

HPTLC Asia 2018
November 27-30, 2018

Short-Course Program

Tue 27th, 2018

ROOM 1 HERBAL STANDARDIZATION (SC-1, SC-2)

9:00-12:00 **SC-1: HPTLC METHOD DEVELOPMENT**

Saikat Mallick

Chief Chemist, ANCHROM Lab, Mumbai, India

13:00-16:00 **SC-2: ANALYSIS OF BOTANICALS IN COMPLIANCE WITH USP AND PHEUR**

Eike Reich

Director, CAMAG Laboratory, Muttenz Switzerland; President, HPTLC ASSOCIATION, Rheinfelden, Switzerland

ROOM 2 QUANTITATIVE ANALYSIS OF HPTLC (SC-3, SC-4)

9:00-12:00 **SC-3: QUANTIFICATION AND VALIDATION IN HPTLC**

Pierre Bernard-Savary

Chairman of Chromacim and French Club for Thin-Layer Chromatography, Moirans, France

Jean-Marc Roussel

Universities of Aix-Marseille and Bordeaux I, Analytical Methods Development and Validation Consulting, Co-Designer, NeoLiCy Software for Statistical Assessment of Analytical Method's Life Cycle, Mâcon, France

13:00-16:00 **SC-4: LIPID CHARACTERIZATION AND QUANTIFICATION**

Vicente L. Cebolla

Instituto de Carboquímica (ICB), Spanish National Research Council (CSIC), Zaragoza, Spain

Pierre Bernard-Savary

Chairman of Chromacim and French Club for Thin-Layer Chromatography, Moirans, France

ROOM 3 HPTLC FOR RESEARCH (SC-5, SC-6)

9:00-12:00 **SC-5: HPTLC–DIRECT BIOAUTOGRAPHY**

Gertrud Morlock,

Chair of Food Science, Justus Liebig University Giessen, Giessen, Germany

13:00-16:00 **SC-6: HPTLC – MS FOR CHARACTERIZATION OF COMPOUNDS**

Michaela Oberle

TLC Specialist and Project Leader R&D, Merck KGaA, Darmstadt, Germany

Ivan Ng

Manager, System Solutions Business Development, Southeast Asia, Waters Pacific Pte. Ltd., Singapore

18:30-20:30 **Welcome Dinner**

Tentative International Symposium Program

Wed 28th 2018

8:00 Registration

9:00 Welcome

SESSION 1: BOTANICALS AND TRADITIONAL MEDICINES

9:30-10:15 Plenary Lecture (PL-1)

Prof. Dr. De-an Guo, Chair Professor of Shanghai Institute of Materia Medica, Chinese Academy of Sciences; Director of National Engineering Laboratory for TCM Standardization Technology; Director of Shanghai Research Center for Modernization of Traditional Chinese Medicine, PR China

10:15-10:45 Coffee break

10:45-12:15 **6 Oral Presentations (OP-1 – OP-6)**

- **OP-1: COMPREHENSIVE HPLTC FINGERPRINTING OFFERS ALTERNATIVES TO THE MARKER APPROACH FOR QUALITY CONTROL OF HERBAL MATERIALS**
Eike Reich
Director, CAMAG Laboratory, Muttenz Switzerland; President, HPTLC Association, Rheinfelden, Switzerland
- **OP-2: HPTLC AUTHENTICATION OF MULTI-ORIGINATED CHINESE HERBAL MEDICINES**
Zhengtao Wang
Institute of Chinese Materia Medica, Key Laboratory of Standardization of Chinese Medicines of Ministry of Education; Shanghai University of Traditional Chinese Medicine, Shanghai, China
- **OP-3: DEVELOPMENT OF SIMPLIFIED HPTLC SOLVENT SYSTEMS FOR THAI MEDICINAL PLANTS**
Sornkanok Vimolmangkang
Head, Department of Pharmacognosy and Pharmaceutical Botany, Faculty of Pharmaceutical Sciences, Chulalongkorn University, Bangkok, Thailand
- **OP-4: COMPARABILITY SPECTROSCOPIC AND CHROMATOGRAPHIC FINGERPRINT ANALYSIS OF GELSEMIUM ELEGANS**
Mun Fei Yam
School of Pharmaceutical Sciences, Universiti Sains Malaysia, 11800, Pulau Pinang, Malaysia
- **OP-5: HPTLC FINGERPRINT-BASED RAPID CHEMOTAXONOMIC DISCRIMINATION OF DIFFERENT CLERODENDRUM SPECIES USING CHEMOMETRIC DATA ANALYSIS**
Madhunita Srivastava
CSIR Central Institute of Medicinal and Aromatic Plants, Digras, India
- **OP-6: PHARMACOKINETIC EVALUATION OF A POLYHERBAL FORMULATION USING HPTLC TECHNIQUE**
Sunita Shailajan
Herbal Research Lab, Ramnarain Ruia College, Matunga (East), Mumbai, India

