



### Conference Program, 27<sup>th</sup> January 2022, Day-I

#### Timeline

##### Inauguration

Jinnah Auditorium, GCWUF

9:00-10:00 am PST

09:00-10:00am	<p>Inauguration,            Recitation from the Holy Quran by Ms Hafiza Hafsa            Naat-e-Rasool e Maqbool by Ms Hira Rafique            Remarks by Prof. Dr Imran Asghar, International Chair, Aalto University, Finland            Vote of Thanks by Dr. Zill-i-Huma Nazli, National Chair            Remarks by Chief Guest, Prof Dr Iqrar Ahmad Khan, Vice Chancellor, University of Agriculture. Faisalabad.            Word of wisdom by Patron in Chief, Prof Dr Robina Farooq, Vice Chancellor GCWUF            Distribution of Shields/Certificates</p>
<h5>Plenary Lecture</h5> <p>Jinnah Auditorium, GCWUF            10:00-11:00 am PST</p>	
10:00-10:30am	<p>Prof. Dr. Mark G. Molony. Department of Chemistry, University of Oxford. United Kingdom. Natural products as Inspiration for New Chemistry in Antibacterial and Materials Science</p>
10:30-11:00am	<p>Prof. Dr. Muhammad Saeed Iqbal. Professor of Inorganic &amp; Analytical Chemistry, Forman Christian College. Lahore. Hemicelluloses as Drug Delivery Materials</p>

## Tea Break & Poster Session

Sports Ground, GCWUF

11:00-11:30 am PST

Poster Session Convener: Dr Abida Kausar

Poster Evaluation Committee: Prof. Dr Muhammad Saeed Iqbal

Prof. Dr. Zaib un Nisa

Dr. Zill-I-Huma Nazli

1.	Aqsa Hanif, Department of Botany, University of Agriculture, Faisalabad. Human Lung Cancer Targeted Cytotoxicity, Nuclear Condensation, and Mitochondrial Membrane Potential of <i>Nepeta Paulsenii</i> , A Perennial Herb
2.	Muhammad Saeed, Department of Chemistry, GC University Faisalabad. Silver loaded alumina (Ag-Al <sub>2</sub> O <sub>3</sub> ): An effective visible light active photocatalyst for aqueous phase degradation of methylene blue dye
3.	Asma Munir. Department of Chemistry, GC Women University, Faisalabad. Aquatic Pollution of Microplastics and its Effects on Wildlife
4.	Umme Habibah Siddiqua, Department of Chemistry, University of Jhang. Effect of Reactive Group Chemistry on Printing Properties of Newly Synthesized Reactive Dyes Applied on Cellulosic Fabric
5.	Abdul Momin. National University of Medical Sciences (NUMS), Rawalpindi. Epidemiology of Iron Deficiency Anemia in Women of Reproductive Age Group - a Global Perspective
6.	Uzma Arshad. Department of Chemistry, GC Women University, Faisalabad. Nonwoven Hygiene Material: Sanitary Pads
7.	Shafiq-ur-Rehman, Department of Chemistry, University of Agriculture, Faisalabad. Novel Phenolic Compounds as Potential Therapeutic Candidates Against SARS-Cov-2, Using Quantum Chemistry, Molecular Docking and Dynamic Studies
8.	Sadia Noor, University of Agriculture, Faisalabad. Interaction of Victoria Blue dye in anionic and cationic micellar media: Spectroscopic study
9.	Farah Yasmin. Department of Chemistry, GC Women University, Faisalabad. Serum: Wonderful Skincare Product
10.	Sana Ijaz, Department of Chemistry, GC Women University, Faisalabad. Synthesis, Characterization, Docking Study and Anti-Cancer Evaluation of Novel 5-Fluorouracil Derivatives Against Hct-116 Colorectal Cell Lines
11.	Humaira shafi. Department of Chemistry. GC Women University, Faisalabad. Adsorption process optimization for removal of selected dyes from polluted water using graphene oxide/ cellulose-based composite

