Scientific Program

Joint Event on

18th International Conference on

World HPLC & Separation Techniques

&

18th World Analytical Chemistry & Mass Spectrometry

August 29-30, 2018 | Toronto, Canada, USA



Interactive Sessions | Keynote Lectures | Plenary Lectures | Exhibitors | B2B Meetings | Workshops

hplc@americanevent.org

18th International Conference on

World HPLC & Separation Techniques

August 29-30, 2018 | Toronto, Canada, USA

	Scientific Program
	Day 1 August 29, 2018
	Conference Hall
08:00-08:45	Registrations
08:45-09:00	Opening Ceremony
	Keynote Session
	Introduction
09:00-09:30	Title: Molecular characterization of synthetic polymers with help of liquid chromatography
	Dusan Berek, Polymer Institute of the Slovak Academy of Science, Slovakia
09:30-09:35	Questionnaires
09:35- 10:05	Title: Aligning industrial R&D with academia to better utilize analytical science to produce positive outcomes
	David M. Parish, Sherwin-Williams Company, USA
10:05-10:10	Questionnaires
10:10-10:40	Title: Fabric Phase Sorptive Extraction (FPSE): A novel strategy in metabolomics sample preparation for disease biomarker discovery
	Abuzar Kabir, International Forensic Research Institute, USA
10:40-10:45	Questionnaires
	Networking & Refreshment Break 10:45-11:00
11:00-11:30	Title: Applications of UPLC-MS QTOF in Structural Elucidation of Small Molecules
	Peng Chen, Chemic Labs Inc., USA
11:30-11:35	Questionnaires
	Group Photo 11:35-11:45
	Sessions: Polymer and Material Chemistry |Disease Detection and Formulation Development | Mass spectroscopy and Gas chromatography |Hyphenated HPLC Methods |Electrophoresis |Principles and Applications of HPLC |Chromatography |Analytical Chemistry |Nuclear Magnetic Resonance
Session Chairs	Dusan Berek, Polymer Institute of the Slovak Academy of Science, Slovakia
Session Chairs	David M. Parish, Sherwin-Williams Company, USA
Session Co-Chair	Brigitte Simons, Molecular Science Corp, Canada
	Workshop
11:45--12:25	Title: Determination of enrofloxacin and its metabolite in eggs by Capillary Electrophoresis together with Fabric Phase Sorptive Extraction
	Yintang Zhang, Shangqiu Normal University, China
12:25-12:30	Questionnaires
	Lunch Break 12:30-13:30
13:30-14:10	Title: Retention mechanisms in liquid chromatography of synthetic polymers
	Dusan Berek, Polymer Institute of the Slovak Academy of Science, Slovakia
14:10-14:15	Questionnaires
14:15-14:55	Title: Photoacoustics Spectroscopy: The less explored non-destructive spectroscopy for multicharacterization
	Michael Anjello Jothi Rajan, Tamil Nadu State Council for Science & Technology, India
14:55-15:00	Questionnaires
15:00-15:20	Title: Combinatorial model of chromatography applied on optimizing operational conditions in SEC
	Milos Netopilik, Academy of Sciences of the Czech Republic, Czech Republic
15:20-15:25	Questionnaires
	Networking & Refreshment Break 15:25-15:45
15:45-16:05	Caijun Zhang, Terramera Inc, Canada
16:05-16:10	Questionnaires
16:10-16:30	Title: Determination of the concentration of Benzoic acid and Sorbic acid in Ready to serve products using high performance liquid chromatography (HPLC)
	H. W. C. Krishanthi Karunarathne, Government Analyst Department, Sri Lanka
16:30-16:35	Questionnaires
16:35-16:55	Area under the receiver–operating characteristics as a model for evaluating and predicting biomarkers of Early Renal Tubular damage in subjects occupationally exposed to lead
	Ishiaq Omotosho, Nigeria
16:55-17:00	Questionnaires
17:00-17:20	Title: Quantification of water soluble vitamins in natural health products and dietary supplements using Liquid Chromatography-Mass Spectrometry
	Fardin Ahmadi, Canadian Analytical Laboratories, Mississauga, Ontario
17:20-17:25	Questionnaires
	Panel Discussion
	Networking & Business to Business Meeting 17:25-18:00
	Day Concludes