12:15-13:30 Lunch

SESSION 2: EFFECT-DIRECTED DETECTION

13:30-14:15 **Plenary Lecture (PL-2)**

- **PL-2: EFFECT-DIRECTED ANALYSIS OF FUNCTIONAL FOOD INGREDIENTS**

Prof. Dr. Gertrud Morlock

Chair of Food Science, Justus Liebig University Giessen, Giessen, Germany

14:15-15:15 **4 Oral Presentations (OP-7 – OP-10)**

- **OP-7: TLC SCREENING AND EFFECT DIRECTED ANALYSIS OF CHOSEN PLANTS USED IN DEMENTIA TREATMENT**

Irena M. Choma

Faculty of Chemistry, Maria Curie-Sklodowska University, Lublin, Poland

- **OP-8: A NOVEL HPTLC-HYPHENATED BIOAUTOGRAPHIC METHOD FOR IDENTIFICATION OF CARBOHYDRATE DIGESTING ENZYME INHIBITORY METABOLITES**

Sayed Ahmad

Bioactive Natural Product Laboratory, Faculty of Pharmacy, Jamia Hamdard, New Delhi, India

- **OP-9: NEUROPROTECTIVE POTENTIALS OF ESSENTIAL OILS**

Snezana Agatonovic-Kustrin,

La Trobe Institute for Molecular Sciences, La Trobe University, Bendigo, Australia

- **OP-10: HPTLC-EDA-UV/VIS/FLD-HESI-HRMS FOR TRACKING OF BIOACTIVE METABOLITES IN "PRIMULA BOVEANA"**

Ehab Mahran

Philipps University of Marburg, Marburg, and Justus Liebig University Giessen, Giessen, Germany

15:15-15:30 Coffee break

15:30-16:00 **MANUFACTURER'S PRESENTATIONS (MP-1 – MP-2)**

- **MP-1: TLC/ HPTLC PLATES - RECENT DEVELOPMENTS AND APPLICATIONS**

Monika Bäuml

Merck KGaA, Darmstadt, Sigma-Aldrich Chemie GmbH

- **MP-2: ARE THERE TRULY ESSENTIAL ROSE OILS IN COSMETICS AND FOOD?**

Pia Altenhofer

Biostep GmbH, Glockenstr., Chemnitz, Germany

16:00-17:30 Poster Presentations (**PP-1 – PP-70**)

Thu 29th 2018

SESSION 3: PHARMACEUTICAL AND TOXICOLOGICAL ANALYSIS

- 9:00-9:45 Plenary Lecture (**PL-3**)
- Prof. Dr. Navinchandra Sheth**, Department of Pharmaceutical Sciences,
Saurashtra University, Rajkot, India
- 9:45-10:45 **4 Oral Presentations (OP-11 – OP-14)**
- **OP-11: EFFECT DIRECTED IDENTIFICATION OF ESTROGENIC SUBSTANCES IN FOOD CONTACT MATERIALS WITH HPTLC-BIOASSAYS AND HRMS**
Alan Berkmann
Ecotox Center Eawag-EPFL, Dübendorf, Canton of Zürich, Switzerland
 - **OP-12: DEVELOPMENT AND VALIDATION OF HPTLC AND HPLC ASSAY METHODS FOR THERAPEUTIC DRUG MONITORING OF CAPECITABINE IN COLORECTAL CANCER PATIENTS**
Sonali Thorat
Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, India
 - **OP-13: WHY IS IT NECESSARY TO USE HPTLC IN API MANUFACTURING PROCESS?: A REVIEW OF CASE STUDIES**
Pierre Bernard-Savary, Chairman of Chromacim and French Club for Thin-Layer Chromatography, Moirans, France
 - **OP-14: HPTLC ASSAY METHODS VALIDATION: WILL ICH MEET FDA/EMA/ USP?**
Jean-Marc Roussel
Universities of Aix-Marseille and Bordeaux I, Analytical Methods Development and Validation Consulting, Co-Designer, NeoLiCy Software for Statistical Assessment of Analytical Method's Life Cycle, Mâcon, France
- 10:45-11:00 Coffee break
- SESSION 4: FOOD, DIETARY SUPPLEMENTS, COSMETICS AND BIOSAMPLES**
- 11:00-11:45 **Plenary Lecture (PL-4)**
- **PL-4: HPTLC OF LIPID-BASED MIXTURES IN DIFFERENT MATRICES: COMBINATION OF DENSITOMETRY AND MS FOR OBTAINING QUALITATIVE AND QUANTITATIVE SAMPLE INFORMATION**
Dr. Vicente L. Cebolla
Instituto de Carboquímica (ICB), Spanish National Research Council (CSIC), Zaragoza, Spain
- 11:45-12:30 **3 Oral Presentations (OP-15 – OP-17)**
- **OP-15: HPTLC-FLD-SERS DETERMINATION OF FOLIC ACID WITH OZONE-INDUCED FLUORESCENCE**
Yisheng Chen
The Key Laboratory of Food Science and Technology, School of Food Science and Technology, Collaborative Innovation Centre of Food Safety and Quality Control in Jiangsu Province, Jiangsu University, Wuxi, China
 - **OP-16: HPTLC METHOD DEVELOPMENT AND VALIDATION FOR SIMULTANEOUS EVALUATION OF PHENOLIC ACIDS AND FLAVONOIDS TO STUDY THE PROCESSING EFFECTS IN DIFFERENT MILLET GRAINS**

