Day 1  September 26, 2016

08:30-08:45  Registrations

Melia Meeting 1+2

08:45-09:15 Opening Ceremony

Keynote Forum

09:15-09:40  Title: Towards hollow fibers automotive catalytic converters: effect of carbon on the NO abatement efficiency of Cu decorated C/Al₂O₃ porous hollow fibers
Leon Gradon, Warsaw University of Technology, Poland

09:40-10:05  Title: Liquid chromatography of block copolymers
Dusan Berek, Slovak Academy of Sciences, Slovakia

10:05-10:30  Title: Composites of polyamides and nanoparticles for dispersive micro-solid phase extraction
Rafael Lucena Rodriguez, University of Cordoba, Spain

Panel Discussion

Group Photo

Networking and Refreshment Break 10:30-10:45 @ Foyer Business Center

Session: Applications of Separation Techniques

Session Chair: Morten Lykkegaard Christensen, Aalborg University, Denmark
Session Co-Chair: Chun-Yi Chen, Tokyo Institute of Technology, Japan

Session Introduction

10:45-11:05  Title: Performance of the deep bed filter at its loading with particles and microorganisms
Leon Gradon, Warsaw University of Technology, Poland

11:05-11:25  Title: Impact of sludge properties on solid-liquid separation of activated sludge
Morten Lykkegaard Christensen, Aalborg University, Denmark

11:25-12:45  Title: Nanofiltration for the separation of polivalent and monovalent ions in high saline solutions
Raquel Ibanez Mendizabal, University of Cantabria, Spain

12:45-13:05  Title: Identification of inhibitors of the Fe-2OG dependent oxygenases by capillary electrophoresis with laser-induced fluorescence
Svetlana M. Krylova, York University, Canada

13:05-13:25  Title: Separation of heath compounds in Goji (Lyceum barbarum) aqueous extracts by membrane technology
Conidi Carmela, University of Calabria, Italy

Lunch Break 13:25-14:10 @ Restaurant Aqua

Sessions: Emerging separation technologies

Session Chair: Leon Gradon, Warsaw University of Technology, Poland
Session Co-Chair: Sandrine Ricote, Colorado School of Mines, USA

Session Introduction

14:10-14:30  Title: Understanding and predicting industrial membranes performances in separation technology
Helene Marie, Dow Benelux BV, Netherland

14:30-14:50  Title: Influence of coal power plant exhaust gas on the structure and performance of ceramic nanostructured gas separation membranes
Kai Wilkner, Forschungszentrum Julich, Germany

14:50-15:10  Title: A simple, accurate, time-saving and green method for the determination of 15 sulfonamides and metabolites in serum samples by ultra-high performance supercritical fluid chromatography
Feng Zhang, Chinese Academy of Inspection & Quarantine, China

15:10-15:30  Title: Protonic ceramic membranes under asymmetric steam atmosphere
Sandrine Ricote, Colorado School of Mines, USA

Networking and Refreshment Break 15:30-15:45 @ Foyer Business Center
15:45-16:05 Title: Separation science that's built for biopharma
Robert van Ling, Thermo Fisher Scientific, Netherlands
Title: Removal of divalent heavy-metal ions from aqueous solutions by adsorption process with titanium dioxide nanowires
Snežana Maletic, University of Novi Sad, Republic of Serbia
Title: Development of a liquid-liquid extraction method of resveratrol from cell culture media using solubility parameters
Mohamad Houssam Al balkhi, Universite de Picardie Jules Verne, France
Title: Highly selective sieving in porous graphene-like carbon nitride for helium/light isotopes separation
Qu Yuanyuan, Shandong University, China
16:05-16:25 Title: Removal of divalent heavy-metal ions from aqueous solutions by adsorption process with titanium dioxide nanowires
Snežana Maletic, University of Novi Sad, Republic of Serbia
Title: Development of a liquid-liquid extraction method of resveratrol from cell culture media using solubility parameters
Mohamad Houssam Al balkhi, Universite de Picardie Jules Verne, France
Title: Highly selective sieving in porous graphene-like carbon nitride for helium/light isotopes separation
Qu Yuanyuan, Shandong University, China
17:05-17:25 Title: 2D crystal-based membranes for photocatalysis and separation
Yuyoung Shin, University of Manchester, UK

