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**MONDAY, FEBRUARY 21, 2022**

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- 0800-0900**     **Registration**
- 0930-1045**     **Inauguration Ceremony**  
*(Prof. Salimuzzaman Siddiqui Auditorium), ICCBS*
- 1045-1130**     **Reception**
- 1130-1300**     **Inaugural and Plenary Lectures**  
*(Prof. Salimuzzaman Siddiqui Auditorium)*

<b>Session Chair:</b> Ute Römling	
<b>Time</b>	<b>Speaker/ Title</b>
1130-1215	<b>Atta-ur-Rahman, FRS</b> (Inaugural Lecture) Some Adventures in Natural Product Chemistry and Higher Education
1215-1300	<b>A. Ganesan</b> Gold from Old: Awakening Silent Biosynthetic Gene Clusters

- 1300-1400**     **Lunch / Prayer Break**
- 1400-1600**     **Plenary and Invited Lectures**  
*(Prof. Salimuzzaman Siddiqui Auditorium)*

<b>Session Chair:</b> Nessar Ahmed	
<b>Time</b>	<b>Speaker/ Title</b>
1400-1445	<b>Xinmin Liu</b> China-Pakistan Cooperation on Medicinal Plants: Past, Present, and Future ( <i>On-line</i> ) ( <i>Plenary Lecture</i> )
1445-1530	<b>Zhen-Feng Chen</b> Metal-base Anticancer Agents Basing on New Design Strategy ( <i>On-line</i> ) ( <i>Plenary Lecture</i> )
1530-1600	<b>Ali Awad Aljeboory</b> Haloxylon as an Alternative Nanoscience Medicine in Treatment of Cancer (A New Aspect of Cancer Treatment) ( <i>Invited Lecture</i> )

- 1600-1630**     **Tea Break**
- 1700**             **City & Shopping Visits (For Foreign Guests Only)**
- 2000**             **Dinner (For Foreign Guests Only)**

**TUESDAY, FEBRUARY 22, 2022**

**0900-1030 Plenary Lectures (Prof. Salimuzzaman Siddiqui Auditorium)**

<b>Session Chair:</b> Paul W. Denny	
<b>Time</b>	<b>Speaker/ Title</b>
0900-0945	<b>M. Iqbal Choudhary</b> Discovery of New and Novel Bioactive Molecules
0945-1030	<b>Ehmke Pohl</b> Structure-based Drug Design of Tuberculosis Booster Drugs

**1030-1100 Tea Break**

**1100-1300 Plenary and Invited Lectures**  
(Prof. Salimuzzaman Siddiqui Auditorium)

<b>Session Chair:</b> Farzana Shaheen	
<b>Time</b>	<b>Speaker/ Title</b>
1100-1145	<b>Paul W. Denny</b> Natural Product Antileishmanials: Pleasures and Pitfalls (Plenary Lecture)
1145-1230	<b>Nessar Ahmed</b> <i>Momordica charantia</i> Inhibits Advanced Glycation Endproducts and Promotes Angiogenesis <i>in vitro</i> : Possible Role in Management of Diabetic Wound Healing (Plenary Lecture)
1230-1300	<b>M. Hafizur Rahman</b> Discovery of Lead Molecules from Natural Products for Diabetes Research (Invited Lecture)

**1300-1400 Lunch / Prayer Break**

**1400-1530 Concurrent Invited Lectures (CIL-I)**

<b>Session-A</b> Isolation and Structure Elucidation of Natural Products and Synthetic Chemistry (Prof. Salimuzzaman Siddiqui Auditorium) <b>Session Chair:</b> Sirajuddin		<b>Session-B</b> Pharmacology, Biotechnology and Others (L.E.J. Hall A) <b>Session Chair:</b> Sameh AbouZid	
<b>Time</b>	<b>Speaker/ Title</b>	<b>Speaker/ Title</b>	<b>Speaker/ Title</b>
1400-1430	<b>Farzana Shaheen</b> Discovery and Preclinical Studies of New Drug Candidates for Treatment of Epilepsy and Stroke	<b>Farzad Kobarfard</b> Gastroresistant (Enteric) soft Gelatin Capsules: The Ideal Pharmaceutical Dosage form for Natural Products	

1430-1500	<b>Hesham R. El-Seedi</b> The Role of Secondary Metabolism in Resolving Biological Questions! Unexpected Results	<b>Gholam Reza Talei</b> Chemical Composition, Cytotoxic and Antibacterial Effects of <i>Stachys koelzii</i> Rech.F. Essential Oil against Periodontal Pathogen <i>Prevotella intermedia</i>
1500-1530	<b>Mustafa Ghanadian</b> New Sesquiterpene Lactones from <i>Artemisia kopetdaghensis</i> and <i>Artemisia khorassanica</i> as well as their Cytotoxic and Anti-leishmanial Activities	<b>Gülaçtı Topçu</b> Chemical Profile of Some Marine Macroalgae from Antalya and Dardanelles Coasts of Anatolia (On-line)

