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**MONDAY, NOVEMBER 5, 2018**


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- 1800-1900** Registration  
**1900-1945** Inaugural Ceremony  
**1945-2045** International Cultural Festival and Gala Dinner (Participants are requested to wear their traditional/national dresses)  
**2100** Gala Dinner

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**TUESDAY, NOVEMBER 6, 2018**


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

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

**1115-1145** Tea Break

Scientific Program

**1145-1315 Concurrent Invited Lectures**

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

**1315-1400 Lunch / Prayer Break**

## 1400-1600 Concurrent Keynote cum Invited Lectures

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

Scientific Program

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

**1600-1630 Tea Break**

## 1630-1710 Concurrent Session Lectures

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

## 1800 City &amp; Shopping Visits (For Foreign Guests Only)

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**WEDNESDAY, NOVEMBER 7, 2018**

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

**Chair: Richard R. Schmidt**

**Co-Chair: Alain Krief**

<b>TIME</b>	<b>SPEAKER/ TITLE</b>
0900-0945	<b>Tom Simpson</b> Synthesis of New and Extinct Natural Products with Fungal Megasyntases
0945-1030	<b>Michael D. Threadgill</b> Structure-Based Design and Development of Inhibitors of the Tankyrases
1030-1115	<b>Bruno Figadere</b> Recent Progress Towards Total Synthesis of Mycangimycin

**1115-1145 Tea Break**

## 1145-1315 Concurrent Invited Lectures

<b>Session-A</b>		<b>Session-B</b>		<b>Session-C</b>	
Isolation and Structural Elucidation of Natural Products, Bioassay Screening, Biotechnology, and Pharmacology  (Prof. Salimuzzaman Siddiqui Auditorium) <b>Chair: Lalith Jayasinghe</b> <b>Co-Chair: Muhammad Shaiq Ali</b>		Medicinal and Synthetic Chemistry  (L.E.J. Hall A) <b>Chair: Hai-tao Tang</b> <b>Co-Chair: Heng-shan Wang</b>		Analytical Chemistry of Natural Products, and Others  (L.E.J. Hall B) <b>Chair: M. Jamaluddin Ahmed</b> <b>Co-Chair: Yang Yujie</b>	
<b>TIME</b>	<b>SPEAKER/ TITLE</b>	<b>SPEAKER/ TITLE</b>	<b>SPEAKER/ TITLE</b>	<b>SPEAKER/ TITLE</b>	<b>SPEAKER/ TITLE</b>
1145-1215	<b>Ibrahim Jantan</b> Immunosuppressive and Anti-inflammatory Activities of Natural $\alpha,\beta$ -Unsaturated Carbonyl-based Compounds on the Immune Cells of the Innate and Adaptive Immune Systems	<b>Hai-bing Liao</b> Anti-neuroinflammatory Compounds from Ethnic Medicinal Plant of Genus <i>Tinospora</i> in Guangxi Province of China	<b>Nicolas Baldovini</b> Analytical Studies of Fragrant Natural Raw Materials: Toward the Characterization of their Odor Active Constituents		
1215-1245	<b>Shazia Anjum</b> Recent Trends and Scope of Metal Catalysis and Biocatalysis in Green Chemistry	<b>G. D. A. Priyantha</b> Performance and Economic Returns of Cultivating Reed Plants ( <i>Cyperus corymbosus</i> ) in Paddy Fields of Wet Zone for Traditional Craft Weaving Industry in Sri Lanka	<b>Zaheer-ul-Haq</b> Recent Advances and Application of Computational Chemistry Approaches for Drug Discovery		
1245-1315	---	<b>Tahir Mehmood Khan</b> An Observational Longitudinal Study Investigating the Effectiveness of 75 mg Pregabalin Post-Hemodialysis among Uremic Pruritus Patients	<b>Atia-tul-Wahab</b> Nuclear Magnetic Resonance Spectroscopy for Drug Leads and Drug Target Discovery		

