

5th International Conference and Expo on

SEPARATION TECHNIQUES

October 23-25, 2017 | Paris, France



Conference Series-America

One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA
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Conference Series-UK

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Opening Ceremony

Keynote Forum

09:15-09:20 **Introduction**

Title: Pseudopeptide-polymer bioconjugates as additives for CO₂ separation membranes

09:20-9:50

Anne Jonquieres, University of Lorraine, France

09:50-10:20

Title: High-Flux Separation of Oil from Emulsions Using Bi-Functional Large-Pore Filters

Guojun Liu, Queen's University, Canada

Group Photo

Networking and Refreshments Break 10:20-10:40 @ Foyer

Sessions: Membrane technology in separation processes | Novel separation techniques in chemistry
Emerging separation technologies | Chromatography as a Separation Technique | Hyphenated
Techniques

Session Chair: Guojun Liu, Queen's University, Canada

Session Co-chair: Xin-Xiang Zhang, Peking University, China

Session Introduction

10:40-11:00 **Title: The dependence on thickness of permeability and its influence on gas separations of flat and corrugated polymer membranes**

Giuseppe Firpo, University of Genova, Italy

11:00-11:20

Title: Development and application of high-performance ion conducting membrane for vanadium flow battery

Huamin Zhang, DICP, Chinese Academy of Sciences, China

11:20-11:40

Title: Membrane & Distillation Processes Integration to Achieve Maximum Recovery

Muhammad Wakil Shahzad, KAUST, Saudi Arabia

11:40-12:00

Title: Quantum sieving for separation of hydrogen isotopes using MOFs

Hyunchul Oh, Gyeongnam National University of Science and Technology (GNTECH), S. Korea

12:00-12:20

Title: Predicting mass fluxes in the pervaporation process of alcohols dehydration using Maxwell-Stefan diffusion coefficients

Andrzej Kubaczka, Opole University, Poland

12:20-12:40

Title: Simultaneous separation of H₂S and CO₂ from biogas by gas-liquid membrane contactor using single and mixed absorbents

Pengrui Jin, Chongqing University School of Resources and Environmental Science, China

12:40-13:00

Title: Synthesis and gas transport properties of substituted bicyclic dihydride-based polyimides

Mahmoud A. Abdulhamid, King Abdullah University of Science and Technology, Saudi Arabia

Lunch Break 13:00-14:00 @ Restaurant

14:00-14:20

Title: Novel techniques for predicting human intestinal absorption

Dina Shokry, University of Huddersfield, UK

14:20-14:40

Title: A presumable mechanism of the separation of diastereomeric- and enantiomeric mixtures

Emese Pálóvics, Budapest University of Technology and Economics, Hungary

14:40-15:00

Title: Process integration of expanded-bed adsorption with mixed-mode chromatography for protein separation

Dong-Qiang Lin, Zhejiang University, China

15:00-15:20 Title: **Women, trauma and alcohol dependency: Connections and disconnections in alcohol treatment for women**

Deanna L Mulvihill, TLI Foundation, USA

15:20-15:40 Title: **Quantification of capsaicinoids by reverse phase ultra performance liquid chromatography**

Jarintzi Yared Rico Ruiz, Nutec Group, Mexico

Networking and Refreshments Break 15:40 -16:00 @ Foyer

16:00-16:20 Title: **Glycan Profiling with new developed labelling reagent by LC-MS and sheathless interfaced CESI-MS/MS**

Xin-Xiang Zhang, Peking University, China

16:20-16:40 Title: **Computer study of the chromatographic separation process: Separation of linear and branched polymer chains**

Karel Procházka, Charles University in Prague, Czech Republic

Panel Discussion

Day 2 October 24, 2017

Madrid+lisbonne

Keynote Forum

09:30-10:00 Title: **The role of green solvents in purification of fuels**

Aleksandra Sander, University of Zagreb, Croatia

Sessions: Advancements in Sample Preparation Techniques | Separation Processes in Chemical Engineering | Applications of Separation Techniques

Session Chair: Hyunchul Oh, Gyeongnam National University of Science and Technology(GNTECH), S. Korea

Session Co-Chair: Emese Pálovics, Budapest University of Technology and Economics, Hungary

Session Introduction

10:00-10:20 Title: **COSWEET™: A new process to reach very high cos specification on natural gas treatment combined with selective H₂S removal**

