Scientific Program

7th Global Congress on
MASS SPECTROMETRY AND CHROMATOGRAPHY

September 19-20, 2018  Singapore
### Keynote Forum

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

**Session:** Analytical Chemistry | Future Developments in Mass Spectrometry | Mass Spectrometry in Pharmaceutical Industry

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

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<tr>
<td>11:50-12:20</td>
<td><strong>Title:</strong> Elucidation of unknown pharmaceutical degradation products: Structures and pathways</td>
<td>Kung-Tien Liu, Everlight Chemical Industrial Co., Taiwan</td>
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<td>12:20-12:50</td>
<td><strong>Title:</strong> A stable acetylcholinesterase biosensor based on Au nanorod @ SiO₂ core-shell nanoparticle doped chitosan-TiO₂ hydrogel for detecting organophosphate pesticides</td>
<td>Hui-Fang Cui, Zhengzhou University, China</td>
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**Lunch Break:** 12:50-13:50 @ Food Exchange, Level 2

**Session:** Imaging Mass Spectrometry | Mass Spectrometry in Food Analysis | Gas Chromatography–Mass Spectrometry (GC-MS)

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

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<td>13:50-14:20</td>
<td><strong>Title:</strong> Electroanalytical methods of energy Storage and Conversion</td>
<td>M V Reddy, National University of Singapore, Singapore</td>
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<td>14:20-14:50</td>
<td><strong>Title:</strong> Metabolic analysis and transcriptomic response of Escherichia coli O157:H7 treated with electrolyzed water and mild heat</td>
<td>Yang Hongshun, National University of Singapore, Singapore</td>
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<td>14:50-15:20</td>
<td><strong>Title:</strong> HS-GCMS-SIM mode method template for identification of varieties of anionic, cationic and neutral surfactants as SIM-fingerprint-ID</td>
<td>Chong Mun Hwa, Synthomer Plc, Malaysia</td>
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**Networking & Refreshments Break 15:20-15:40 @ Foyer**

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<td>15:40-16:10</td>
<td><strong>Title:</strong> Analysis of organochlorine residues in river Benue at Makurdi using gas chromatography coupled with electron capture detector</td>
<td>Ogah Ekirigwe, Federal University, Nigeria</td>
</tr>
</tbody>
</table>
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 Presentation

16:00-17:00
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