

Program of

4th International Conference on Chemistry (ICC) 2023 Hybrid Mode

Theme:
**Modern Trends in Chemical, Biological and Material
Sciences**

March 20-21, 2023



Organized By:

Department of Chemistry, LGU, Lahore-Pakistan

<http://icc.lgu.edu.pk>

Day 1, Monday, March 20, 2023

Opening ceremony 08:00 - 11:00

Venue: Jinnah auditorium

ICC-2023 is inviting you to a scheduled Zoom meeting. Topic: ICC2023 OPENING CEREMONY DAY 1 Time: Mar 20, 2023 09:00 AM Islamabad, Karachi, Tashkent Join Zoom Meeting https://us06web.zoom.us/j/87243939664 Meeting ID: 872 4393 9664	
08:30	Registration
10:00	Arrival of the Chief Guest
10:05	Recitation of the Holy Quran
10:10	Nate e Rasool (PBUH)
10:15	Documentary LGU
10:20	Introductory remarks by Dr. Benjamin E. Partridge , Department of Chemistry, University of Rochester, Rochester, NY 14627, USA
10:30	Welcome address by Major General Shahzad Sikander (HI) M (Retd) , Vice Chancellor, LGU
10:40	Address by the Chief Guest
10:55	Vote of thanks by Dr. Syeda Shaista Gillani , Chairperson Department of Chemistry, LGU
Presentation of Souvenirs	
Tea break + Poster Presentation (11:00- 11:30)	

Day 1, Monday, March 20, 2023

Plenary Session 11:30 - 13:30

Venue: Jinnah Auditorium

Session Chair-I Prof. Dr. Ahmad Adnan Session Chair-II Prof. Dr. Ayesha Mohy ud Din	Session Chair-III Prof. Dr. Abdul Qadir Session Chair-IV Prof. Dr. Munawar Ali Munawar
Moderator: Dr. Sadaf Sarfraz, Department of Chemistry, LGU, Lahore, Pakistan.	
Plenary Lecture-I Dr. Benjamin E. Partridge Assistant Professor, Department of Chemistry, University of Rochester, Rochester, NY 14627, USA <i>Programming the Hierarchical Assembly of Biological and Bioinspired Molecules</i> 11:30-12:00	Plenary Lecture -IV Dr. Muhammad Saeed Associate Professor, Department of Chemistry, SBA School of Science and Engineering, LUMS Lahore <i>Synthesis of Novel Hetrocyclic Compounds and Evaluation for Antiviral Potential</i> 12:40-13:10
Plenary Lecture -II Dr. Mariya-al Rashida Chairperson, Associate Professor, Department of Chemistry, FCCU, Lahore <i>Therapeutic Potentials of Ectonucleotidase Inhibitors Derived from Chromones</i> 12:00-12:20	Plenary Lecture -V Dr. Muhammad Salman Associate Professor, School of Chemistry, University of the Punjab, Lahore <i>Effective use of waste biomass after chemical modification for waste water metal detoxification</i> 13:10 -13:30
Plenary Lecture -III Dr. Nayab Batool Associate Professor, School of Chemistry, University of the Punjab, Lahore <i>Trend of Thyroid dysfunction associated with visible Goiter</i> 12:20-12:40	
Presentation of Souvenirs	
Lunch and Prayer Break (13:30- 14:00)	

Day 1, Monday, March 20, 2023

Technical Session I & II 14:00 - 16:00

Venue: Iqbal Auditorium & Usman Shaukat Hall

Technical Session I Venue: Iqbal Auditorium	Technical Session II Venue: Usman Shaukat Hall
Session Chair-I: Dr. Benjamin E. Partridge Session Chair-II: Dr. Nayab Batool Moderator: Dr. Farwa Batool, Department of Chemistry, LGU, Lahore	Session Chair I: Dr. Mariya-al Rashida Session Chair II: Dr. Muhammad Saeed Moderator: Dr. Affifa Tajammal, Department of Chemistry, LGU, Lahore
Oral Presenter-I Dr. Shagufta Saeed Assistant Professor, Institute of Biochemistry and Biotechnology, UVAS, Lahore <i>Valorization of locally available waste plant leaves for production of tannase and gallic acid by solid- state fermentation</i> 14:00-14:15	Oral Presenter -IX Dr. Saeed Ahmed Assistant Professor, HoD Dept. of Chemistry, University of Chakwal <i>CTAB-assisted development of hierarchical flower-like multimorphology magnesium oxide for phosphate removal</i> 14:00-14:15
Oral Presenter -II Dr. Asma Ashraf Assistant Professor, Department of Zoology,	Oral Presenter-X Dr. Hammad Arshad Assistant Professor, Department of Biology, Lahore