Scientific Program

**1315-1400 Lunch / Prayer Break**

**1400-1530 Concurrent Invited Lectures**

<b>Session-A</b>		<b>Session-B</b>		<b>Session-C</b>	
Isolation and Structural Elucidation of Natural Products  (Prof. Salimuzzaman Siddiqui Auditorium) <b>Chair: Viqar Uddin Ahmed</b> <b>Co-Chair: M. Shaiq Ali</b>		Bioassay Screening, Biotechnology, and Pharmacology  (L.E.J. Hall A) <b>Chair: Aris Lacis</b> <b>Co-Chair: Ikram A. Burney</b>		Analytical Chemistry of Natural Products, and Others  (L.E.J. Hall B) <b>Chair: Tufail H. Sherazi</b> <b>Co-Chair: S. Ghulam Musharraf</b>	
<b>TIME</b>	<b>SPEAKER/ TITLE</b>	<b>SPEAKER/ TITLE</b>	<b>SPEAKER/ TITLE</b>	<b>SPEAKER/ TITLE</b>	<b>SPEAKER/ TITLE</b>
1400-1430	<b>Lalith Jayasinghe</b> Endophytic Fungi from Medicinal Plants: A Promising Source of Bioactive Natural Products	<b>Darakhshan Jabeen Haleem</b> Neurochemistry of Pain and Addiction with Morphine	<b>P. Panichayupakaranant</b> Green Extraction and Standardization Methods for Development of Herbal Preparations		
1430-1500	<b>Hesham R. El-Seedi</b> Magic of Natural Secondary Metabolism, and the Un-expected Results!	<b>Wang Qiong</b> Protective Effect of Dammarane Sapogenins Against Cognitive Dysfunction Under Simulated Microgravity in Rats	<b>M. Jamaluddin Ahmed</b> A Highly Sensitive and Selective Spectrofluorimetric Method for the Determination of Lithium at Pico-trace Levels in Some Real, Pharmaceutical Formulations, Biological Fluids and Food Samples Using 5,7-Dibromo-8-hydroxyquinoline		



1500-1530	<p><b>Jian-hua Huang</b> Acoupling Method Based on Hyperspectral Imaging Technique and Pattern Recognition to Distinguish Seed of <i>Peucedanum praeruptorum</i> Dunn and <i>Saposhnikovia divaricata</i> (Trucz.) Schischk</p>	<p><b>Yang Yujie</b> The Depressive-like Behaviors Induced by Simulated Weightlessness in Rats</p>	<p><b>Vinitha M. Thadhani</b> Lichen as A Potential Natural Source of Bioactive Compounds: <i>Future Trends and Prospective Goals in Drug Discovery</i></p>
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**1530-1630 Concurrent Session Lectures**

<p><b>Session-A</b> Isolation and Structural Elucidation of Natural Products (Prof. Salimuzzaman Siddiqui Auditorium) <b>Chair: Shaden Khalifa</b> <b>Co-Chair: Ibrahim Jantan</b></p>		<p><b>Session-B</b> Medicinal and Synthetic Chemistry (L.E.J. Hall A) <b>Chair: Jian-hua Huang</b> <b>Co-Chair: Farzana Shaheen</b></p>		<p><b>Session-C</b> Analytical Chemistry of Natural Products, and Others (L.E.J. Hall B) <b>Chair: M. Iqbal Bhangar</b> <b>Co-Chair: Nicolas Baldovini</b></p>	
TIME	SPEAKER/ TITLE	SPEAKER/ TITLE	SPEAKER/ TITLE	SPEAKER/ TITLE	SPEAKER/ TITLE
1530-1550	<p><b>Rami Arafah</b> Challenges and Opportunities Facing Medicinal Plant Research and Utilization in Palestine</p>	<p><b>Haroon M. Haniffa</b> Synthesis and <i>In Vitro</i> Tyrosinase Activities of Sulphamethazine Derivatives</p>	<p><b>Yan Wang</b> Liquid Chromatography-Mass Spectroscopy-based Urinary Metabolites Study on a Rat Model of Simulated Microgravity-induced Depression and Effects of <i>Hemerocallis citrina</i></p>		
1550-1610	<p><b>Sajan L. Shyaula</b> Alkaloids with Poisonous and Antidote Properties from <i>Aconitum</i> Species</p>	<p><b>Abdul Hameed</b> Semi(Thio)carbazones: <i>Synthetic Approaches</i></p>	<p><b>Ghulam Mustafa</b> Novel Fouling Resistant grafted Membranes for Efficient Separation and Purification Applications</p>		

