EuroSciCon

7th Edition of International Conference and Exhibition on

Separation Techniques



July 05-07, 2018

Berlin, Germany

EuroSciCon

Separation Techniques - 2018

Agenda Day 1: July 05, 2018

Sylt 4-5

08:30-09:30 **Registrations**

09:30-09:50 Opening Ceremony

Keynote Forum

09:50-10:00 Introduction

10:00-10:30 **Title: Development of high-throughput and high sensitivity capillary gel electrophoresis platform method for western, eastern, and venezuelan equine encephalitis virus like particles purity determination and characterization**

Jonathan W Cooper, National Institute of Health, USA

10:30-11:00 **Title: A novel integrated system combining MBR and worm-fixing bed for simultaneous sewage treatment, sludge reduction and membrane fouling mitigation**

Jun Zhang, Harbin Institute of Technology, China

Networking & Refreshment Break 11:00-11:15 @ Sylt Foyer

Session Introduction

Sessions: Recent Developments in Separation Techniques | Recent Upgrades in Sample Preparation Process | Chromatography | Desalination & Wastewater Treatment Techniques | Separation techniques in Environmental Chemistry

Session Chair: Martin Schimpf, Boise State University, USA

Session Co-Chair: Fawzi Banat, Khalifa University, UAE

11:15-11:40 **Title: In-situ studies of thin-film composite reverse osmosis membranes with small-angle neutron scattering during the process of desalination**

Dietmar Schwahn, Technische Universität München TUM, Germany

11:40-12:05 **Title: The role of equilibrium in separation of polymers by SEC**

Miloš Netopilík, Institute of Macromolecular Chemistry AS CR, Czech Republic

12:05-12:30 **Title: Separation and preconcentration of Au and Ag from waste electrical and electronic equipment in HR CS ETAAS analysis**

Olga Dalnova, National University of Science and Technology NUST MISiS, Russia

12:30-12:55 **Title: Determination and excrete of precious and ecotoxical elements in metal wastes, approach and implementation for the areal control**

Vasilina Eskina, National University of Science and Technology NUST MISiS, Russia

Group Photo 13:00- 13:10

Lunch Break 12:55-13:55 @ Restaurant Rienäcker

13:55-14:20	**Title: A approach for untarget to target metabolomics for different bio-samples** Jinlan Zhang, Institute of Materia Medica CAMS & PUMC, China
14:20-14:45	**Title: Integrated MFC-MBR system for wastewater treatment and membrane fouling mitigation** Jun Zhang, Harbin Institute of Technology, China
14:45-15:10	**Title: MnO_2 stucture induced surface charge effect on the performance of capacitive deionization in different pH** Su Xu, National Tsing Hua University, Taiwan
15:10-15:35	**Title: Green extraction techniques for separation and enrichment of traces analyte ions in water, food and environmental samples** Mustafa Tuzen, Gaziosmanpasa University, Turkey

Networking & Refreshment Break 15:35-15:50 @ Sylt Foyer

15:50-16:15	**Title: A simple pre-column derivatization method for the determination of Mancozeb technical (fungicide) by reverse phase HPLC-UV** Devender Thayar Seshadri, Indofil Industries Limited, India
16:15-16:40	**Title: Separation techniques used by chemist for getting pure compounds** Kaurav Manvendra Singh, Jiwaji University, India
16:40-17:05	**Title: A simple pre-column derivatization method for the determination of Mancozeb technical (fungicide) by reverse phase HPLC-UV** Narendra Hanumanta Petha, Indofil Industries Limited, India

Agenda Day 2: July 06, 2018

Sylt 4-5

Keynote Forum

10:00-10:30	**Title: Enabling innovative process solutions with tight nanofiltration ceramic membranes** Tracy Bantegui, Cerahelix Inc, USA
10:30-11:00	**Title: Novel surfactant modified porous graphitic carbon: An effective and sustainable adsorbent for organic dye removal** Fawzi Banat, Khalifa University, UAE

Networking & Refreshment Break 11:00-11:15 @ Sylt Foyer

Session Introduction

Sessions: Analytical Chemistry | Mass Spectrometry | Spectroscopic Methods in Separation Techniques | Separation Techniques and Applications | Membrane Separation Techniques

Session Chair: Jonathan W Cooper, National Institue of Health, USA
Session Co-Chair: Miloš Netopilík, Institute of Macromolecular Chemistry AS CR, Czech Republic