### 1400-1530 Concurrent Invited Lectures (CIL-II)

<b>Session-A</b> Isolation and Structure Elucidation of Natural Products and Synthetic Chemistry (L.E.J. Hall B)  <b>Session Chair:</b> Khalid M. Khan		<b>Session-B</b> Pharmacology, Biotechnology and Others (L.E.J. Hall C)  <b>Session Chair:</b> Zaheer Ul-Haq	
<b>Time</b>	<b>Speaker/ Title</b>	<b>Speaker/ Title</b>	
1400-1430	<b>Amir Reza Jassbi</b> Bioactive Terpenoids of Marine Organisms and Terrestrial Plants of Iran	<b>Sijin Yang</b> Progress of Zhilong Huoxue Tongyu Capsules in Prevention and Treatment of Stroke (On-line)	
1430-1500	<b>Sammer Yousuf</b> New Co-crystals of Bioactive Compounds with Improved Physiochemical and Biological Properties	<b>Dong Liang</b> Antineuroinflammatory Ingredients from Ethnic Medicinal Plants of Piper and <i>Sapium</i> genus (On-Line)	
1500-1530	<b>Xishan Huang</b> Polyketide Derivatives & Diversity from Mangrove Endophytic Fungi (On-line)	<b>I.P. Gerothanassis</b> NMR Spectroscopy as Analytical, Metabolomics, and Structural Tool in Natural Products (On-line)	

### 1530-1630 Concurrent Session Lectures (CSL-I)

<b>Session-A</b> Isolation and Structure Elucidation of Natural Products and Synthetic Chemistry (Prof. Salimuzzaman Siddiqui Auditorium)  <b>Session Chair:</b> M. Raza Shah		<b>Session-B</b> Pharmacology, Biotechnology and Others (L.E.J. Hall A)  <b>Session Chair:</b> Gholam Reza Talei	
Time	Speaker/ Title	Speaker/ Title	Speaker/ Title
1530-1550	<b>Vinitha M. Thadhani</b> Sustainable Natural Fabric Dye utilizing Waste Generated through Instant Tea Manufacturing Process	<b>Zehra Batool</b> Plant-based Monoterpenoids: Promising Targets for the Management of Stress	
1550-1610	<b>Samiyah Tasleem</b> Production of Xanthan Gum from <i>Xanthomonas compestris</i> Isolated from Cruciferous Vegetables	<b>Muhammad Nadeem Akhtar</b> Flavokawain B induced Cytotoxicity in two Breast Cancer Cell Lines, MCF-7 and MDA-MB231 and inhibited the Metastatic Potential of MDA-MB231 via the Regulation of Several Tyrosine Kinases <i>in vitro</i>	
1610-1630	<b>Uzma Salar</b> Metabolite Repair NAD(P)H Hydrate Dehydratase Enzyme from Vancomycin-resistant <i>Staphylococcus aureus</i> : Cloning, Expression, Functional Assay by NMR Spectroscopy, and <i>In Vitro</i> ROS Inhibition	<b>Sharmeen Fayyaz</b> Exploring the Indigenous Flora of Pakistan against Breast Cancer Cell Lines	

### 1530-1630 Concurrent Session Lectures (CSL-II)

<b>Session-A</b> Isolation and Structure Elucidation of Natural Products and Synthetic Chemistry (L.E.J. Hall B) <b>Session Chair:</b> Tajnees Pirzada		<b>Session-B</b> Pharmacology, Biotechnology and Others (L.E.J. Hall C)  <b>Session Chair:</b> Mustafa Ghanadian	
Time	Speaker/ Title	Speaker/ Title	Speaker/ Title
1530-1550	<b>Guo-Ru Shi</b> Phytochemistry Investigation of <i>Rehmannia genus</i> (On-line)	<b>Ning Jiang</b> Ginsenoside Rb1 ameliorates Depression-like Behavior Induced by Chronic Social Defeat Stress via BDNF-Trkb Signalling Pathway Activity (On-line)	
1550-1610	<b>Xu-Dong Zhou</b> Studies on Chemical Constituents of <i>Fraxinus hubeiensis</i> Native to China (On-line)	<b>Yanhui Tan</b> Effects of Sesquiterpenoids on Osteoclasts and the Molecule Mechanisms (On-line)	