12.	Kinza. Department of Chemistry, GC Women University, Faisalabad. Optimizing cellulose-chitosan based composite for adsorption of ciprofloxacin from aqueous solution: Experimental and theoretical studies
13.	Dr. Rehana Naseer, Department of Chemistry, GC Women University, Faisalabad. Inhibitory Potential of fruit wastes against the Biosynthesis of Aflatoxins by <i>Aspergillus</i> Species in Wheat Grains.
<b>Session-I: Nano-Chemistry &amp; Nano-Technology Applications</b> Jinnah Auditorium, GCWUF 11:30am-01:40 pm PST	
Chair: Prof. Dr. Khalid Mehmood Zia, Department of Applied Chemistry, GC University, Faisalabad	
Co-Chair: Dr. Muhammad Kashif Saleemi, University of Agriculture, Faisalabad	
Session Convener: Dr Farhat Jubeen, Department of Chemistry, GC Women University Faisalabad	
11:30-11:50 am PST	Invited Talk: Dr Yasir Nawab. Director (Dean) School of Engineering & Technology, NTU. Sustainable Development Goals as Driver in Textiles and Materials Research and Role of Natural Sciences
11:50-12:10 pm PST	Invited Talk: Dr Akhtar Hayat. Department of Chemistry, COMSATS University Lahore Campus. Nanotechnology an emerging area for biosensors; defining key roles of nanomaterials in construct of biosensors
12:10-12:25 pm PST	Samina Jam Nazeer Ahmad, Department of Botany, University of Agriculture Faisalabad, Pakistan. Efficacy of <i>Azadirachta indica</i> fabricated zinc nanomaterial for the management of <i>Rhopalosiphum padi</i> L. ( <i>Hemiptera: Aphididae</i> )
12:25-12:40 pm PST	Dr. Shumaila Kiran, Department of Applied Chemistry, Government College University, Faisalabad, Pakistan. Green synthesis of magnesium oxide nanoparticles using <i>Azadirachta indica</i> leaves for mitigation of Reactive Red 195 dye
12:40-12:55 pm PST	Dr Sameera Shafi, Department of Chemistry, The Islamia University of Bahawalpur, Bahawalnagar campus. Synthesis of Silica Aerogel/Glass Fiber Composites with Improved Insulation and Mechanical Performance
12:55-01:10 pm PST	Numan Ahmed, Zhejiang University, Hangzhou, PR China. Silsesquioxanes-Based Nanolubricant Additives with High Thermal Stability, Super hydrophobicity, and Self-cleaning Properties
01:10-01:25 pm PST	Farah Yasmin, Department of Chemistry, Govt College Women University, Faisalabad. Synthesis and Characterization of Nano-Silicon Dioxide and Its Effects on Plants: A Review
01:25-01:40 pm PST	Ateeq-ur-Rehman, University of Agriculture, Faisalabad. Behaviour of FePc Molecules on the two-four fold Cu Facets.
<b>Session II: Emerging Technologies in Environmental Sciences</b> Video Conference Room, GCWUF 11:30am-01:50 pm PST	

