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1985th Conference



Scientific Program

9th International Conference and Expo on

Separation Techniques

September 13-14, 2018 | Zurich, Switzerland

UK: Conference Series Ilc 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 **09:30-09:50**

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 beneficiation 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/SrFe₁₂O₁₉/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

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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 Davletzhanovna, 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

- 14:25-14:50** **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

Poster Judge: Pawan Saharan, Biomix Network INC., India

- 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

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Awards & Closing Ceremony

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10th International Conference and Expo on
Separation Techniques

October 14-15, 2019 | London, UK

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