
SUNDAY, NOVEMBER 4, 2018

1130-1230 Inauguration Ceremony (Prof. Salimuzzaman Siddiqui Auditorium), ICCBS

1230-1400 Registration and Lunch

1400-1615 Inaugural and Plenary Lectures (Prof. Salimuzzaman Siddiqui Auditorium)

Chair: Alain Krief

Co-Chair: Young Ho Kim

| TIME | SPEAKER/ TITLE |
|-------------|---|
| 1400-1445 | Atta-ur-Rahman, FRS <i>(Inaugural Lecture)</i> Some Adventures in Natural Product Chemistry and Higher Education |
| 1445-1530 | Xavier Franck Recent Progress in the Synthesis of Fluorescent or Bioactive Azaphilones |
| 1530-1615 | Jean-Frédéric F. Weber From the Equator to the Poles, a Virtual Journey Lined with Fungal Metabolites |

1615-1730 Tea and Poster Session at L. E. J. N. S. I. C. Parking Area

2030 Dinner at Multipurpose Hall (For Foreign Guests Only)

MONDAY, NOVEMBER 5, 2018

0900-1115 Plenary Lectures (Prof. Salimuzzaman Siddiqui Auditorium)

| Chair: Xavier Franck | |
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| Co-Chair: Bruno Figadère | |
| TIME | SPEAKER/ TITLE |
| 0900-0945 | Bilge Sener Bioactive Drug Candidates from Some Turkish Amaryllidaceae and Fumariaceae Plant Species |
| 0945-1030 | Daniel C. Hoessli The Plasma Membrane as a Target for Natural Products |
| 1030-1115 | Jae Youl Cho Korean Ginseng: <i>An Immunomodulatory Herbal Medicine</i> |

1115-1145 Tea Break**1145-1315 Plenary Lectures (Prof. Salimuzzaman Siddiqui Auditorium)**

| Chair: Georges Massiot | |
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| Co-Chair: Bilge Sener | |
| TIME | SPEAKER/ TITLE |
| 1145-1230 | Bina S. Siddiqui Natural Products Derived Biologically Active Compounds and their Therapeutic Potential |
| 1230-1315 | M. Khalid Ashfaq Natural Products: <i>Hepatotoxicity and Prevention</i> |

1315-1400 Lunch / Prayer Break**1400-1600 Concurrent Keynote cum Invited Lectures**

| Session-A | | Session-B | | Session-C | | Session-D | |
|--|--|--|---|--|-----------------------|---|-----------------------|
| Isolation and Structural Elucidation of Natural Products | | Medicinal and Synthetic Chemistry | | Analytical Chemistry of Natural Products | | Bioassay Screening, Pharmacology, Biotechnology, and Others | |
| (Prof. Salimuzzaman Siddiqui Auditorium) | | (L.E.J. Hall A) | | (L.E.J. Hall B) | | (L.E.J. Hall C) | |
| Chair: Bina S. Siddiqui | | Chair: Brunel J. Michel | | Chair: I. P. Gerothanassis | | Chair: Hameed Khan | |
| Co-Chair: L. Jayasinghe | | Co-Chair: M. Raza Shah | | Co-Chair: M. I. Bhangar | | Co-Chair: A. Javidan | |
| TIME | SPEAKER/ TITLE | SPEAKER/ TITLE | SPEAKER/ TITLE | SPEAKER/ TITLE | SPEAKER/ TITLE | SPEAKER/ TITLE | SPEAKER/ TITLE |
| 1400-1430 | Uli Kazmaier (Keynote) Stereoselective Peptide Modifications – <i>Efficient Tools for Natural Product and Drug Synthesis</i> | Bruno Figadère (Keynote) Total Synthesis of Amphidinolide F | Tom Simpson (Keynote) NEW Drugs from OLD Pathways - <i>Teaching Nature New Tricks</i> | Ibrahim Jantan (Keynote) Plant-based Immunomodulators with Antitumor Activity: <i>An Insight on their Mechanisms of Action</i> | | | |
| 1430-1500 | Hesham R. El-Seedi Prophetic and Traditional Medicine: <i>End of an Era or an Endless Frontier?</i> | Sahar I. Mostafa New Chitosan-2-Hydroxynaphthaldehyde Schiff-base (2CS-Hhnl) and the Environmental Application in the Uptake of Cd (II) Ions from Aqueous Media Using Raman and Atomic Absorption Spectroscopy & Aquatic Ecotoxicity against Green Alga <i>Pseudokirchneriella subcapitata</i> | Masood Parvez Role of X-Ray Crystallography in the Study of Natural Products | Anna U. K. Kara Marine Organisms as a Source of New Antimalarials: <i>Example Manzamine A</i> | | | |