David Chiche, IFP Energies Nouvelles, France

Networking and Refreshments Break 10:20-10:40 @ Foyer

10:40-11:00 Title: **Supercritical carbon dioxide extraction processes development**

Danielle Barth, University of Lorraine, France

11:00-11:20 Title: **Separation by extraction of oil from palm kernel nut - Elaeis guineensis using two local methods in Nigeria and the characterization of the oil obtained**

Margaret C Enedoh, Imo State University, Nigeria

11:20-11:40 Title: **Fractionation of total petroleum hydrocarbons in soil by SPE-GC for toxicity studies to Eisenia fetida**

Maria Vilma Faustorilla, University of South Australia, Australia

11:40-12:00 Title: **Clean desalination using reverse osmosis system providing pressure by energy harvesting from ocean waves**

Rouhollah Ahmadi, Iran University of Science & Technology, Iran

12:00-12:20 Title: **Optimization of solid phase microextraction procedure followed by GC-ECD for pesticides butachlor and chlorpyrifos**

Seyed Jamaledin Shahtaheri, Tehran University of Medical Sciences, Iran

12:20-12:40 Title: **Extractive separation of vanadium (V) and molybdenum (VI) from simulated 6M HCl solution with trioctyl phosphine oxide (TOPO)**

James O. OJo, Federal University of Technology, Nigeria

12:40-13:00 Title: **Multivariate optimization by central composite design (CCD) of a low density solvent based solvent terminated dispersive liquid liquid microextraction (ST-DLLME) combined with GC-FID for determination of acrylamide in water samples**

Maryam Sayah, Islamic Azad University, Iran

13:00-13:20	Title: Membrane technology for H₂ separation Adolfo Iulianelli, Institute on Membrane Technology of the Italian National Research Council, Italy
Lunch Break 13:20-14:20 @ Restaurant	
Poster Presentations 14:20-15:20 @ Meeting room	
Poster Judge: Guojun Liu, Queen's University, Canada	
Poster Judge: Anne Jonquieres, University of Lorraine, France	
ST-001	Title: Antiproliferative efficacy of photodynamic therapy with fractions and isolated compounds of Sinningia magnifica (Gesneriaceae) Alessandra F. Serain, State University of Campinas (UNICAMP), Brazil
ST-002	Title: Preliminary study on polysulphone (PSF) membranes employed in separation processes for wastewaters purification application Ada Saccà, National Research Council of Italy, Italy
ST-003	Title: Preparation of a novel dibenzylamide derivative of p-tert-Octylcalix[4]arene and investigation its solvent extraction behavior of precious metal ions Jee Young Kim, Kosin University, South Korea
ST-004	Title: Fine dust and BTEX removal using hanji cellulose filter impregnated with powdered activated carbon Kwang-Soo Kim, KICT and UST, Korea
ST-005	Title: Analysis of highly cationic cell-penetrating peptides by hyphenated HPLC methods Malene V. Christensen, University of Copenhagen, Denmark
ST-006	Title: Hollow-fibre supported liquid membrane microextraction and voltammetric determination of neuroblastoma biomarker vanillylmandelic acid Vojtech Hrdlicka, Charles University in Prague, Czech Republic
ST-007	Title: The investigation on the preparation and performance of highly selective and conductive porous ion conducting membranes for vanadium flow battery Wenjing Lu, Chinese Academy of Sciences, China
ST-008	Title: MIL-101 (Fe) functionalized Fe₃O₄@polydopamine magnetic microspheres for extraction of sulfonylurea herbicides in environmental water and vegetable samples Yi Yang, Beijing University of Chemical Technology, China
ST-009	Title: Modified silver electrode using carbon nanotubes as a cyanide detector in the differential electrolytic potentiometry Mousa Y. Amayreh, King Fahd University of Petroleum and Minerals, Saudi Arabia
ST-010	Title: Actinium removal from rare earths concentrate produced by processing of uranium ore Sergey V. Kirillov, Ural Federal University, Russia
Networking and Refreshments Break 15:20-15:40 @ Foyer	
Panel Discussion	
Award Ceremony	
Day 3 October 25, 2017	
Networking and Lunch Break 12:30-14:00 @ Restaurant	

Bookmark your dates

9th International Conference and Expo on

SEPARATION TECHNIQUES

September 13-14, 2018 | Zurich, Switzerland

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