

## Conference Program, 28<sup>th</sup> Jan-2022, Day-II

| <b>Timeline</b>   |   |
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| Jinnah Auditorium, GCWUF<br>09:00-09:15 am PST  |   |
| 09:00-09:15 am PST  | Inauguration<br>Recitation from the Holy Quran Ms Hafiza Hafsa<br>Naat-e-Rasool e Maqbool by Ms Hira Rafique  |
| <b>Plenary Lecture</b><br>Jinnah Auditorium, GCWUF<br>09:15-09:45 am PST  |   |
| 09:15-09:45 am PST  | <b>Plenary Lecture:</b> Prof. Dr. Najam ul Haq, Division of Analytical Chemistry, Institute of Chemical Sciences, Bahauddin Zakariya University, Multan. Materials and Functionalized Chemistry for Biomolecules Analysis in Diagnostics  |
| <b>Tea Break</b><br>Sports Ground, GCWUF<br>09:45-10:15 am PST  |   |
| <b>Session-I : Natural &amp; Synthetic Medicinal and Pharmaceutical Sciences</b><br>Committee Room, GCWUF<br>10:15am-12:45 pm PST   |   |
| Chair: Prof. Dr. Muhammad Kaleem Khosa, Department of Chemistry, GC University Faisalabad.<br>Co-Chair: Dr Matloob Ahmad, Department of Chemistry, GC University, Faisalabad.<br>Session Convener: Dr Rehana Naseer, Department of Chemistry, GC Women University Faisalabad. |   |
| 10:15-10:35 am PST  | Invited Talk: Dr Muhammad Naeem Qaisar, College of pharmacy, university of Sargodha, Sargodha. Nutraceutical, prospects and challenges  |
| 10:35-10:50 am PST  | Manam Walait, University of Central Punjab Lahore. Single Cell Protein (SCP): A comprehensive review  |
| 10:50-11:05 am PST  | Dr. Muhammad Adnan Iqbal, Organometallic & Coordination Chemistry Laboratory, Department of Chemistry, University of Agriculture Faisalabad. Potential of silver against human colon cancer: (synthesis, characterization and crystal structures of xylyl (Ortho, meta, & Para) linked bis-benzimidazolium salts and Ag(I)-NHC complexes: In vitro anticancer studies |

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| 11:05-11:20 am PST   | Mahvish Abbasi, Department of Chemistry, University of agriculture, Faisalabad. Green synthesis of Organoselenium Compounds, their DFT Studies, Biological Potential, and study of their 3D interaction with protein molecules by Molecular Modelling         |
| 11:20-11:35 am PST   | Dr. Sarosh Iqbal, Department of Applied Chemistry, GC University, Faisalabad. Synthesis of ethyl esters of 2-hydroxypyrimidine as pharmaceutical agents   |
| 11:35-11:50 am PST   | Dr. Zulfiqar Ali Khan. Department of Chemistry, GC university, Faisalabad. Design and synthesis 1,2,4-triazole-3-thiol analogues to evaluate their angiogenesis response  |
| 11:50-12:05 pm PST   | Uzma Arshad, Department of Chemistry, GC Women University, Faisalabad. Structure-Based Designing, Solvent Less Synthesis of 1,2,3,4-Tetrahydropyrimidine-5-carboxylate Derivatives: A Combined In Vitro and <i>In Silico</i> Screening Approach               |
| 12:00-12:15 pm PST   | Munazzah Yaqoob. Department of Chemistry, University of Agriculture, Faisalabad. Theoretical calculation of Selenium N-heterocyclic carbene compounds through DFT studies: Synthesis, Characterization and biological potential                               |
| 12:15-12:30 pm PST   | Muhammad Shoaib, Department of Chemistry, Government Graduate College Samanabad Faisalabad. Osteogenic and antibacterial copper doped mesoporous bioactive glass nanoparticles: in vitro cyclophosphamide delivery to the U <sub>2</sub> OS cancer cell line. |
| 12:30-12:45 pm PST   | Alina Nazir, Department of Chemistry, GC Women University, Faisalabad. Study of Selected Sulfonamide Removal Efficiency in Constructed Wetlands Coupled with Microbial Fuel Cell Model System   |
| <b>Session II :Smart &amp; Sustainable Development in Materials Manufacturing and Energy</b><br>Jinnah Auditorium, GCWUF<br>10:15 am-12:45 pm PST  |   |
| Chair: Prof. Dr Tahir Hussain. Dean, School of Science, National Textile University Faisalabad Pakistan<br>Co-Chair: Prof. Dr Muhammad Abid Rashid, Principal, University of Education, Faisalabad.<br>Session Convener: Dr Farhat Jubeen, GC Women University Faisalabad. |   |
| 10:15-10:35 am PST   | Invited Talk: Prof. Dr Khurram Joya. Recent Innovations in Nanoscale Catalysis for Water Splitting and Synthetic Fuels  |
| 10:35-01:55 am PST   | Invited Talk: Prof. Dr. Zaib-Un-Nisa Hussain, Centre for Applied Chemistry, School of Chemistry, University of the Punjab, Lahore "Plastic pollution and bioplastic materials"  |
| 01:55-11:15 am PST   | Invited Talk: Dr Hammad Majeed, University of Management and Technology, Sialkot Campus. Interdisciplinary Research in the Textile Circular Economy   |
| 11:15-11:30 am PST   | Muhammad Ehsan Sarwar, University of Central Punjab. Simulating the Effects of Construction Materials in Different Climate Zones of Pakistan for the Design of Zero-Energy Buildings  |

