

Scientific Program



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 **08:30-08:50**

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 Jamaledin 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



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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



ETBS-06

Title: Testing for anti-androgenic activity; pitfalls and possible misinterpretations

Nicola Anne Beresford, Brunel University London, UK



ETBS-07

Title: Health risk assessment of chemical pollutants in an automobile manufacturing, Iran

Seyed Jamaledin Shahtaheri, Tehran University of Medical Sciences, Iran

WCCC-08

Title: Effects of composted sludge application on greenhouse gases emissions from paddy soil and heavy metals accumulation in soil and plant

Jing Ma, Chinese Academy of Sciences, China

Panel Discussion Awards & Closing Ceremony

DAY-3

October 06, 2018

Networking

