR-Cas9**<br>**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**<br>**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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