<p>Division of Science and Technology UE, Lahore, Pakistan <i>Isolation and Characterization of Endomicrobes from the Hindgut of Microtermes obesi and their Plant Based Control</i> 14:15-14:30</p>	<p>Garrison University, Lahore. <i>Green synthesized synthesis of silver nanoparticles and their antibacterial potential</i> 14:15-14:30</p>
<p>Oral Presenter -III Dr. Iqra Zubair Awan Dept. of Chemistry, LGU Lahore <i>Oxalic Acid Medium for Metal Recovery from Layered Double Hydroxides Derived Mixed Oxides Catalysts</i> 14:30-14:45</p>	<p>Oral Presenter-XI Dr. Sidra Farid Assistant Professor, Department of Chemistry, Government College University Katcheri Road Lahore, Lahore <i>Smart Textiles to Sniff out the Toxic Gases</i> 14:30-14:45</p>
<p>Oral Presenter -IV Dr. Ariba Farooq Assistant Professor, Dept. of Chemistry, University of Lahore <i>Development of grapheme oxide loaded biocomposites films for controlled drug delivery and angiogenesis in wound healing.</i> 14:45-15:00</p>	<p>Oral Presenter-XII Ms. Hira Amjad Department of Chemistry, Government College University Katcheri Road Lahore, Lahore <i>Synthesis, in vitro and in silico assessment of potential drug molecules having 3,5-disubstituted-1,2,4-triazole moiety. From scratch to bioactivities</i> 14:45-15:00</p>
<p>Oral Presenter –V Mr. Abdullah Shoaib School of Science Institute of Chemistry, UMT, Lahore <i>Tailoring of Novel Empagliflozin Sodium Glucose co-transporter 2 (SGLT2) Inhibitor, Loaded Zinc Oxide Nanoparticles for Anti-Diabetic Activity</i> 15:00-15:15</p>	<p>Oral Presenter -XIII Ms. Rafia Imtiaz Department of Chemistry, GCU Lahore, Lahore <i>Evaluation of Metal Foam Supported nanocomposites as electrocatalysts for Water Splitting</i> 15:00-15:15</p>
<p>Oral Presenter -VI Ms. Rabia Muazzam Govt. Queen Mary Graduate College, Lahore <i>Lignin Activation and Vanillin Synthesis Using Plasma Assisted Ozone Reactor</i> 15:15-15:30</p>	<p>Oral Presenter -XIV Mr. Muhammad Salman Muhsan Department of Chemistry, GCU Lahore, Lahore <i>Synthesis of bifunctional Cobalt Iron Borate catalyst for generation of hydrogen from alkaline sodium borohydride and Catalytic Applications in Reduction of 4-Nitrophenol</i> 15:15-15:30</p>
<p>Oral Presenter -VII Mr. Numan Ahmed Department of Chemistry, Zhejiang University, China <i>Silsesquioxanes-Based Nanolubricant Additives with High Thermal Stability, Superhydrophobicity, and Self-cleaning Properties</i> 15:30-15:45</p>	<p>Oral Presenter -XV Dr. Sehrish Firyal Associate Professor, Institute of Molecular Biology and Biotechnology, University of Veterinary and Animal Sciences, Lahore-Pakistan <i>Genetic Markers assisted selection of mastitis resistant dairy cattle</i> 15:30-15:45</p>
<p>Oral Presenter -VIII Ms. Mamoonia Riaz School of Science Institute of Chemistry, UMT, Lahore Electrochemical CO₂ Reduction by Iron Porphyrin Complexes 15:45-16:00</p>	
<p>Concluding Remarks and Souvenir Distribution by Session Chair (15:45- 16:00)</p>	<p>Concluding Remarks and Souvenir Distribution by Session Chair (15:45- 16:00)</p>

Day 2, Tuesday, March 21, 2023
Plenary Session (Online Session) 08:30 - 12:00
Venue: Jinnah Auditorium