Scientific Program

1610-1630	<b>Manzoor Ahmad</b> Norditerpenoid Alkaloids from <i>Delphinium uncinatum</i> as Cholinesterase Inhibitors	<b>Farooq Ahmad Khan</b> Modifying Muramyl Dipeptide for Improved Pharmacological Profile	<b>B. M. Kudaibergenova</b> Polymer Gels for Carriers of Medicinal Substances
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**1630-1730 Poster Session and Tea**

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**THURSDAY, NOVEMBER 8, 2018**

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

<b>Chair: Michael D. Threadgill</b>	
<b>Co-Chair: Uli Kazmaier</b>	
<b>TIME</b>	<b>SPEAKER/ TITLE</b>
0900-0945	<b>M. Iqbal Choudhary</b> Herbal Medicine for Health Care in the 21 <sup>st</sup> Century
0945-1030	<b>Alain Krief</b> Concise Semi-industrial Synthesis of Selenomethionine-A <i>Bio-active Amino acid from Plants</i>
1030-1115	<b>Young Ho Kim</b> Discovery of Bioactive Natural Compounds from <i>Araliaceae</i> Plants

**1115-1145 Tea Break**

**1145-1310 Plenary cum Keynote Lectures (Prof. Salimuzzaman Siddiqui Auditorium)**

<b>Chair :</b> Young Ho Kim	
<b>Co-Chair:</b> Jae Youl Cho	
<b>TIME</b>	<b>SPEAKER/ TITLE</b>
1145-1230	<b>Uli Kazmaier</b> (Plenary Lecture) Total Synthesis of Marine Natural Products
1230-1310	<b>Bilge Sener</b> Evaluation of Herbal Medicines for Global Health Care

**1310-1400 Lunch / Prayer Break****1400-1600 Concurrent Session Lectures**

<b>TIME</b>	<b>SPEAKER/ TITLE</b>	<b>SPEAKER/ TITLE</b>	<b>SPEAKER/ TITLE</b>
<b>Session-A</b> Isolation and Structural Elucidation of Natural Products, and Others (Prof. Salimuzzaman Siddiqui Auditorium) <b>Chair: Bilge Sener</b> <b>Co-Chair: Amr Mohamed Nassar</b>		<b>Session-B</b> Medicinal and Synthetic Chemistry (L.E.J. Hall A) <b>Chair: Shulin Zhao</b> <b>Co-Chair: M. Raza Shah</b>	
		<b>Session-C</b> Bioassay Screening, Biotechnology, Pharmacology (L.E.J. Hall B) <b>Chair: Bina S. Siddiqui</b> <b>Co-Chair: S. Abid Ali</b>	
1400-1420	<b>E. A. Garayev</b> Biological Active Compounds of <i>Stachys annua</i> L. from Azerbaijan Flora	<b>Mujeeb-ur-Rehman</b> Nanoparticles from Dexamethasone Prodrugs for Passive Targeting in the Treatment of Inflammatory Diseases (Rheumatoid Arthritis)	<b>Muhammad Kamran Azeem</b> Nematicidal Activity of Major Royal Jelly Protein-containing Glycoproteins from <i>Acacia</i> Honey

Scientific Program

1420-1440	<b>Nargis Jamila</b> A New Triterpine from <i>Garcinia hombroniana</i>	<b>Maria Aqeel Khan</b> <i>In vitro</i> $\alpha$ -Glucosidase Inhibition by Non-sugar Harmine Analogues	<b>Irfan Khan</b> Tissue Engineering Approaches for Osteogenic Differentiation of Mesenchymal Stem Cells and the Formation of 3D Tube-like Structures by Endothelial Cells
1440-1500	<b>Uzma Salar</b> Solid-state NMR Assisted Structural and Dynamics Study of Membrane Lipids in the Presence of Artificial Water Channels (I-Quartets)	<b>Kamala K.Badalova</b> Determination of Aluminium in some Natural Biological Objects	<b>Munazza R Mirza</b> Novel Metal Chelate Affinity Chromatography for Phosphopeptide Enrichment by using Trivalent Lanthanide Ions
1500-1520	---	<b>Shahid Aziz</b> An Efficient Synthesis and Biological Evaluation of Topopyrone C Derivative, A Potent Anti-tumor Natural Product	---

**1530-1630 Closing Ceremony**

**1630-1700 Tea**