	Day 2 August 30, 2018
	Conference Hall
	Keynote Session
09:00-09:40	Title: Differentiating Cannabis Products within the Brands of the Legalized Adult Use Markets
	Brigitte Simons, Molecular Science Corp, Canada
09:40-09:45	Questionnaires
09:45-10:25	Title: Alcohol and drugs
	Manuela G. Neuman, University of Toronto, Canada
10:25-10:30	Questionnaires
	Networking & Refreshment Break 10:30-10:45
10:45-11:25	Title: Fabric Phase Sorptive Extraction: A versatile sample preparation technology that meets the demands of twenty first century modern analytical laboratories
	Abuzar Kabir, Florida International University, USA
11:25-11:30	Questionnaires
11:30-12:10	Rob O'Brien, Supra Research and Development, Canada
12:10-12:15	Questionnaires
	Sessions: Analytical Chemistry and Engineering | Advances in Chromatography & HPLC Techniques |Mass Spectrometry and Metabolomics |The key benefits of HPLC systems |Analytical Chemistry in Agricultural Research |Method Development and Validation |Analytical Chemistry In Veterinary Drug Analysis |Sensor Modifications
Session Chairs	Milos Netopilik, Academy of Sciences of the Czech Republic, Czech Republic
Session Chairs	Peng Chen, Chemic Labs Inc., USA
Session Co-Chair	Abuzar Kabir, International Forensic Research Institute, Miami, USA
	Workshop
12:15-12:55	Title: HPLC method development and troubleshooting
	Marc Plante, Boston Analyticals, USA
12:55-13:00	Questionnaires
	Lunch Break 13:00-14:00
14:00-14:40	Determination of Alzheimer's β-amyloid peptide by Sweeping-Micellar Electrokinetic Capillary Chromatography
	Maotian Xu, Shangqiu Normal University, China
14:40-14:45	Questionnaires
14:45-15:05	Title: Separation of parent homopolymers from block copolymers with advanced liquid chromatography methods
	Dusan Berek, Polymer Institute of the Slovak Academy of Science, Slovakia
15:05-15:10	Questionnaires
15:10-15:30	Title: Biosensing approaches for lysozyme detection with graphene oxide-coated plasmonic interfaces
	Alina Vasilescu, International Centre of Biodynamics, Romania
15:30-15:35	Questionnaires
	Networking & Refreshment Break 15:35-15:50
15:50-16:10	Title: Fabrication of a magnetic molecularly imprinted polymer for pre-concentration and cleanup of sarcosine, a prostate cancer metabolic biomarker, in urine prior to capillary electrophoresis determination
	Zahra Ramezani, Ahvaz Jundishapur University, Iran
16:10-16:15	Questionnaires
16:15-17:05	Poster Presentations
Poster Judges	Marc Plante, Boston Analyticals, USA
Poster Judges	Manuela G. Neuman, University of Toronto, Canada
WACC 01	Title: Electrochemical sensors coated with prGO coated enable to capture different aggregation behaviors of proteins and peptides
	Alina Vasilescu, International Centre of Biodynamics, Romania
WACC 02	Title: Structural investigation of Fe(III) and Ga(III) complexes with aromatic hydrazones by ESI MS/MS
	Nives Galic, University of Zagreb, Croatia
HPLC 01	Title: Platform Size Exclusion Chromatography (SEC) method development for a broad range of Monoclonal Antibodies
	Isil Yasa, Bristol-Myers Squibb, New Jersey
HPLC 02	Title: LC-MS analysis of intact amino acids on a novel mixed-mode HPLC column
	Itaru Yazawa, Imtakt Corporation, Kyoto, Japan
HPLC 03	Title: Comparison of immune cells subsets, ex-vivo and in-vivo expression of T cell activation and memory marker between LNC and corresponding PBMC from Calves Exposed to Natural Mycobacterium bovis Infection
	Fekadu Desta, Addis Ababa University, Ethiopia
HPLC 04	Title: HPLC, "A boon for routine and advance chromatographic separations".
	Bhumika G. Rathod, Gandhinagar Gujarat, India
	Questionnaires

	Video Presentations
17:05-17:25	Title: New trends in sample miniaturization and its applications: on-chip devices
	Maria Ramos Payan, University of Seville, Spain
17:25-17:45	Title : Industrial root of green chemistry and the history of the BHC Ibuprofen invention and it's quality inspirations
	Mark A. Murphy, Attorney at law, Atlanta, USA
17:45-18:00	Title: Potentiometry as a tool for monitoring of antioxidant activity
	Yan Kazakov, Russian Federation, Russia
	E- Poster Presentations
WACC 01	Title: Validation and Development of an optical detection microfluidic device for the determination of antibiotics in environmental waters
	Maria Ramos Payan, University of Seville, Spain
WACC 02	Title: Manufacturing and optimization of a microfluidic device LEGO portable for optical detection-Photonic lab on a chip
	Maria Ramos Payan, University of Seville, Spain
WACC 03	Title: LEGO portable for optical detection-Photonic lab on a chip
	Maria Ramos Payan, University of Seville, Spain
WACC 04	Title:A quantitative description of the kinetic and concentration regularities of bioanalytical techniques
	Dmitriy V Sotnikov, Russian Academy of Sciences, Russia
Panel Discussion	
Award and Closing Ceremony	

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Major Scientific Sessions

- *Analytical Chemistry*
- *Chromatography*
- *Separation*
- *HPLC*
- *Chromatographic Techniques*
- *Hyphenated HPLC Methods*
- *HPLC Instrumentations*
- *Pharmaceutical Separation Analysis*
- *Industrial Analysis*
- *Mass Spectrometry*
- *Mass Spectrometry in Biological Studies*
- *Mass Spectrometry and Metabolomics*
- *New approaches in Mass Spectrometry*
- *Nuclear Magnetic Resonance*
- *Lab-on-a-chip*
- *Analytical Chemistry in Veterinary Medicine*
- *Analytical Chemistry in Agriculture Research*
- *Study on Proteomics*



Best Poster Award

- You will be given about 5-7 minutes to present your poster including questions and answers. Judges may pose questions during the evaluation of the poster
- Judges will even evaluate the student's enthusiasm towards their study, interest and knowledge in the area of their research
- The winners will be announced at the closing ceremony of the conference. The decision of the winner will be withdrawn if the winner/winners is/ are not present at the time of announcement
- Apart from the judging time you may also be present at the poster to share your research with interested delegates



Young Researchers Forum

- Present your research through oral presentations
- Learn about career development and the latest research tools and technologies in your field
- This forum will give pertinent and timely information to those who conduct research and those who use and benefit from research
- Develop a foundation for collaboration among young researchers
- The forum will provide an opportunity for collegial interaction with other young investigators and established senior investigators across the globe Interact and share ideas with both peers and mentors

General Queries
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Conference Venue:
Toronto, Canada

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