

Scientific Program



13th International Conference on

Pollution Control and Environmental Science

September 11-12, 2025 Dubai, UAE

Theme:

Innovative Strategies for Pollution
Mitigation and Sustainable Development

DAY-1

September 11, 2025

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 TiO₂ 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, Malaysia
- 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-C₃N₄/HEC hydrogel photocatalysts: Adsorption and photocatalytic 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 Assessment 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

September 11, 2025

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

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Panel Discussion

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SLOTS AVAILABLE

Awards & Closing Ceremony

CONFERENCE HIGHLIGHTS

- Emerging Technologies in Pollution Control
- Climate Change and Its Mitigation
- Waste Management and Recycling
- Air Quality Management
- Sustainable Water Resources Management
- Biodiversity and Ecosystem Conservation
- Urban Sustainability and Green Cities
- Environmental Health and Toxicology
- Advances in Renewable Energy Systems
- Environmental Policy, Education, and Public Awareness
- Ocean Pollution and Marine Ecosystems
- Soil Health and Land Restoration
- Innovations in Environmental Biotechnology
- Renewable Materials and Sustainable Packaging
- Environmental Data and Digital Solutions
- Green Chemistry and Pollution Prevention
- Human Dimensions of Pollution
- Renewable Energy Policies and Market Trends
- Environmental Forensics and Pollution Tracking
- Forest Conservation and Carbon Sequestration