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| 1500-1530 | Habib-ur-Rehman Phytochemical Evaluation and Biological Potential of <i>Thymus serpyllum</i> Linn. | Sameh AbouZid Flavonolignans: <i>From Chromatographic and Spectroscopic Data to Biosynthetic Pathways</i> | Raj Pal Sharma Synthesis, Characterization and Single Crystal X-Ray Structural Studies of Some Biologically Important Ligand Complexes | Darakhshan J. Haleem Role of Natural Products in Drug Discovery: <i>Focus on Antidepressants</i> |
| 1530-1600 | Faridah Abas NMR Based Metabolomics for Quality Control of <i>Phyllanthus niruri</i> Linn. and Identification of Biomarkers for its Diabetes Related Activities | Farzana Shaheen Synthesis, Structural and Biological Studies of Peptides from Natural Sources | Sammer Yousuf Co-Crystallization of Bioactive Natural Products- <i>An Efficient Crystal Engineering Approach Towards Enhanced Biological</i> | Farooq R. Soomro Clinical trial of 20% Mat Lippia (Bucan) Topical Ointment for Cutaneous leishmaniasis: <i>A Preliminary Trial</i> |

1800-1900 **Registration for ISNPC-14**

1900-1945 **Inauguration Ceremony of ISNPC-14 (Prof. Salimuzzaman Siddiqui Auditorium), ICCBS**

1950-2045 **Cultural Evening (Participants are requested to wear their cultural dresses)**

2100 **Gala Dinner**

TUESDAY, NOVEMBER 6, 2018

0900-1115 Plenary Lectures (Prof. Salimuzzaman Siddiqui Auditorium)**Chair :** Tom Simpson**Co-Chair:** Jean-Frédéric F. Weber

| TIME | SPEAKER/ TITLE |
|-------------|--|
| 0900-0945 | Richard R. Schmidt Acid-Base Catalysis in Glycosidations: <i>A Nature Derived Alternative to the Generally Employed Methodology</i> |
| 0945-1030 | M. Iqbal Choudhary Sourcing Nature for Drug Discovery- <i>Current and Future Perspectives</i> |
| 1030-1115 | S. Chandrasekaran Synthetic Applications of Carbohydrate-derived Donor-acceptor Cyclopropanes |

1115-1145 Tea Break

1145-1315 Concurrent Invited Lectures

| Session-A Natural Product Isolation and Characterization (Prof. Salimuzzaman Siddiqui Auditorium) Chair: Hesham R. El-Seedi Co-Chair: Hai-bing Liao | | Session-B Medicinal and Synthetic Chemistry (L.E.J. Hall A) Chair: Khalid M. Khan Co-Chair: A.A.AP. Keerthi | | Session-C Bioassay Screening, Biotechnology, Pharmacology and Others (L.E.J. Hall B) Chair: Qiong Wang Co-Chair: D. J. Haleem | |
|--|--|--|---|---|-----------------------|
| TIME | SPEAKER/ TITLE | SPEAKER/ TITLE | SPEAKER/ TITLE | SPEAKER/ TITLE | SPEAKER/ TITLE |
| 1145-1215 | Shaden Khalifa The Novel Steroidal Alkaloids Dendrogenin A and B Promote Proliferation of Adult Neural Stem Cells | Hai-Tao Tang NH ₄ I-Mediated Electrochemical Dehydrogenation Coupling/Cyclization Reactions | Abdurrahim Kocyigit Role of Antioxidant Phytochemicals in the Prevention, Formation and Treatment of Cancer | | |
| 1215-1245 | Jamia Azdina Jamal Pharmacognostical, Phytochemical and Pharmacological Comparative Studies of <i>Marantodes pumilum</i> (Blume) Kuntze Varieties | Shulin Zhao Spinach-Based Biomass Quantum Dot-Copper nanocomposites for <i>In Vivo</i> Biothiols Imaging and Dual Enhanced Photodynamic Therapy of Tumors | Aris Lacis Using Autologous Bone Marrow Derived Mononuclear Stem Cells for Stimulating Tissue Regeneration and Functional Activity | | |
| 1245-1315 | Heng-Shan Wang Anticancer Effects of Natural Products and their Derivatives from YAO Ethnic Medicine of Guangxi China | Amr Mohamed Nassar Complete Removal of Anionic Dyes from Aqueous Solutions | Ikram A Burney Precision Medicine in Oncology: <i>Illusion or a Reality</i> | | |