Panel Discussion
Day 2 September 27, 2016
Melia Meeting 1+2

Keynote Forum

09:05-09:30 Title: Analysis of the transport of the individual gas mixture components in polymers of intrinsic microporosity and PIM-based mixed matrix membranes
Johannes Carolus Jansen, CNR-ITM, Italy
09:30-09:55 Title: An overview about inorganic membrane technology application in the field of hydrogen generation and purification
Adolfo Iulianelli, CNR-ITM, Italy
09:55-10:20 Title: Kinetic separation with MS detection: a “Swiss Army Knife” in selection and characterization of drug leads
Sergey N Krylov, York University, Canada
10:20-10:45 Title: Can carbon nanomaterials revolutionize membrane separation for water treatment and desalination?
Muataz Ali Atieh, Hamad Bin khalifa University, Qatar

Networking and Refreshment Break 10:45-11:00 @ Foyer Business Center

Session: Novel separation techniques in chemistry
Session Chair: Rafael Lucena Rodriguez, University of Cordoba, Spain
Session Co-Chair: Tso-Fu Mark Chang, Tokyo Institute of Technology, Yokohama, Japan

Session Introduction
Title: High strength Au film fabricated by advanced electrochemical technique in supercritical CO$_2$
Chun-Yi Chen, Tokyo Institute of Technology, Yokohama, Japan
Title: Next generation clarification for processing high density cell culture fluids supplemented with a flocculating agent
Sladjana Tomic-Skrbic, Merck KGaA, Germany
Title: Separation of chiral nanotubes with an opposite handedness by oligopeptide adsorption: A molecular dynamics study
Giuseppina Raffaini, Politecnico di Milano, Italy
12:00-12:20 Title: Integrating extraction and stirring in microextraction techniques
Rafael Lucena Rodriguez, University of Cordoba, Spain
Title: Nanoscale wiring by Cu electrodeposition in supercritical CO$_2$ emulsified electrolyte with continuous-flow reaction system
Masato Sone, Tokyo Institute of Technology, Japan
Title: Arsenic speciation in edible marine algae: presence of water and lipid-soluble arsenic compounds
Sara Garcia-Salgado, Universidad Politecnica de Madrid, Spain

Lunch Break 13:00-13:45 @ Restaurant Aqua

Session: Separation Processes in Chemical Engineering
Session Chair: Masato Sone, Tokyo Institute of Technology, Japan
Session Co-Chair: Adolfo Iulianelli, CNR-ITM, Italy
13:45-14:05  
**Title:** Fabrication of Pt metallization on silk via supercritical carbon oxide-assisted electroless plating for wearable medical devices  
**Presenter:** Wan-Ting Chiu, Tokyo Institute of Technology, Japan

14:05-14:25  
**Title:** Pervaporative removal of polyaromatic hydrocarbons from model diesel composition using a fabricated polyimide membrane and process optimization  
**Presenter:** Debabrati Mitra, University of Calcutta, India

14:25-14:45  
**Title:** Pd-alloy supported membranes: hydrogen separation/purification and membrane reactor applications  
**Presenter:** Adolfo Iulianelli, CNR-ITM, Italy

14:45-15:05  
**Title:** Effect of pressure on crystal structure of metal oxides formed in supercritical CO\textsubscript{2} emulsified solution  
**Presenter:** Tso-Fu Mark Chang, Tokyo Institute of Technology, Yokohama, Japan

15:05-15:25  
**Title:** Fabrication of electrospun nanofiber mat for tetracycline adsorption  
**Presenter:** Liu Qing, Chinese Academy of Sciences, China

15:25-15:45  
**Title:** Separation of cerium from other rare earth elements by solvent extraction  
**Presenter:** Carlos Antonio de Morais, Nuclear Technology Development Center, Brazil

15:45-16:05  
**Title:** Effective Adsorption and concentration of carnosine by nickel species within mesoporous silica  
**Presenter:** Liming Zhao, East China University of Science and Technology, China

**Networking and Refreshment Break 16:05-16:15 @ Foyer Business Center**

**Poster Presentations @ 16:15-16:45 @ Foyer Business Center**

**ST-001**  
**Title:** Separation efficiency of pentafluorophenyl stationary phase for fast chromatography determination of highbush blueberry anthocyanins  
**Presenter:** Barbora Smidova, Research and Breeding Institute of Pomology Holovousy Ltd., Czech Republic

**ST-002**  
**Title:** HPTLC method for the determination of anti-cold mixture in tablets and in spiked human plasma  
**Presenter:** Nehal Fayek Farid, Beni Suef University, Egypt

**ST-003**  
**Title:** Method development and optimization for determination of acemetacin and its toxic impurities using design of experiment  
**Presenter:** Nada Sayed Abdelwahab, Beni Suef University, Egypt

**ST-004**  
**Title:** Monitoring of chronic wound healing process via determination of arginine and its metabolites using HPLC-FD method  
**Presenter:** Lenka Javorska, Charles University in Prague, Czech Republic

