Scientific Program

19th World Congress on

ANALYTICAL AND BIOANALYTICAL TECHNIQUES

September 19-20, 2018    Singapore
# Keynote Forum

<table>
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<tr>
<td>09:45-10:00</td>
<td><strong>Introduction</strong></td>
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| 10:00-10:45 | Title: Ionic liquids as stationary phase in GC – An innovation for improving food, environmental and petrochemical analysis  
  Frank Michel, Merck Group, Germany |
| 10:45-11:30 | Title: Aspects of recent developments of smart multiway calibration methods coupled with LC-MS and LC-DAD in analytical chemistry  
  Hai-Long WU, Hunan University, China |

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| 11:50-12:20 | Title: Elucidation of unknown pharmaceutical degradation products: Structures and pathways  
  Kung-Tien Liu, Everlight Chemical Industrial Co., Taiwan |

# Special Session

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

**Session Chair:** Frank Michel, Merck Group, Germany  
**Session Chair:** Hai-Long WU, Hunan University, China

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| 12:20-12:50 | Title: A stable acetylcholinesterase biosensor based on Au nanorod @ SiO₂ core-shell nanoparticle doped chitosan-TiO₂ hydrogel for detecting organophosphate pesticides  
  Hui-Fang Cui, Zhengzhou University, China |

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

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| 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 Chair:** Frank Michel, Merck Group, Germany  
**Session Chair:** Hai-Long WU, Hunan University, China

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| 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 & Refreshments Break 15:20-15:40 @ Foyer**

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| 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 |
Title: Determination of organochlorine pesticides in river benue at agatu using gas-chromatograph equipped with electron capture detector
Longbap Byencit Dinfra, Federal University, Nigeria

Video Presentation

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

Poster Presentation

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