Scientific Program

9th International Conference and Expo on Separation Techniques

September 13-14, 2018 | Zurich, Switzerland

UK: Conference Series LLC LTD
47 Churchfield Road, London, W3 6AY
Toll Free: +0-800-014-8923
DAY-1
September 13, 2018
Meeting Hall: Berlin

08:30-09:30 Registrations

Opening Ceremony

KEYNOTE FORUM

09:50-10:00 Introduction

10:00-10:35 Title: Interfacial impedimetric biosensor
Terry Chilcott, University of Sydney, Australia

10:35-11:10 Title: New versatile and accurate experimental set up to characterize membranes for gas and
vapour separation processes
Giuseppe Firpo, University of Genova, Italy

GROUP PHOTO

Networking & Refreshments 11:10-11:25 @ Europa Foyer

11:25-12:00 Title: Valorization of Olive-waste cake aqueous extracts by tight ultrafiltration and nanofiltration
membranes
Conidi Carmela, ITM-CNR, Italy

12:00-12:35 Title: Dry and separation of fine lignite in pulsed fluidized bed system
Chenlong Duan, China University of Mining and Technology, China

12:35-13:10 Title: Change refinery gasoline economics by breakthrough smart technologies: RHT- alkylation
and RHT-iso-octene and iso-octane technology: Advances in alkylation technology
Amarjit Bakshi, Refining Hydrocarbon Technologies LLC, USA

Lunch Break 13:10-14:00 @ La Place AB

Sessions: Novel Separation Techniques in Chemistry | Separation Methods and Techniques | Applications of
Separation Techniques | Separation Processes in Chemical Engineering

Chair: Chenlong Duan, China University of Mining and Technology, China
Co-Chair: Conidi Carmela, ITM-CNR, Italy

INTRODUCTION

14:00-14:25 Title: The relationship between the acoustic-cavitation bubbles' behavior and the fluctuating
motion of particles spherically flocculated by 20-kHz-ultrasound irradiation in water
Hiroya Muramatsu, Shizuoka University, Japan
14:25-14:50 Title: Isolation of polyphenols from wastes produced by wine industry
Martin Topiar, Institute of Chemical Process Fundamentals of the CAS, Czech Republic

14:50-15:15 Title: DC-SP-ETVS-Dynamic characteristics and screening performance of an equal-thickness vibrating screen
Jinpeng Qiao, China University of Mining and Technology, China

15:15-15:40 Title: F-PDFB- fine coal beneficination by pulsed dense-phase fluidized bed
Xuchen Fan, China University of Mining and Technology, China

Networking & Refreshments 15:40-15:55 @ Europa Foyer

15:55-16:20 Title: Optimization study for preparation of activated carbon from Iraqi date palm fronds using response surface methodology on removal of phenolic compounds from aqueous solution
Jasim M Salman, Al-Nisour University College, Iraq

16:20-16:45 Title: Asymmetric Solid Polysulphone (PSF) membranes for Ultrafiltration (UF) processes in the industrial grade wastewaters purification field
A Saccà, ITAE - National Research Council of Italy, Italy

16:45-17:10 Title: Bat inspired algorithm with the aid of artificial neural networks for optimization of tartrazine adsorption onto polypyrrole/SrFe$_{12}$O$_{19}$/graphene oxide nanocomposite
Maryam Sayah, Islamic Azad University, Iran

VIDEO PRESENTATION

17:10-17:30 Title: Forensic crime detection based on separation techniques: Recent problems and new insight to investigation
Rakhi Khanna, Regional Forensic Science Laboratory, India

Panel Discussion

DAY-2
September 14, 2018
Meeting Hall: Berlin

KEYNOTE FORUM

09:50-10:00 Introduction

10:00-10:35 Title: Analytical and bioanalytical techniques
Pawan Saharan, Biomix Network INC., India

10:35-11:10 Title: Modern information technology in petrochemistry
Zhangisina Gulnur Davletzhanozova, International Academy of Informatization, Kazakhstan

Networking & Refreshments 11:10-11:25 @ Europa Foyer
Special Session

11:25-12:25

Title: Enhanced membrane distillation performance of PDMS/PVDF hollow fiber composite membrane for phenols removal from coal gasification wastewater
Jie Yao, National Engineering Center of Urban Water Resources, China
Hao Sun, Harbin Institute of Technology, China

Sessions: Membrane Technology in Separation Processes | Applications of Separation Techniques | Analytical and Bioanalytical Techniques | Water Desalination

Chair: Zhenfu Luo, University of Mining and Technology, China
Co-Chair: Giuseppe Firpo, University of Genova, Italy

Introduction

12:25-13:00

Title: An overview of renewable fuels ethanol from cellulose and bio-diesel from conventional/algae feed status and economic options for ETBE
Amarjit Bakshi, Refining Hydrocarbon Technologies LLC, USA

Lunch Break 13:00-14:00 @ La Place AB

14:00-14:25

Title: An innovative solid particle separation-classification process in a liquid-solid multiphase system by using 20-kHz ultrasound: The relationship between particle flocculation patterns and gases concentration in water
Takayuki Saito, Research Institute of Green Science and Technology - Shizuoka University, Japan

Title: In situ physicochemical and electrochemical characterizations of membrane compaction, desalination and calcium fouling
Terry Chilcott, University of New South Wales, Australia

Poster Presentations 14:50-15:30 @ Europa Foyer

ST01
Title: DBSV FB – Density based separation of fine coal in a vibrated fluidized bed using Geldart B magnetite powder
Yadong Zhang, China University of Mining and Technology, China

ST02
Title: Experimental study on dry separation of fine coal
Bo Lv, China University of Mining and Technology, China
Zhenfu Luo, China University of Mining and Technology, China

ST03
Title: Pyrite magnetic strengthen and magnetic separation desulfurization of fine coal based on microwave energy
Bo Zhang, China University of Mining & Technology, China

ST04
Title: Application of polypyrrole-based stir bar sorptive extraction in combination with ion mobility spectrometry for the determination of chlorpyrifos in water and fruit samples
Mansoureh Kermani, Isfahan University of Technology, Iran

ST05
Title: Solvent extraction kinetics of silver with methyl ketonic p-tert-octylcalix[4]arene in the modified lewis cell
Jee Young Kim, Kosin University, South Korea
ST06  
**Title:** Retention characteristics of bismuth (III) from aqueous media using 1,10-phenanthroline impregnated polyurethane foam sorbent: Kinetic and thermodynamic study  
Hassan Alwael, King Abdulaziz University, Saudi Arabia

ST07  
**Title:** Microwave heating technology applied to sea ice desalination methods  
Wei Tang, Beijing Normal University, China

ST08  
**Title:** E-BABE-Preparation of monomers and polymers containing a hypolipidemic drug, Urazin  
whit a urea pendant group  
Amir Joorbonian, Shahrood University of Technology, Iran

**Networking & Refreshments 15:30-15:45 @ Europa Foyer**

**PANEL DISCUSSION**

**Awards & Closing Ceremony**