11:15-11:40	**Title: Scaling of calcium and barium sulfates on ion exchange membranes during donnan exchange and electrodialysis** Yoram Oren, Ben-Gurion University of the Negev, Israel
11.40-12:05	**Title: A microfluidic tool for the investigation of liquid-liquid extraction kinetics** Axel Vansteene, Université Pierre et Marie Curie UPMC, France
12:05-12.30	**Title: New bioactive metabolites from Daucus virgatus (Apiaceae) growing in Tunisia** Saoussen Hammami, Monastir University, Tunisia

Lunch Break 12:30-13:00 @ Restaurant Rienäcker

Poster Presentations 13:00-13:30 @ Sylt Foyer

Poster Judge: Douglas E Gladstone, Johns Hopkins University, USA

SEPTQP001	**Title: Dual-channel GC×GC-FID for routine TPH analyses** Ruslan Dedishov, Markes International GmbH, Germany
SEPTQP002	**Title: Aroma profiling of pet food using high-capacity sorptive extraction and TD–GC×GC–TOF MS** Ruslan Dedishov, Markes International GmbH, Germany
SEPTQP003	**Title: Profile proteins/peptides composition in zein excipient by silver staining SDS-PAGE and LC-MS/MS** Menglin Li, Institute of Materia Medica CAMS & PUMC, China
SEPTQP004	**Title: A novel strategy to rapid characterization and quantification of commercial polysorbate 80 by high performance liquid chromatography with quadrupole time-of-flight mass spectrometry and computer-aided data analysis** Zhe Wang, Institute of Materia Medica CAMS & PUMC, China
SEPTQP005	**Title: A novel UPLC/MS/MS method for comprehensive profiling and quantification of fatty acid esters of hydroxy fatty acids in white adipose tissue** Ting Hu, Institute of Materia Medica CAMS & PUMC, China

Networking & Refreshment Break 13:30-13:45 @ Sylt Foyer

SEPTQP006	**Title: Determination of cyaniding 3-glucoside in rat plasma using LC-MS/MS and its application to a pharmacokinetic study of aronia extracts** Soon Uk Chae, The Catholic University of Korea, South Korea
SEPTQP007	**Title: Quantitation of spinosin in mouse plasma by liquid chromatography tandem mass spectrometry and its application to a pharmacokinetic study** Chae Bin Lee, The Catholic University of Korea, South Korea
SEPTQP008	**Title: Arsenic speciation by using new syntheses polymeric material and solid phase microextraction and its graphite furnace atomic absorption spectrometric determination** Mustafa Tuzen, Gaziosmanpasa University, Turkey
SEPTQP009	**Title: Stereoselective high-performance liquid chromatographic (HPLC) method** Aymen al-suwailem, King Saud University, Saudi Arabia
SEPTQP010	**Title: 1-Buthyl - 3- methyl imidazolium hydrogen sulfate ionic liquid as an efficient and reusable catalyst for the synthesis of 5-substituted 1H-tetrazoles** Abbas Amini Manesh, Payame Noor University, Iran

Agenda Day 3: July 07, 2018

Sylt 4-5

Keynote Forum

10:00-10:30	**Title: Theoretical models applied on size exclusion chromatography** Miloš Netopilík, Institute of Macromolecular Chemistry AS CR, Czech Republic

10:30-11:00

Title: A fast and simple Dynamic separation method for minor-adjustments of the retention of peptides in RPLC-Exposing Regular" and "Irregular" Samples

Xindu Geng, Institute of Modern Separation of Science Northwest University, China

Networking & Refreshment Break 11:00-11:15 @ Sylt Foyer

Session Introduction

Sessions: Separation Techniques in Clinical / Pharmaceutical Chemistry | Separation Techniques in Chemical Engineering | New instrumentation and Multidimensional Separations | Separation Techniques in Organic Chemistry | Separation Techniques used in Nanotechnology

Session Chair: Tracy Bantegui, Cerahelix Inc, USA

Session Co-Chair: Martin Schimpf, Boise State University, USA

11:15-11:40

Title: Development and application of technologies for sodium chloride solution preparation from concentrated seawater by membrane

Junsheng Yuan, Hebei University of Technology, China

11.40-12:05

Title: Thorough CO_2 capture and conversion by accelerated mineral carbonation processes with Ca2+, Mg2+//Cl- system

Yingying Zhao, Hebei University of Technology, China

Networking and Lunch

Award & Closing Ceremony

