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*Scientific Program*

# 8th World Congress on Chromatography

**September 13-14, 2018 | Prague, Czech Republic**

**Venue**

Hotel Panorama Prague

Milevská 7, 140 63 Praha 4, Czechia

## Day 1 September 13, 2018

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

### Hall: Salon 2+3

# Opening Ceremony 09:30-09:35

## Keynote Talks

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| 09:35-10:15 | **Title:EPSA: a novel supercritical fluid chromatography technique enabling the design of permeable cyclic peptides**<br>**Gilles Goetz,** Pfizer, USA |
| 10:15-10:55 | **Title:Separation selectivity of liquid chromatographic columns: a comparison by nonparametric methods**<br>**Károly Héberger,** Hungarian Academy of Sciences, Hungary |
| | **Networking and Refreshments Break 10:55- 11:10 @ Meeting Halls** |
| 11:10-11:50 | **Title:Dispersed mobile-phase countercurrent chromatography**<br>**Hong Xue,** Hong Kong University of Science and Technology, Hongkong |
| | **Group Photo** |
| *Sessions:* **Applications of Chromatography \| Analytical Chromatography \| High Performance Liquid Chromatography \| Polymer and the Environment \| Biopolymers** | |
| **Chair: Károly Héberger,** Hungarian Academy of Sciences, Hungary | |
| 11:50-12:15 | **Title:Triazoles therapeutic drug monitoring: from recommendation to applicability**<br>**Gómez-López Alicia,** Mycology Reference and Research Laboratory, Spain |
| 12:15-12:40 | **Title:Methyl tertiary butyl ether in heavy hydrocarbon matrix: identification and quantification using gas chromatography headspace technique**<br>**Abraham George,** ADNOC Refining Research Centre, UAE |
| 12:40-13:05 | **Title:Application of metal-organic framework material in hydrogen isotope chromatographic separation and analysis**<br>**Dawei Cao,** China Academy of Engineering Physics, China |
| | **Lunch Break - 13:05-14.05 @ Mezzo Restaurant** |
| 14:05-14:30 | **Title:Analysis by fast GC-MS of cocaine and minor alkaloids: an added value for law enforcement**<br>**Juan García-Góngora,** University of Lausanne, Schwitzerland |
| 14:30-14:55 | **Title:Synthesis, processing and application of renewable and/or biobased polymeric products**<br>**F.Picchioni,** University of Groningen, The Netherlands |
| 14:55-15:20 | **Title:Development and validation of GC-NCI-MS method for detection and quantitation of synthetic Cathinones in plasma and urine: effect of CI reagent gas on method sensitivity**<br>**Mohammed A. Meetani,** United Arab Emirates University, UAE |
| 15:20-15:45 | **Title:A simple method based on solid-phase extraction coupled with HPLC for determination of Ibuprofen and Diclofenac belong to group of Painkiller and anti-inflammatory drugs in wastewater samples from wastewater treatment plant in the south of Tehran**<br>**Maryam Salimi,** Tehran Province Water and Waste water Company, Iran |
| | **Networking & Refreshment - 15:45-16:00 @ Meeting Halls** |
| 16:00-16:25 | **Title: The Block Relevance (BR) analysis to interpret chromatographic data: application to IAM chromatography in permeability studies**<br>**Giulia Caron,** University of Torino, Italy |
| 16:25-16:50 | **Title: Application of Cryogenic Preparative Chromatography in Hydrogen Isotopes Separation**<br>**Chengjian Xiao,** China Academy of Engineering Physics, China |
| 16:50-17:15 | **Title: L-Alanine induced Thermally Stable Self-Healing Guar gum hydrogel as Potential Drug Vehicle for Sustained Release of Hydrophilic Drug**<br>**Swati Sharma,** Banaras Hindu University, India |