Chair: Prof. Dr Haq Nawaz Bhatti, University of Agriculture, Faisalabad	
Co-Chair: Dr Muhammad Shahid, University of Agriculture, Faisalabad	
Session Convener: Dr Sadia Nazir, GC Women University Faisalabad	
11:30-11:50 am PST	Invited Talk: Dr. Javed Iqbal, Department of Chemistry, University of Agriculture, Faisalabad. Designing of Organic Functional materials for optoelectronic applications
11:50-12:05 pm PST	Zakira Tullah, University of Wah, Wah Cantt. Investigation of Catalytic Properties of Fish Scales Based Material.
12:05-12:20pm PST	Iqbal Rahat, Centre for Applied Chemistry, School of Chemistry, Punjab University, Lahore. Extraction of Cellulose, Lignin and their Application in Cosmetic Industry and Dye Removal
12:20-12:35 pm PST	Dr. Hafiz M Abdul Qayyum, Department of Chemistry, University of Education Lahore, Faisalabad Campus. Faisalabad-Pakistan Patterns of Essential/Toxic Metals Distribution in the Blood of Diabetes Mellitus Patients in Comparison with Healthy Donors
12:35-12:50 pm PST	Ume Ayman, Centre for Applied Chemistry, School of Chemistry, University of the Punjab, Lahore. Removal of Organic / Inorganic Pollutants from Waste Water through Activated Carbon Prepared from Apricot Pits
12:50-01:05 pm PST	Maria Khalid, Department of Chemistry, University of Agriculture, Faisalabad. Effect of Economically Viable Chemical Stripping Treatment on Unevenness of Natural Dyed Cotton Fabric
01:05-01:20 pm PST	Amna Yousaf. Department of Chemistry, GC University, Faisalabad. Solubilization and Micellar Enhanced Ultrafiltration for the removal of single and multiple pollutants in single cell by polymeric membranes.
01:20-01:35 pm PST	Dr. Muhammad Usman. Department of Chemistry, GCUF. Ionic flocculation for Removal of Pollutants from Synthetic waste water
01:35-01:50 pm PST	Muhammad Saeed, Department of Chemistry, GCUF. Synthesis and Characterization Co-Doped-ZnO and Evaluation of its Photocatalytic Activity Towards Photodegradation of Methyl Orange
<b>Lunch break</b> <b>Sports Ground</b> <b>01:50-02:45 pm</b>	
<b>Session III: Frontiers in Nutrition: Food Chemistry</b> <b>Jinnah Auditorium, GCWUF</b> <b>02:45- 04:40 pm</b>	
Chair: Dr Misbah Sultan, Centre for Applied Chemistry, School of Chemistry, University of the Punjab, Lahore.	
Co-Chair: Dr. Asim Mansha, Department of Chemistry, Govt College University, Faisalabad.	
Session Convener: Dr Farhat Jubeen, GC Women University Faisalabad.	
02:45- 03:05 pm PST	Invited Talk: Prof. Dr. Farooq Anwar, Department of Chemistry, University of Sargodha, Sargodha Recent Trends for Extraction of High-Value Bioactive /Functional Components

03:05- 03:25 pm PST	Invited Talk: Dr. Muhammad Kashif Saleemi, Department of Pathology, University of Agriculture, Faisalabad. Mycotoxins: Human-Animal-Environment Interface.
03:25- 03:40 pm PST	Naseem Zahra, PCSIR, Lahore. Aflatoxin exploration in basmati brown rice collected from various locations of Lahore, Pakistan
03:40-03:55pm PST	Dr. Misbah Sultan, Centre for Applied Chemistry, School of Chemistry, University of Central Punjab, Lahore Extraction of Keratin from Chicken Feathers and Its Application in Cosmetic.
03:55- 04:10 pm PST	Abdul Momin, National University of Medical Sciences, Rawalpindi. Effect of Prebiotics & Iron Fortificants on Production of Short-Chain Fatty Acids in Iron Deficient Female Sprague Dawley Rats
04:10- 04:25pm PST	Dr. Kulsoom Ghulam Ali. Synthesis, structural characterization, biological efficiency and antioxidant studies of 2-thiophene methylamine-based Schiff bases and their Fe(II), Co(II), Ni(II) and Cu(II) complexes
04:25- 04:40 pm PST	Nawal Ashraf. CAS Key Laboratory of Nanosystem and Hierarchical Fabrication, National Center for Nanoscience and Technology, University of Chinese Academy of Sciences, China. Carbon-based Nanomaterials for Advanced Flexible Lithium-Ion Batteries
<p><b>Fun Gala &amp; Dinner</b></p> <p>Chiniot Palace, 106-C, Main Jaranwala Road, Block C People's Colony No 1, Faisalabad, Punjab 38000</p> <p>07:00- 10:00 pm PST</p>	