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*Scientific Program*

19<sup>th</sup> World Congress on

# **ANALYTICAL AND BIOANALYTICAL TECHNIQUES**

September 19-20, 2018 Singapore



**Hosting Organization: Conference Series LLC LTD**

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09:00-09:30 Registrations

Polaris I

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09:30-09:45

## Opening Ceremony

## Keynote Forum

09:45-10:00 Introduction

**Title: Ionic liquids as stationary phase in GC – An innovation for improving food, environmental and petrochemical analysis**

10:00-10:45

Frank Michel, Merck Group, Germany

**Title: Aspects of recent developments of smart multiway calibration methods coupled with LC-MS and LC-DAD in analytical chemistry**

10:45-11:30

Hai-Long WU, Hunan University, China

## Group Photo

Networking &amp; Refreshments Break: 11:30-11:50 @ Foyer

## Special Session

11:50-12:20

**Title: Elucidation of unknown pharmaceutical degradation products: Structures and pathways**

Kung-Tien Liu, Everlight Chemical Industrial Co., Taiwan

## Session:

Advance Analytical Technique | Advance Bio-analytical Techniques | Application of Analytical and Bioanalytical Techniques

## Session Introduction

Session Chair: Frank Michel, Merck Group, Germany

Session Chair: Hai-Long WU, Hunan University, China

12:20-12:50

**Title: A stable acetylcholinesterase biosensor based on Au nanorod @ SiO<sub>2</sub> core-shell nanoparticle doped chitosan-TiO<sub>2</sub> hydrogel for detecting organophosphate pesticides**

Hui-Fang Cui, Zhengzhou University, China

Lunch Break: 12:50-13:50 @ Food Exchange, Level 2

13:50-14:20

**Title: Electroanalytical methods of energy Storage and Conversion**

M V Reddy, National University of Singapore, Singapore

## Session:

Advancements in LC and MS | Analytical Technique for Separation | Innovation in Food Analysis & Testing

## Session Introduction

Session Chair: Frank Michel, Merck Group, Germany

Session Chair: Hai-Long WU, Hunan University, China

14:20-14:50

**Title: Metabolic analysis and transcriptomic response of Escherichia coli O157:H7 treated with electrolyzed water and mild heat**

Yang Hongshun, National University of Singapore, Singapore

14:50-15:20

**Title: HS-GCMS-SIM mode method template for identification of varieties of anionic, cationic and neutral surfactants as SIM-fingerprint-ID**

Chong Mun Hwa, Synthomer Plc, Malaysia

Networking &amp; Refreshments Break 15:20-15:40 @Foyer

15:40-16:10

**Title: Analysis of organochlorine residues in river Benue at Makurdi using gas chromatography coupled with electron capture detector**

Ogah Ekirigwe, Federal University, Nigeria

**16:10- 16:40** **Title: Determination of organochlorine pesticides in river benue at agatu using gas-chromatograph equipped with electron capture detector**  
Longbap Byencit Dinfa, Federal University, Nigeria

### Video Presentaion

**16:40-17:00** **Title: A comprehensive study of a new versatile device based liquid phase microextraction for stopped-flow and double-flow conditions in a single step**  
María Ramos Payán, University of Seville, Spain

### Poster Presentation

**17:00-17:15** **Title: MFDS's national laboratory system of food and nutrient: focus on quality control**  
Soo-Jung Hu, National Institute of Food and Drug Safety Evaluation, Korea

### Awards and Closing Ceremony

### Panel Discussion

**Day 2** **September 20, 2018**

**Polaris I**

### Keynote Forum

**09:30-10:15** **Title: Advances in ICP-MS: Clinical applications and human biomonitoring**  
Ciprian Mihai Cirtiu, National Institute of Public Health of Quebec (INSPQ), Canada

**10:15-11:15** **Title: Recent advances in sample preparation methods**  
Yingying Wen, Hainan Medical University, China

Networking & Refreshments Break: 11:15-11:30 @ Foyer

**11:30-12:15** **Title: Quantitative assay of metal impurities and pharmaceutical quality evaluation of multisource Levofloxacin tablets registered in Nigeria**  
Aderonke Adepoju-Bello, University of Lagos, Nigeria

**12:15-13:00** **Title: Validation of a tandem mass spectrometric method for direct analysis of free amino acids in rice**  
G V V Liyanaarachchi, University of Colombo, Sri Lanka

Lunch Break: 13:00-14:00 @ Food Exchange, Level 2

### Panel Discussion

### B2B Meetings