1610-1630	<p style="text-align: center;"><b>Yupei Yang</b>          Phytochemical Constituents and          Bioactivities Assay Research of the Roots          of <i>Kadsura coccinea</i>- Tujia Ethnomedicine          “Heilaohu”          (On-line)</p>	<p style="text-align: center;"><b>Yixing Qiu</b>          DNAzyme and rGO-based Fluorescence          Assay for Fpg Activity Analysis,          Drug Screening, and Bacterial Imaging          (On-line)</p>
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**1630-1830    Tea Break and Poster Session**

**1830-1930    Visit to the ICCBS Laboratories**

**2000            Dinner (For Foreign Guests Only)**

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**WEDNESDAY, FEBRUARY 23, 2022**

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**0900-1030 Plenary Lectures**  
*(Prof. Salimuzzaman Siddiqui Auditorium)*

<b>Session Chair:</b> Ehmke Pohl	
<b>Time</b>	<b>Speaker/ Title</b>
0900-0945	<b>Ute Römling</b> Physiological Consequences of Horizontal Transfer of A Novel Cyclic Di-nucleotide Second Messenger Signaling System into <i>Escherichia coli</i>
0945-1030	<b>Mustafa Guzel</b> Considering Cancer as a Metabolic Disease: New Medicines and Hopes to Fight with Cancer

**1030-1100 Tea Break**

**1100-1300 Plenary and Invited Lectures**  
*(Prof. Salimuzzaman Siddiqui Auditorium)*

<b>Session Chair:</b> Mustafa Guzel	
<b>Time</b>	<b>Speaker/ Title</b>
1100-1145	<b>Rafat A. Siddiqui</b> Immune Modulating Activities of Ginger and COVID-19 Infection ( <i>On-line</i> ) <i>(Plenary Lecture)</i>
1145-1230	<b>Jörg Rademann</b> Protein-catalyzed Fragment Ligations for the Chemical Evolution of Antivirals and Anti-cancer Drugs ( <i>On-line</i> ) <i>(Invited Lecture)</i>
1230-1300	<b>Masood Parvez</b> Hydrogen Bonding in Natural Products <i>(Invited Lecture)</i>

**1300-1400 Lunch / Prayers Break**

## 1400-1530 Concurrent Invited Lectures

<b>Session-A</b> Isolation and Structure Elucidation of Natural Products and Synthetic Chemistry (Prof. Salimuzzaman Siddiqui Auditorium)  <b>Session Chair:</b> Vinitha M. Thadhani		<b>Session-B</b> Pharmacology, Biotechnology and Others (L.E.J. Hall A)  <b>Session Chair:</b> Syed Abid Ali	
Time	Speaker/ Title	Speaker/ Title	Speaker/ Title
1400-1430	<b>Syed Ghulam Musharraf</b> Mass Spectrometric Approaches in Combatting with the Complexity of Phytochemicals	<b>Qiong Wang</b> Anti-inflammatory Effects of Dandelion Extracts in RAW 264.7 Cells and Zebrafish <i>(On-line)</i>	
1430-1500	<b>Sameh AbouZid</b> Chemical and Biological Studies on Flavonolignans	<b>Atia-tul-Wahab</b> Application of NMR Spectroscopy in Biomolecular Chemistry- An in-sight to Protein Structure and Protein-Ligand Interactions	
1500-1530	<b>Dmitry Nerukh</b> High Performance Molecular Dynamics Modelling of Biomolecules at Multiple Space and Time Scales <i>(On-line)</i>	<b>Shabana U. Simjee</b> Augmenting the Neurogenesis by Natural Product and its Derivatives: A Therapeutic Strategy for Neurodegenerative Diseases	

## 1530-1550 Tea Break

## 1550-1630 Concurrent Session Lectures (CSL-I)

<b>Session-A</b> Isolation and Structure Elucidation of Natural Products and Synthetic Chemistry (Prof. Salimuzzaman Siddiqui Auditorium)  <b>Session Chair:</b> Asmat Salim		<b>Session-B</b> Pharmacology, Biotechnology and Others (L.E.J. Hall A)  <b>Session Chair:</b> Shabana U. Simjee	
Time	Speaker/ Title	Speaker/ Title	Speaker/ Title
1550-1610	<b>Muhammad Saleem</b> Multicomponent Synthesis of 2, 4, 6-Triarylpyridine Analogues as Antibacterial and Antiurease Agents	<b>Imran</b> Pharmacological and Behavioral Evaluation of Fear-reducing and Memory-enhancing Effects of <i>Phyla nodiflora</i> in Rats after UHPLC-MS Analysis and <i>in-silico</i> Studies	
1610-1630	<b>Hina Siddiqui</b> Small Molecule-drug Conjugates: Prospects of New Biological Activities-examples from our work in Medicinal Chemistry	<b>Muniza Shaikh</b> In-silico Identification of Potential inhibitors of Key SARS-CoV-2 3CL Hydrolase (Mpro)	