<p>ICC-2023 is inviting you to a scheduled Zoom meeting. Topic: ICC2023 ONLINE TALK SESSION Time: Mar 21, 2023 08:00 AM Islamabad, Karachi, Tashkent Join Zoom Meeting https://us06web.zoom.us/j/84227872614 Meeting ID: 842 2787 2614</p>	
<p>Session Chair-I Dr. Aisha Waheed Qureshi Session Chair-II Dr. Muhammad Hafeez</p>	<p>Session Chair-III Dr. Syeda Shaista Gillani Session Chair-IV Dr. Rahman Shah Zaib Saleem</p>
<p>Moderator: Dr. Farwa Batool, Department of Chemistry, LGU, Lahore, Pakistan.</p>	
<p>Keynote Speaker-I (Online) Prof. Dr. Jochen Bodem Institut für Virologie und Immunbiologie University of Würzburg, Germany <i>The serotonin reuptake inhibitor Fluoxetine inhibits SARS-CoV-2 - characterization of the antiviral</i> 08:40-9:55</p>	<p>Keynote Speaker-V (online) Dr. Shakeel Ahmad Shahid Deputy Local Safety Officer Switzerland & Liechtenstein Chirality or Sidedness in Nature 10:40-10:55</p>
<p>Oral Presenter-XVI (Online) Dr. Bilal Ahmad Khan Department of Chemistry, University of Azad Jammu and Kashmir, KAC, Muzaffarabad, 13100, AJK, Pakistan <i>Synthesis and Evaluation of Novel S-alkyl phthalimide- and S-benzyl-oxadiazole-quinoline Hybrids as Inhibitors of Monoamine Oxidase and Acetylcholinesterase</i> 9:55-10:05</p>	<p>Keynote Speaker-VI (online) Prof. Dr. Abbas Khan Department of Chemistry, Abdul Wali Khan University, Mardan 23200, KPK, Pakistan <i>Fabrication and Characterization of CuO-SiO₂ Based Nanocomposites for Photocatalytic and Biological Applications</i> 10:55-11:10</p>
<p>Keynote Speaker-II: (online) Prof. Dr. Khalid Mohammed Khan H. E. J. Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi, Karachi-75270, Pakistan <i>Synthesis of molecular hybrids as highly effective anti-leishmanial agents</i> 10:05-10:20</p>	<p>Keynote Speaker-VII (online) Professor Dr. Muhammad Sultan Department of Physics, Kohsar University, Murree Punjab, Pakistan Emergence of Perovskite Solar Cells as Solution Processed Technology for Smart Energy Harvesting 11:10-11:25</p>
<p>Keynote Speaker-III (online) Dr. Amanullah Associate Professor, Department of Chemistry, University of Alberta, Canada <i>Efficient conversion of carbon dioxide (CO₂) and crude glycerol into value-added products</i> 10:20-10:40</p>	<p>Keynote Speaker-VIII (online) Dr. Atif Emre Demet Department of Energy Systems Engineering, Necmettin Erbakan University, Konya, Turkiye <i>Modern Trends of Worldwide Active and Granted Lignin Patents</i> 11:25-11:40</p>

Keynote Speaker-IV (onsite) Dr. Rahman Shah Zaib Saleem Associate Professor, Department of Chemistry, SBA School of Science and Engineering, LUMS Lahore 11:40-11:50	Keynote Speaker-IX (online) Prof. Dr. Francesco Di Renzo ICGM, University of Montpellier-CNRS-ENSCM, Montpellier, France <i>Catalytic Hydrogen Transfer, Evaluation of an Alternate Tool for Redox Reaction</i> 11:50-12:00
Presentation of Souvenirs	

Day 2, Tuesday, March 21, 2023
Technical Session III & IV 12:00 - 13:30
Venue: Iqbal Auditorium & Usman Shaukat Hall

Technical Session III Venue: Iqbal Auditorium	Technical Session IV Venue: Usman Shaukat Hall
Session Chair-I: Dr. Roheela Yasmin Session Chair-II: Dr. Zeeshan Mustafa	Session Chair-I: Dr. Naureen Naeem Session Chair-II: Dr. Syeda Mona Hassan
Moderator: Dr. Sadaf Sarfraz, Department of Chemistry, LGU, Lahore	Moderator: Dr. Affifa Tajammal, Department of Chemistry, LGU, Lahore
Oral Presenter -XVII Mr. Sajid Hussain Dept. of Chemistry, UMT Lahore <i>Development of Biochar Based Eletro Catalytic Material for Electrochemical Applications</i> 12:00-12:10	Oral Presenter -XXII Dr. Zeeshan Mustafa Assistant Professor, Dept. of Physics, LGU Lahore <i>Manipulation Exchange bias via Electric Field Driven Ion Implantation in All-Solid-State Li-Ion Redox Capacitor Structure</i> 12:00-12:10
Oral Presenter -XVIII Dr. Farwa Batool Assistant Professor, Dept. of Chemistry, LGU, Lahore <i>Discovering Direct-Acting Antiviral Potential Drugs by Targeting NS2B/NS3 Dengue Virus Protease</i> 12:10-12:20	Oral Speaker-XXIII Ms. Noor Ul Huda Dept. of Chemistry, LUMS, Lahore <i>Development of Silica-supported Catalysts for Depolymerization of Lignocellulosic Biomass via Lignin-first approach</i> 12:10-12:20
Oral Speaker-XVIX Ms. Ramsha Saleem Dept. of Chemistry, GC Lahore <i>An Efficient Sponge like Ag₂SnO₃ Nanocatalyst for Selective Electroreduction of CO₂ to Formate</i> 12:20-12:30	Oral Presenter –XXIV Ms. Shanza Rauf Khan Lecturer, Department of Chemistry, University of Agriculture, Faisalabad 38000, Pakistan <i>Synthesis of Iron Sulfide Nanoparticles As Anti-Tick And Fuel Additive</i> 12:20-12:30
Oral Presenter -XX Mr. Ali Raza Dept. of Chemistry, University of Lahore, Lahore <i>Molecular Modeling of Pyrrolo-Pyrimidine Based Analog as Potential FGFR1 Inhibitors</i> 12:30-12:40	Oral Presenter -XXV Ms. Saleha Imran Dept of Chemistry, LCWU, Lahore <i>Synthesis of Iron Oxide/Chitosan Nanocomposites – An Effective Approach Towards Environment Protection</i> 12:30-12:40