*End of Day 1*

## Keynote Talks

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| 09:35-10:15 | **Title: Chromatographic purification of photosynthetic water-soluble and membrane proteins for spectrometric analysis**<br>**Joanna Fiedor,** AGH-University of Science and Technology, Poland |
| 10:15-10:55 | **Title:The Use of Isotopiocally Labeled Internal Standards in Quantitative LC/MS – The Way of The Full Compensation of Negative Impact of "Matrix Effect"**<br>**Miroslav Ryska,** Quinta-Analytica s.r.o., Czech Republic |
| | **Networking and Refreshments Break 10:55-11:10@ Meeting Halls** |
| 11:10-11:50 | **Title:Biopolymer from Medicinal Plants its Synthetic Monomer and their Anticancer Efficacy**<br>**Vakhtang Barbakadze,** Tbilisi State Medical University Institute, Georgia |
| ***Sessions:* Hyphenated Techniques in Chromatography \| Advances in Gas Chromatography \| Polymer Rheology \| Nanomaterials and Nanotechnology** | |
| **Session Chair: F.Picchioni,** University of Groningen, The Netherlands | |
| 11:50-12:15 | **Title:Optimization of extraction conditions, identification and quantitative analysis of xenobiotics (e.g., pesticides, dyes, bisphenols) in natural and biological samples and food products using high-performance liquid chromatography (HPLC) combined with modern detection techniques (DAD, MS, MS/MS)**<br>**Tuzimski T,** Medical University in Lublin, Poland |
| 12:15-12:40 | **Title:Sol-gel processed metal-organic framework capillaries for hydrogen isotopes separation**<br>**Xiaolong Fu,** China Academy of Engineering Physics, China |
| 12:40-13:05 | **Title:Column Selection in Liquid Chromatography**<br>**Károly Héberger,** Hungarian Academy of Sciences, Hungary |
| | **Lunch Break - 13:05-14.05 @ Mezzo Restaurant** |
| 14:05-14:30 | **Title: Radioanalytical chromatography techniques for newly developed radiopharmaceutical: 99mTc-ibandronate sodium**<br>**Meliha Ekinci,** Ege University, Turkey |
| 14:30-14:55 | **Title: Distribution of Naphthalene, Phenanthrene and Their Alkyl Substituents in some Egyptian crude oils as a Tool of Thermal Maturity Assessment**<br>**M.A. Ebiad,** Egyptian petroleum research institute, Egypt |
| 14:55-15:20 | **Title:Hepatitis C virus testing and treatment among persons receiving buprenorphine in an office - based program for opioid use disorders in Nigeria**<br>**Adeyemi A Abati,** Lagos University, Nigeria |
| 15:20-15:45 | **Title:Product development and simulations for Enhanced Oil recovery (EOR)**<br>**F.Picchioni,** University of Groningen, The Netherlands |
| | **Networking & Refreshment - 15:45-16:00 @ Meeting Halls** |
| 16:00-16:25 | **Title:Liquid chromatography tandem mass spectrometry for the doping control of beta-agonists and corticosteroids in racing pigeons**<br>**Fernando X. Moreira,** University of Porto, Portugal |
| 16:25-16:50 | **Title:Manufacturing of a nanostructured hybrid electrode material via microwave energy-based approach and its use in energy storage applications**<br>**Selcuk Poyraz,** Adiyaman University, Turkey |
| 16:50-17:15 | **Title:Detection of $Ca^{2+}$, $Mg^{2+}$, $CO_3^{2-}$ and $SO_4^{2-}$ in Wells of Talsint Region (Eastern Morocco) by Ionic Chromatography**<br>**H. TAOUIL,** Hassan II University of Casablanca, Morocco |

**Poster Presentations - 17:15 -17:45 @ Corridor**

**Poster Judge: Gilles Goetz,** Pfizer, USA

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| **P-01** | **Title:Optimization of dispersive liquid-liquid microextraction (DLLME) method for determination of 2, 4-D and MCPA in water by HPLC with using Box-Behnken design**<br>**Maryam Salimi,** Tehran Province Water and Waste water Company, Iran |
| **P-02** | **Title:The effect of seasonality on the production of essential oils from leaves of Eugenia uniflora**<br>**Miriam Sannomiya,** Universidade de São Paulo, Brazil |
| **P-03** | **Title: Phenolic compounds present on the leaves of Eugenia uniflora identify by HPLC - IR**<br>**Beatriz Fucuda Nascimento,** Universidade de São Paulo, Brazil |
| **P-04** | **Title: Kinetics and Thermodynamics of Asphaltene Adsorption on Nanocomposite PolyHIPEs**<br>**Sevil Çetinkaya,** Kirikkale University, Turkey |
| **P-05** | **Title: Synthesis of Mn3O4/PolyDCPD Nanocomposite Materials by HIPE and ROMP Approaches**<br>**Rabia Yeşil,** Kirikkale University, Turkey |
| **P-06** | **Title: Rheological behaviour of polymers as the key for developing the extrusion die design**<br>**Kuralay Korzhynbayeva,** Nazarbayev University, Kazakhstan |

**Award and Closing Ceremony**