**1550-1630 Concurrent Session Lectures (CSL-II)**

<p><b><u>Session-A</u></b> Isolation and Structure Elucidation of Natural Products and Synthetic Chemistry (L.E.J. Hall B) <b>Session Chair:</b> Sammer Yousuf</p>		<p><b><u>Session-B</u></b> Pharmacology, Biotechnology and Others (L.E.J. Hall C) <b>Session Chair:</b> Atia-tul-Wahab</p>	
<b>Time</b>	<b>Speaker/ Title</b>	<b>Speaker/ Title</b>	
1550-1610	<p><b>Weifeng Xu</b> Alkaloids from Two Fungi (<i>On-line</i>)</p>	<p><b>Huanghe Yu</b> Biomimetic Hybrid Membrane-coated Xuetongsu Assisted with Laser Irradiation for Efficient Rheumatoid Arthritis Therapy (<i>On-line</i>)</p>	
1610-1630	<p><b>Hassaan Bin-Asif</b> Prevalence, Dissemination and Antibiotic Resistance associated with Soil Environmental Enterococci</p>	<p><b>Waseem Ashraf</b> Combination of Levetiracetam with Sodium Selenite Prevents Pentylentetrazole Induced Kindling and Behavioral Comorbidities in Rats</p>	

**2000 Dinner (For Foreign Guests Only)**



**THURSDAY, FEBRUARY 24, 2022**

**0900-1045 Plenary and Invited Lectures**  
(Prof. Salimuzzaman Siddiqui Auditorium)

<b>Session Chair:</b> Masood Parvez	
Time	Speaker/ Title
0900-0945	<b>Christian Betzel</b> Future Prospects in Structure-based Drug Discovery to Treat Infectious Diseases & Examples ( <i>On-line</i> ) ( <i>Plenary Lecture</i> )
0945-1015	<b>Liang Cao</b> Natural Products Research on Ethnomedicine in Hunan Province Southwestern of China ( <i>On-line</i> ) ( <i>Invited Lecture</i> )
1015-1045	<b>Cong Lu</b> Research and Development of Functional Food for Neuromodulation ( <i>On-line</i> ) ( <i>Invited Lecture</i> )

**1045-1115 Tea Break**

**1115-1255 Concurrent Session Lectures**

<b>Session-A</b> Isolation and Structure Elucidation of Natural Products and Synthetic Chemistry (Prof. Salimuzzaman Siddiqui Auditorium)  <b>Session Chair:</b> Mohammad Abdollahi		<b>Session-B</b> Pharmacology, Biotechnology and Others (L.E.J. Hall A)  <b>Session Chair:</b> M. Hafizur Rahman
Time	Speaker/ Title	Speaker/ Title
1115-1135	<b>Tajnees Pirzada</b> Synthesis of ZnO NPs – A Plant Mediated Approach using <i>Portulaca oleracea</i> (Purslane) Leaves Extract	<b>Ishtiaq Ahmad Khan</b> Genome Sequencing and Analysis of Genomic Diversity in the Locally Transmitted SARS-CoV-2 in Pakistan
1135-1155	<b>Reaz Uddin</b> Finding New and Unique Drug Targets against the Resistant Microbial Pathogens using Computational Biology Methods	<b>Humaira Zafar</b> Identification of Non-steroidal Aromatase inhibitors: An Approach towards the Treatment of Breast Cancer
1155-1215	<b>Farah Khameis Farag Teia</b> <i>In vitro</i> Evaluation of Some Plant Extracts and Essential Oils against <i>Xanthomonas euvesicatoria</i> causing Bacterial Leaf Spots of Tomato in Sudan	<b>Sumaira Javaid</b> Identification of New Lead Molecules against Anticancer Drug Target TFIID Subunit P8 using Biophysical and Molecular Docking Studies

1215-1235	<p><b>Muhammad Imran Malik</b> Development of a Colorimetric Nanosensor for Ciprofloxacin- a Fluoroquinolone</p>	<p><b>Maria Taj Muhammad</b> Eco-friendly, Biodegradable Plant Extract as Natural Surfactant: An Alternative to the Synthetic Surfactants</p>
1235-1255	<p><b>Syed Tarique Moin</b> Establishing Rationale of Gelatinases Inhibition by a Sesquiterpene using Molecular Dynamics Simulations</p>	<p><b>Amna Jabbar Siddiqui</b> XMN Polymorphism along with HU Administration Render Alterations to RBC Membrane Lipidome in <math>\beta</math>-Thalassemia Patients</p>

**1255-1400 Lunch/Prayers Break**

**1430-1530 Closing Ceremony**

**1530 Tea**