Joint Event

5th World Conference on

Climate Change

&

16th Annual Meeting on

Environmental Toxicology and Biological Systems

October 04-06, 2018 | London, UK
DAY-1
October 04, 2018
Meeting Hall: Bleroit 2

08:00-08:30 Registrations

Opening Ceremony

KEYNOTE FORUM

08:50-09:00 Introduction

09:00-09:30 Title: Towards a sustainable chemical future
Edwin J Routledge, Brunel University London, UK

09:30-10:00 Title: Functional neuron-specific endpoints for in vitro neurotoxicity testing
Manuela Marcoli, University of Genova, Italy

10:00-10:30 Title: Antarctic marine biodiversity and climate change
Simon A Morley, British Antarctic Survey, UK

10:30-11:00 Title: Too slow and too difficult? participatory governance as a lever for climate change adaptation
Carolyn (Tally) Palmer, Rhodes University, South Africa

Networking and Refreshment Break 11:00-11:20 @ Foyer

GROUP PHOTO @ 11:20 – 11:30

Sessions: Effective Adaptation | CO₂ Capture and Sequestration | Renewable Energy to Mitigate Climate Change | Sustainability & Climate Change

Chair: Paul Alexander Comet, Houston, USA
Co-Chair: Zhenghui Xie, Chinese Academy of Sciences, China

INTRODUCTION

11:30-11:50 Title: Hydrologic and climatic responses to global anthropogenic groundwater extraction
Zhenghui Xie, Chinese Academy of Sciences, China

11:50-12:10 Title: Potential glacial lake outburst flood (GLOF) in Santa Lucia village, Lake Region, Chile
Francisco Ferrando A, University of Chile, Chile

12:10-12:30 Title: Urban and architectural approaches for an effective climate change adaptation in Latin America
Irene Perez Lopez, Pan-American Observatory of Landscape, Territory and Architecture, Spain
12:30-12:50  
**Title:** The role of spatial analysis in avoiding climate change maladaptation—a systematic review  
**Chia-Fa Chi,** National Sun Yat-sen University, Taiwan

12:50-13:10  
**Title:** Exploring perceptions of local stakeholders on climate change adaptation in Central and Western Terai, Nepal  
**Shree Kumar Maharjan,** Hiroshima University, Japan

**Lunch Break 13:10-14:10 @ Hotel Restaurants**

14:10-14:30  
**Title:** A framework for achieving carbon-free society  
**Dai-Yeun Jeong,** Asia Climate Change Education Center, South Korea

14:30-14:50  
**Title:** Impacts of climate change on large-scale weather driven energy system design decisions for the 21st century  
**Kozarcanin Smail,** Aarhus University, Denmark

**Sessions:** Environmental Science | Toxicology | Toxicity testing

**Chair:** Manuela Marcoli, University of Genova, Italy  
**Co-Chair:** Edwin J Routledge, Brunel University London, UK

14:50-15:10  
**Title:** Directed evolution, biotechnology and in silico analysis of reaction centre proteins for microorganisms and biomimetic-based biosensors in environmental toxicity monitoring  
**Maria Teresa Giardi,** Biosensor Srl, Italy

15:10-15:30  
**Title:** Effects of aluminium salts and cyclic volatile methylsiloxanes on DNA damage and DNA repair in immortalised non-transformed human breast epithelial cells  
**Abdullah Mohammed O Farasani,** Jazan University, Saudi Arabia

15:30-15:50  
**Title:** Development of dispersive liquid-liquid microextraction procedure for trace determination of pesticide malathion in urine samples  
**Seyed Jamaeddin Shahtaheri,** Tehran University of Medical Sciences, Iran

**Networking and Refreshment Break 15:50-16:10 @ Foyer**

16:10-16:30  
**Title:** Unravelling the chemistry behind the toxic effects of refining wastewater: Characterization and remediation  
**Angela Pinzon-Espinosa,** Brunel University London, UK

16:30-16:50  
**Title:** Prediction of compounds’ toxicities and its applications  
**Jianhua YAO,** Chinese Academy of Sciences, China

16:50-17:10  
**Title:** Differences in PM$_{2.5}$ from various combusted materials  
**Fawei Yan,** Renmin University of China, China

17:10-17:30  
**Title:** Synthesis of heterogeneous catalyst for biodiesel production from cooking oil  
**Sadia Nasreen,** University of Engineering and Technology Taxila, Pakistan