**ST-005**  
**Title:** Newly developed UHPLC method for the determination of omeprazole in oral suspensions  
**Presenter:** Kucerova K, Charles University in Prague, Czech Republic

**ST-006**  
**Title:** Development of facilitated transport membranes with silver nano-particle and the process design for separation of propylene from propane in petrochemical industry  
**Presenter:** Jeong Hoon Kim, Korea Research Institute of Chemical Technology, Korea

**ST-007**  
**Title:** A comparative study of As(III) and As(V) adsorption behaviors on different Fe-Mn based adsorbents  
**Presenter:** Jasmina Agbaba, University of Novi Sad, Republic of Serbia

**ST-008**  
**Title:** Effect of supercritical carbon dioxide on micro-mechanical properties of electodesposited gold  
**Presenter:** Haochun Tang, Tokyo Institute of Technology, Japan

**ST-009**  
**Title:** Green synthesis of zinc oxide (ZnO) nanoparticles and determination of it’s antioxidant and antiradicalic activity  
**Presenter:** Esen Tasgin, Ataturk University, Turkey

**ST-010**  
**Title:** Leachate performance of silica fume-modified compacted clayey soil  
**Presenter:** Ekrem Kalkan, Ataturk University, Turkey

**ST-011**  
**Title:** Quantification of caffecic acid in cosmetic formulations by an eco-friendly HPLC method  
**Presenter:** Caroline Magnani Spagnol, Sao Paulo State University, Brazil

**ST-012**  
**Title:** Solid phase extraction and fractionation of total petroleum hydrocarbons in contaminated soil by GC MSD/FID techniques  
**Presenter:** Maria Vilma Faustorilla, University of South Australia, Australia
Panel Discussion
Day 3  September 28, 2016
Melia Meeting 1+2

Sessions: Chromatography as a Separation Technique | Hyphenated Techniques | Role of Spectroscopy as Separation Techniques

Session Chair: Hayrunnisa Nadaroglu, Ataturk University, Turkey
Session Co-chair: Snezana Maletic, University of Novi Sad, Republic of Serbia

Session Introduction

09:00-09:20
Title: Anion exchange chromatography in lignocellulosics analysis
Nico Anders, RWTH Aachen University, Germany

09:20-09:40
Title: SFC-MS as a tool for flower absolute composition analysis
Santerre Cyrille, ISIPCA, France

09:40-10:00
Title: Evaluation of solid-phase chromatography as a method for natural organic matter characterization
Aleksandra Tubic, University of Novi Sad, Republic of Serbia

10:00-10:20
Title: Robustness test of the chromatographic method for the quantification of chlorogenic acid in coffee brew
Jong-Sup Jeon, Gyeonggi Province Institute of Health and Environment, Republic of Korea

10:20-10:40
Title: Purification, characterization of lipase enzyme from lactobacillus brevis and immobilization onto magnetic florosil NPs
Hayrunnisa Nadaroglu, Ataturk University, Turkey

Networking and Refreshment Break 10:40-10:55 @ Foyer Business Center

10:55-11:15
Title: Ultrahigh pressure liquid chromatography as a separation technique for the simultaneous extraction and determination of four different groups of pharmaceuticals in compost
Miguel Angel Lopez Zavala, Tecnologico de Monterrey, Mexico

11:15-11:35
Title: Simple HPLC–MS/MS method for simultaneous determination of aripiprazole and dehydroaripiprazole in human plasma using microelution solid phase extraction
Aneta Iwona Wojnicz, Autonomous University of Madrid, Spain

11:35-11:55
Title: Supercritical CO$_2$ in its multiple roles: solvent for fractionation of complex mixtures and blowing agent in polymer foaming
Martin Topiar, University of Chemistry and Technology Prague, Czech Republic

11:55-12:15
Title: Resolving terahertz spectral mixtures using the blind source separation approach – a method to study the dehydration kinetics
Lukasz Antoni Sterczewski, Princeton University, USA

12:15-12:35
Title: Numerical analysis on purification of methane through the hollow fiber membrane system
Yongtaek Lee, Chungnam National University, Korea

12:35-12:55
Title: Purification of phosphoric acid by liquid-liquid
Mariana Campos Assuncao, PSL Research University, France

Panel Discussion

Award Ceremony

Lunch Break 12:55-14:00 @ Restaurant Aqua

Bookmark your dates

3rd International Conference and Expo on Separation Techniques
October 23-25, 2017  Paris, France

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Website: separationtechniques.conferenceseries.com