Giridhar Goudar

TATA-NIN Centre for Excellence in Nutrition, National Institute of Nutrition, Hyderabad, India

- **OP-17: IDENTIFICATION OF ACETYLCHOLINESTERASE INHIBITORS COMPOUNDS IN ANNONA CHERIMOLA MILL. BY HPTLC-BIOASSAY-MASS SPECTROMETRY**

Mario Aranda

Department of Food Science, Nutrition and Dietetic, Faculty of Pharmacy, University of Concepcion, Concepcion, Chili

12:30-13:30 Lunch

Session 5: HPTLC –MS FOR COMPOUND CHARACTERIZATION

13:30-14:15 Plenary Lecture (**PL-5**)

Prof. Dr. Jentaie Shiea, *Department of Chemistry, National Sun Yat-Sen University, Kaohsiung, Taiwan*

14:15-15:15 4 Oral Presentations (**OP-18 – OP-21**)

- **OP-18:**
Ajai Prakash Gupta
Indian Institute of Integrative Medicine, Jammu, India

- **OP-19: SIMPLE INTERFACE FOR SCANNING CHEMICAL COMPOUNDS ON DEVELOPED THIN LAYER CHROMATOGRAPHY PLATES USING ELECTROSPRAY IONIZATION MASS SPECTROMETRY**
Sychyi Cheng
Department of Chemistry, National Sun Yat-Sen University, Kaohsiung, Taiwan.

- **OP-20: TARGET BASED METHOD DEVELOPMENT USING EFFECT DIRECTED TLC - A STRAIGHT WAY FOR COMPOUND PURIFICATION**
Michaela Oberle
TLC Specialist and Project Leader R&D, Merck KGaA, Darmstadt, Germany

- **OP-21: HPTLC-MS IN API CLINICAL BATCHES MANUFACTURING**
Amélie Havard (*will be presented by Pierre Bernard-Savary*)
Research Scientist, Oril Industrie, Servier, Bolbec, Le Havre Area, France

15:15-15:30 Coffee break

15:30-16:00 Manufacturer's Presentations (**MP-3**)

- **MP-3: CAMAG and HPTLC Association**
Markus Wyss
CEO, CAMAG, Muttenz, Switzerland
Eike Reich
President, HPTLC Association, Rheinfelden, Switzerland

MP-4: WATERS' MS UNITS FOR HPTLC-MS APPLICATIONS

Ivan Ng

Manager, System Solutions Business Development, Southeast Asia Waters Pacific Pte. Ltd., Singapore

16:00-17:30 Poster Presentations (**PP-1 – PP-70**)

Fri 30th 2018

SESSION 6: STRONG FEATURES OF HPTLC

9:00-9:45 Plenary Lecture (**PL-6**)

PL-6: HPTLC – DO WE REALLY KNOW IT AND HOW TO MAKE IT MORE POPULAR

Dr. Irena Vovk

Head, Department of Food Chemistry, National Institute of Chemistry, Ljubljana, Slovenia

9:45-10:15 **2 Oral Presentations (OP-22 – OP-23)**

- **OP-22: DEVELOPMENT OF A UNIVERSAL SET OF SYSTEM SUITABILITY TESTING (SST) STANDARDS FOR HIGH-PERFORMANCE THIN-LAYER CHROMATOGRAPHY**

Manjusha Phanse

Anchrom Enterprises (India) Pvt. Ltd., Mumbai, India

- **OP-23: CURRENT TRENDS IN APPLICATIONS OF TLC / HPTLC**

Teresa Kowalska

Institute of Chemistry, University of Silesia in Katowice, Poland (Editor-in-Chief of Acta Chromatographica, Akadémiai Kiadó)

10:15-10:30 Coffee break

10:30-10:45 Highlights

10:45-11:15 Poster Presentation Awards and Closure

11:15- 20:00 Start Bangkok Tour (with lunch box in the coach) to Grand Palace, a cruise to Icon-Siam, and Gala Dinner along Chaopraya River