9th Edition of International Conference on

ANALYTICAL CHEMISTRY



March 26-28, 2018
Vienna, Austria

EuroSciCon

Analytical Chemistry 2018

Agenda Day 1: Macrh 26, 2018

08:30-09:30 **Registration**

09:30-09:50 Opening Ceremony

Keynote Forum

09:50-10:00 Introduction

10:00-10:30 **Title: The Future starts now, most recent trends in NIR and raman instrumentation for chemical and pharmaceutical quality control**

Sebastian Ziewer Arndts, Analyticon Instruments GmbH, Germany

10:30-11:00 **Title: Heterocovariance a new tool for the efficient detection of bioactive compounds in complex mixtures**

Emmanuel Mikros, National and Kapodistrian University of Athens, Greece

Coffee Break 11:00-11:15 @ Foyer

Workshop

11:15-12:15 **Title: New approaches to preparation of fine products from birch bark and their applications**

Svetlana Kuznetsova, Federal Research Center Krasnoyarsk Science Center, Siberian Branch-RAS, Russia

Sessions: Novel Approaches to Analytical and Bioanalytical Methods | Analytical Methodology | NMR Analysis of Complex Natural Samples | Applications of Analytical and Bioanalytical Methods | Chemometrics | Environmental Analytical Chemistry

Session Chair: Sebastian Ziewer Arndts, Analyticon Instruments GmbH, Germany

Session Co-Chair: Vusumzi E Pakade, Vaal University of Technology, South Africa

Session Introduction

12:15-12:40 **Title: Application of restricted boltzmann machines to analytical chemistry**

Peter de Boves Harrington, Clippinger Laboratories, USA

12:40-13:05 **Title: Detection of target DNA with a novel Cas9/sgRNAs-associated reverse PCR (CARP) technique**

Beibei Zhang, Southeast University, China

Group Photo

Lunch Break 13:05-13:50 @ Flemings Restaurant

13:50-14:15 **Title: Genes directly regulated by NF-κB in human hepatocellular carcinoma $HepG_2$**

Shuyan Zhang, Southeast University, China

14:15-14:40 **Title: Indicator displacement based quantum dots-ligand probes for biomarker detections**

Haojun Jin, Southeast University, P R China

14:40-15:05 **Title: Strand displacement amplification on quantum dot-encoded silica beads for multiplexed assay of miRNAs**

Xiaojun Qu, Southeast University, P R China

15:05-15:30 **Title: Multivariate feature extraction method for spectroscopy in prediction and classification**

Hyeseon Lee, Pohang University of Science and Technology, South Korea

Coffee Break 15:30-15:45 @ Foyer

15:45-16:10 **Title: Determination of thallium in water samples using inductively coupled plasma optical emission spectrometry (ICP-OES) after ultrasonic assisted-dispersive solid phase microextraction**

Philiswa N Nomngongo, University of Johannesburg, South Africa

16:10-16:35 **Title: Imprintented membrane coupled with activated carbon for improved chromium removal**

Vusumzi E Pakade, Vaal University of Technology, South Africa

Analytical Chemistry 2018

16:35-17:00 **Title: Identification of some analogues of synthetic phosphodiesterase type-5 (PDE-5) inhibitors illegally adulterated in natural herbal products intended to be use for improve sexual potency for men in Kuwait**

Moustafa Khalifa, Drug and Food Quality Control Laboratories, Kuwait

Panel Discussion

Analytical Chemistry 2018

Agenda Day 2: March 27, 2018

Keynote Forum

10:00-10:30 **Title: Transmission raman spectrometry-new approaches for quality control-efficient and easy to use**

Sebastian Ziewer Arndts, Analyticon Instruments GmbH, Germany

10:30-11:00 **Title: Design of materials for total chromium removal**

Vusumzi E Pakade, Vaal University of Technology, South Africa

Coffee Break 11:00-11:15 @ Foyer

Sessions: Environmental Analytical Chemistry | Modern Pharmaceutical Analysis | Chiral Columns Chromatography | Chromatography as a Separation Technique | Applications of Analytical and Bioanalytical Methods | Analytical Methodology | Advances in Separation Techniques

Session Chair: Moustafa Khalifa, Drug and Food Quality Control Laboratories, Kuwait

Session Co-Chair: Philiswa N Nomngongo, University of Johannesburg, South Africa

11:15-11:40 **Title: Novel chiral stationary phases for chromatography based on supramolecular Analytical Methodology compounds**

Vladimir Yu Guskov, Bashkir State University, Russia

11:40-12:05 **Title: Static and dynamic solubility diagrams in non-redox and redox systems**

Tadeusz Michałowski, Cracow University of Technology, Poland

12:05-12:30 **Title: Application of magnetic carbon nanotube as a solid phase extractant in seperation techniques**

Ghazale Daneshvar Tarigh, University of Tehran, Iran

Lunch Break 12:30-13:15 @ Flemings Restaurant

Poster Presentations 13:15-14:00 @ Meeting Rooms

ANCHE-01 **Title: A study on the effect of lead on the biodistribution of calcium, copper, iron, lead and zinc in Pb-intoxicated mice**

Kalina Kamenova, Sofia University, Bulgaria

ANCHE-02 **Title: Proximate analysis, translocation and elemental distribution of celosia trigyna L from the western geographical region of Nigeria**

Adebimpe Esther Ofusori, University of KwaZulu-Natal, South Africa

ANCHE-03 **Title: An electrochemiluminescent sensing device for living cell oxygen metabolism monitoring**

Tu Yifeng, Soochow University, P R China

ANCHE-04 **Title: Molecular imprinting of dyes in glutathione-SiO_2 monolithic polymer**

Yuliya Petrova, Surgut State University, Russia

ANCHE-05 **Title: A method for quantification of 25-hydroxyvitamine D_3 using time of flight-secondary ion mass spectrometry after derivatization with a betaine aldehyde**

Jin Gyeong Son, Korea Reserarch Institute of Standards and Science, South Korea

ANCHE-06 **Title: Novel strategies for colorimetric sensing of reactive oxygen species**

Yasumasa Kanekiyo, Kitami Institute of Technology, Japan

ANCHE-07 **Title: Electromembrane extraction combined with capillary electrophoresis for the determination of metoclopramide and ondansetron in urine samples**

Ehsan Sadeghi, Shahid Beheshti University, Iran

Agenda Day 3: March 28, 2018

Networking Lunch 12:30-13:30

Exhibitor Booth @ Meeting rooms

Award Ceremony



10th Edition of International Conference on

ANALYTICAL CHEMISTRY

February 28-March 1, 2019

London, UK

EuroSciCon