1315-1400 Lunch / Prayer Break

1400-1600 Concurrent Keynote cum Invited Lectures

| Session-A | | Session-B | | Session-C | | Session-D | |
|--|---|---|--|--|-----------------------|---|-----------------------|
| Isolation and Structural Elucidation of Natural Products (Prof. Salimuzzaman Siddiqui Auditorium) Chair: Uli Kazmaier Co-Chair: J. H. Huang | | Medicinal and Synthetic Chemistry (L.E.J. Hall A) Chair: H. U. Rahman Co-Chair: K. M. Khan | | Analytical Chemistry of Natural Products (L.E.J. Hall B) Chair: Abdul Malik Co-Chair: V. M. Thadhani | | Bioassay Screening, Pharmacology, Biotechnology, and Others (L.E.J. Hall C) Chair: Ibrahim Jantan Co-Chair: S. U. Simjee | |
| TIME | SPEAKER/ TITLE | SPEAKER/ TITLE | SPEAKER/ TITLE | SPEAKER/ TITLE | SPEAKER/ TITLE | SPEAKER/ TITLE | SPEAKER/ TITLE |
| 1400-1430 | Young Ho Kim (Keynote) Contemporary Scientific Efficacy of <i>Cimicifugae rhizoma</i> | Alain Krief (Keynote) Stereoselective Synthesis of 2,3-Oxidosqualene and Lanosterol Analogues to Determine the Mechanism of Steroid Biosynthesis | Ioannis P. Gerathanassis (Keynote) High Resolution NMR Structures of Natural Products in Solution Based on DFT Calculations of Chemical Shifts vs. Solved by Diffraction Methods: <i>Competitors or Collaborators?</i> | Hameed Khan (Keynote) The Human Genome Project and the Discovery of AZQ (US Patent 4,146,622) for Treating Brain Cancer | | | |
| 1430-1500 | Rami M. Arafah Induction, Elicitation and Determination of Total Secondary Metabolites from <i>In-vitro</i> Growing Cultures of <i>Arbutus andrachne</i> L. | Lalith Jayasinghe Search for Bioactive Compounds from Sri Lankan Medicinal Plants | Syed Ghulam Musharraf Phytochemical Analyses using Liquid Chromatography- Mass Spectrometry: <i>A Solution or A Challenge?</i> | Abdollah Javidan Molecular Docking Study on Anticancer Activity of the Rocaglates and Related Natural Products Containing Cyclopenta[b]benzofuran Derivative | | | |

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|-----------|---|--|--|---|
| 1500-1530 | Anwar. H. Gilani Therapeutic Potential of Functional Foods in Cardiovascular Disorders - <i>Translational Studies</i> | Brunel Jean Michel Natural Polyamines: <i>Synthesis and Biological Evaluation</i> | Hikmat S. Hilal Natural Dye Sensitizers for Nano-semiconductor Photo-Catalysis in Solar-driven Water Purification and Disinfection | Atia-ul-Wahab From Folk Knowledge to Clinical Studies- <i>Examples of our Work in Medicinal Plants-based Drug Discovery</i> |
| 1530-1600 | --- | Nor Azah M.A. Translating the Malaysian Herbal Heritage into High Quality Raw Materials and Products | Sakina Yagi Effect of Solvent and Method of Extraction on Biological Activity and Chemical Constituents of Selected Medicinal Plants | Hafizur Rehman Natural Products as a Vital Source for the Discovery of Antidiabetic Lead Compounds |

1600-1630 Tea Break

1630-1710 Concurrent Session Lectures

| Session-A | | Session-B | | Session-C | | Session-D | |
|---|---|---|---|---|----------------|--|----------------|
| Isolation and Structural Elucidation of Natural Products (Prof. Salimuzzaman Siddiqui Auditorium) Chair: Sahar I. Mostafa Co-Chair: M. Shaiq Ali | | Medicinal and Synthetic Chemistry (L.E.J. Hall A) Chair: Sabira Begum Co-Chair: S. AbouZid | | Analytical Chemistry of Natural Products, and Others (L.E.J. Hall B) Chair: H. S. Hilal Co-Chair: Masood Parvez | | Bioassay Screening, Pharmacology, and Biotechnology (L.E.J. Hall C) Chair: Anna U. K. Kara Co-Chair: F. Shaheen | |
| TIME | SPEAKER/ TITLE | SPEAKER/ TITLE | SPEAKER/ TITLE | SPEAKER/ TITLE | SPEAKER/ TITLE | SPEAKER/ TITLE | SPEAKER/ TITLE |
| 1630-1650 | G.D.A. Privantha Rush and Reed Plants (Cyperaceae & Typhaceae) Used for Traditional Craft Industry in Sri Lanka | Farooq Ahmed Khan A Concise Total Synthesis of Muramyl Dipeptide | Nohad A. AlOmari Organoselenium Compounds as Phytochemicals from the Natural Kingdom | Manal Fardon The Homo-isoflavonoid, 7-O-Methyl-3, 9-dihydropunctatin, Inhibits Serum-induced Synthetic Phenotype of Arteriolar Smooth Muscle Cells | | | |
| 1650-1710 | Ajaz Hussain Phytochemical Analysis, Protein Profiling and Biofabrication Studies on <i>Avenafatua</i> | Mahwish Akhtar Design, Synthesis, Characterization, <i>In-vitro</i> Antimicrobial Studies of Fluoroquinolones-amide Derivatives | Hina Siddiqui Designing of Small-molecule-druggable Chemical Space- <i>Examples of the Lead Discovery for Obesity, Multi Drug Resistance Infections, and Diabetes</i> | Sadia Ajaz Population-specific Significant Clinical Implications of Glutathione S Transferases (<i>GSTM1</i> and <i>GSTT1</i>) Gene Polymorphisms in Epithelial Cancers | | | |

1715-1800 Visit to the ICCBS Laboratories

1820 City & Shopping Visits (For Foreign Guests Only)