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: Microfluidic devices: Electromembrane extraction or liquid phase microextraction?** María Ramos Payán, University of Sevilla, Spain

12:30-12:55	**Title: New bioactive metabolites from *Daucus virgatus* (Apiaceae) growing in Tunisia** Saoussen Hammami, Monastir University, Tunisia

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

Poster Presentations 13:55-14:25 @ Sylt Foyer

Poster Judge: Martin Schimpf, Boise State University, USA

SEPTQP001	**Title: Dual-channel GC×GC-FID for routine TPH analyses** Ruslan Dedishov, SepSolve Analytical, United Kingdom
SEPTQP002	**Title: Aroma profiling of pet food using high-capacity sorptive extraction and TD–GC×GC–TOF MS** Ruslan Dedishov, SepSolve Analytical, United Kingdom
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 13:30-14:00 @ Sylt Foyer

Poster Presentations 14:40-15:10 @ 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 Ca^{2+}, Mg^{2+}//Cl^- system

Yingying Zhao, Hebei University of Technology, China

Lunch Break 12:05-13:05 @ Restaurant Rienäcker

Award & Closing Ceremony

