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Scientific Program

7th Global Congress on

MASS SPECTROMETRY AND CHROMATOGRAPHY

September 19-20, 2018 Singapore



Hosting Organization: Conference Series LLC LTD

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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 & 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:

Analytical Chemistry | Future Developments in Mass Spectrometry | Mass Spectrometry in Pharmaceutical Industry

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 @ 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

13:50-14:20

Title: Electroanalytical methods of energy Storage and Conversion

M V Reddy, National University of Singapore, Singapore

Session:

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

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 & 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