**Panel Discussion**
DAY-2
October 05, 2018
Meeting Hall: Bleroit 2

KEYNOTE FORUM

Introduction

09:00-09:30
Title: Modelling mutational signatures of environmental carcinogens in cultured human cells
Volker M. Arlt, King’s College London, UK

09:30-10:00
Title: Arctic sea ice decline over the past 40 years
Jean-Claude Gascard, French National Center for Scientific Research, France

10:00-10:30
Title: Agricultural pesticide induced bone marrow aplastic anaemia and the hedgehog signaling scenario
Sujata Law, Calcutta School of Tropical Medicine, India

Networking and Refreshment Break 10:30-10:50 @ Foyer

Sessions: Risks of Climate Change | Evidence of Climate Change | Oceans & Climate Change | Climate Change Challenges | Solutions for Climate Change | Environmental Toxicology

Chair: Sara E Alexander, Baylor University, USA
Co-Chair: Zhenghui Xie, Chinese Academy of Sciences, China

INTRODUCTION

10:50-11:10
Title: Impacts of climate change on the incidence of morbidity
Rachida El Morabet, University Hassan II Casablanca, Morocco

11:10-11:30
Title: Climate warming shifts Indian monsoon season: Evidence from observation
Elena Surovyatkina, Potsdam Institute for Climate Impact Research, Germany

11:30-11:50
Title: Dioxins and furans emissions: Characteristics and strength
Anahit V Aleksandryan, Ministry of Nature Protection of Republic of Armenia, Armenia

11:50-12:10
Title: On aerosol-chemistry-cloud-climate interactions and entanglements
Rong-Ming Hu, National University of Ireland Galway, Ireland

12:10-12:30
Title: Recent shifts in continental shelf/slope oceanographic processes in the Northeastern United States
Glen Gawarkiewicz, Woods Hole Oceanographic Institution, USA
12:30-12:50  
**Title:** International cooperation for DPRK’s environmental restoration  
Hyun-Ah CHOI, Hanns Seidel Foundation Korea, Republic of Korea  

**Lunch Break 12:50-13:50 @ Hotel Restaurants**

13:50-14:10  
**Title:** The political ecology of ‘climate change’ in Texas: A steep learning curve for West Texas wheat farmers  
Sara E Alexander, Baylor University, USA

14:10-14:30  
**Title:** Managing agricultural water use with alternate wetting and drying (AWD): towards achieving Sustainable Development Goal 6  
Mohammad Alauddin, The University of Queensland, Australia

14:30-14:50  
**Title:** Waste, sustainability and money in controlling the carbon cycle and avoiding climate change  
Paul Alexander Comet, Houston, USA

14:50-15:10  
**Title:** Forest fires and social perception of the landscape: A study with Spanish population  
Jaime Senabre, University of Alicante, Spain

15:10-15:30  
**Title:** Development of sustainable aquaculture on the base of Sato-Umi to anticipate the environment and climate change in the coastal area of Indonesia  
Suhendar I Sachoemar, Agency for the Assessment and Application of Technology, Indonesia

**Networking and Refreshment Break 15:30-15:50 @ Foyer**

15:50-16:10  
**Title:** The energy-water-health nexus under climate change in the United Arab Emirates—impacts and implications  
William W Dougherty, Climate Change Research Group, USA

16:10-16:30  
**Title:** Steady shrinking of the Dead Sea as a result of climate change in the Eastern Mediterranean  
Pavel Kishcha, Tel Aviv University, Israel

**POSTER PRESENTATIONS @ 16:30 –17:30**

**Poster Judge:** William W Dougherty, Climate Change Research Group, USA

**WCCC-01**  
**Title:** Effect of steam injection into incinerator on thermal destruction of waste refrigerant (HFC-134a)  
Tae-in Ohm, Hanbat National University, South Korea

**WCCC-02**  
**Title:** A climate change vulnerability and capacity assessment (VCA) model for Caribbean Small Island Developing States (SIDS)  
Marium Alleyne, The University of the West Indies, Barbados

**WCCC-03**  
**Title:** Assessing climate-sensitive energy use under the current climate trajectory  
Andreas Andreou, University of Leeds, UK

**WCCC-04**  
**Title:** Landslide susceptibility models in Tumbes Peninsula, South-Central Chile coast (36°S)  
Pablo Lopez Filun, University of Bristol, UK

**WCCC-05**  
**Title:** Coastal erosion and storm: the new natural hazards in Chile  
Carolina Martinez, Pontifical Catholic University of Chile, Chile
Panel Discussion
Awards & Closing Ceremony

DAY-3

October 06, 2018

Networking