Oral Presenter-XXI Dr. Saz Muhammad Assistant Professor, Department of Chemistry, LGU, Lahore <i>Functional POSS based polyimide nanocomposite for enhanced structural, thermal, antifouling and antibacterial properties.</i> 12:40-12:50	
Concluding Remarks and Souvenir Distribution (12:50- 13:00)	Concluding Remarks and Souvenir Distribution (12:50- 13:00)
Lunch Break (13:30- 14:00)	

Day 2, Tuesday, March 21, 2023
Technical Session V & VI 14:00 - 15:00
Venue: Iqbal Auditorium & Usman Shaukat Hall

Technical Session V Venue: Iqbal Auditorium	Technical Session VI Venue: Usman Shaukat
Session Chair-I: Dr. Muhammad Sarmad Arshad Moderator: Dr. Affifa Tajammal, Department of Chemistry, LGU, Lahore	Session Chair-I: Dr. Muhammad Hafeez Moderator: Dr. Farwa Batool, Department of Chemistry, LGU, Lahore
Oral Speaker-XXVI Dr. Muhammad Tariq Associate Professor, Institute of Chemical Sciences, Bahauddin Zakariya University, Multan, Pakistan <i>Synthesis, spectroscopic characterization, antimicrobial and DNA interaction studies of organotin(IV) carboxylates</i> 14:00-14:15	Oral Speaker-XXIX Dr. Sana Ahmad Associate Professor, Lahore College For Women University, Lahore <i>Synthesis of Iron Oxide/Chitosan Nanocomposites – An Effective Approach Towards Environment Protection</i> 14:00-14:15
Oral Speaker-XXVII Mr. Ammar Hassan Jiskani Dept. of Chemistry, LUMS Lahore <i>Expeditious Synthesis and Anti-viral Evaluation of 1,2,4-oxadiazoles against DENV NS2B/NS3Protease</i> 14:15-14:30	Oral Speaker-XXX Dr. Saima Naz Assistant Professor, Department of Chemistry, University of Education Lahore, Faisalabad Campus, 38000 Pakistan <i>Ag doped β-SiC graphene nanoparticles with amplified electrical, Photocatalytic, and antibacterial activity: An accelerated flashing version.</i> 14:15-14:30
Oral Speaker-XXVIII Ms. Sana Mansoor Research Associate, University of Management and Technology C-II, Johar Town, Lahore, Pakistan <i>A facile method for the Nano Theranostics fabrication of composite CuO-GO-Ag; by using Fagonia arabica for the Antioxidant and Anti-Inflammatory Activity</i> 14:30-14:45	Oral Speaker-XXXI Mr. Masood Zafar Department of Chemistry, University of Education Lahore-Pakistan <i>Facile synthesis of Polyaniline/Titania/CNTs based hybrid nanocomposites and their applications supercapacitors applications.</i> 14:30-14:45
Concluding Remarks and Souvenir Distribution by Session Chair (14:45-15:00)	

Day 2, Tuesday, March 21, 2023

Closing Ceremony 15:00 - 16:00

Venue: Jinnah Auditorium

ICC-2023 is inviting you to a scheduled Zoom meeting.

Topic: ICC2023 CONFERENCE CLOSING CEREMONY

Time: Mar 21, 2023 02:00 PM Islamabad, Karachi, Tashkent

Join Zoom Meeting

<https://us06web.zoom.us/j/87024164406>

Meeting ID: 870 2416 4406

15:00	Arrival of Chief Guest
15:05	Recitation of the Holy Quran
15:10	LGU Documentary
15:15	Address by the Guest of honors
15:30	Address by the Chief Guest
15:40	Concluding Remarks by Conference Chair, Col. Dr. Muhammad Amjad Khan (Retd) Dean Basic science, LGU

Presentation of Souvenirs, Tea and Group Photo

Note: The Conference program is final. Please ensure your attendance during the Conference by sending your confirmation email