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| 11:30-11:45 am PST | Dr. Asim Mansha, Department of Chemistry, GC University, Faisalabad. Experimentally determined Photophysical and computational studies of 7-Hydroxycoumarin                                    |
| 11:45-12:00 pm PST | Dr. Shamsa Bibi. Department of Chemistry, University of Agriculture, Faisalabad. Gemcitabine-Based Anticancer Drug with Metal-Doped BN24 as a Drug Delivery Carrier: Density Functional Theory |
| 12:00-12:15 pm PST | Sumreen Poshmal. Department of Chemistry, Quaid-e-Azam University, Islamabad. Chromium Doped Lanthanum Cerates: Synthesis, Characterization and Hydrazine Electrocatalysis                     |
| 12:15-12:30 pm PST | Maria Arooj. GC University Faisalabad. Synthesis of lignite/ZnO hybrid material for removal of some toxic metal ions from water  |
| 12:30-12:45 pm PST | Irfan Jamil, School of Electrical Engineering, Southeast University, China. Excess energy evaluation based on performance ratio for large-scale solar project (lssp)                           |

### Session III : Rational Drug Designing and Discovery

Video Conference Room, GCWUF

10:15am-12:40 pm PST

Chair: Prof. Dr Amir Jamil, Department of Biochemistry. University of Agriculture, Faisalabad.

Co-Chair: Dr. Muhammad Anjum Zia, Department of Biochemistry. University of Agriculture, Faisalabad.

Session Convener: Dr Sadia Nazir, GC Women University Faisalabad.

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| 10:15-10:35 am PST | Invited Talk: Prof. Dr. Muhammad Rafique, University of Central Punjab, Lahore. Mathematical Modeling of Infectious Diseases Dynamics-A Covid Perspective   |
| 10:35-10:55 am PST | Invited Talk: Dr Muhammad Shahid. Department of Chemistry, University of Agriculture, Faisalabad.   |
| 10:55-11:10 am PST | Asif Shahzad, GC University, Faisalabad. Isolation and characterization of novel serine protease inhibitors for the treatment of microbial infections   |
| 11:10-11:25 am PST | Nida Naz, GC Women University, Faisalabad. Phytochemical and Biological analysis of <i>Moringa olifera</i> based on its broad-spectrum applications in pharmaceuticals  |
| 11:25-11:40 am PST | Dr. Muhammad Imran Din. School of Chemistry. University of the Punjab. Lahore. Scale up Synthesis of Monodispersed and Stable ZnO Nanoparticles and their Potential Applications  |
| 11:40-11:55 am PST | Attia Kanwal, GC University, Faisalabad. Zinc(II), Cadmium(II), Mercury(II) and Iron(II) complexes derived from 2-((ortho-tolylimino) methyl) phenol Schiff base ligand: Synthesis, Spectral Characterization and Antimicrobial studies |
| 11:55-12:10 pm PST | Asma Munir. GC Women University, Faisalabad. Microbial degradation of Bisphenol A by Bacterial strains and Toxicological evaluation in rats   |
| 12:10-12:25 pm PST | Nida Zahra, GC Women University, Faisalabad. Risk assessment of Liver Carcinoma Associated with AFB <sub>1</sub> Exposure from Consumed Edible Cooking Oil Food Products in Faisalabad Punjab, Pakistan                                 |
| 12:25-12:40 pm PST | Warda Hassan, Department of Chemistry, The Women University, Multan, Multan, Pakistan. Novel Synthesis of Biogenic Nanoparticles using Desert plant and Its Dye Degradation Investigations  |

Closing

Jinnah Auditorium, GCWUF

12:45-01:50 pm PST

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| 12:45-12:55pm  | Distribution of Certificates   |
| 12:55-01:00pm  | Vote of Thanks by Prof Dr Imran Asgher   |
| 01:00-01:05 pm   | Vote of Thanks by Dr Zill I Huma Nazli   |
| 01:05-01:15 pm   | Remarks by the Chief Guest, Prof Dr Zafar Iqbal, Vice Chancellor Faisalabad Medical University |
| 01:15-01:25pm  | Remarks by the Chief Guest, Prof Dr Khaliq Ur Rehman, Rector, The University of Faisalabad     |
| 01:25-01:35 pm   | Remarks by the Chief Guest, Prof Dr Saleem Farooq Shauakt, Director, COMSATS Sahiwal Campus    |
| 01:35-01:45 pm   | Remarks by Prof. Dr Robina Farooq  |
| 01:45-01:50pm  | National Anthem  |
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| Lunch & Prayer break<br>Sports Ground, GCWUF<br>01:50-02:45 pm PST |  |

#### Session-IV: Online

Video Conference Room, GCWUF

02:45pm-05:25 pm PST

Chair: Prof. Dr. Zaib-Un-Nisa Hussain, Centre for Applied Chemistry, School of Chemistry, University of the Punjab, Lahore

Session Convener: Dr Farhat Jubeen, GC Women University Faisalabad.

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| 02:45-03:05 pm<br>PST | Invited talk: Prof Dr. Zeliha SELAMOGLU, head of department. Nigde Omer Halisdemir University Medicine Faculty Medical Biology Department Nigde, Turkey an Antiaging Molecule: The Cellular Energy Sensor NAD+  |
| 03:05-03:25 pm<br>PST | Invited talk: Prof. Dr. Niaz Ali Khan, Wuhan Textile University, Wuhan, China. Two-Dimensional Covalent Organic Framework Membranes for Water Purification Applications   |
| 03:25-03:45 pm<br>PST | Invited talk: Muhammad Adnan (Ph.D.) Postdoctoral Research Associate. Optoelectronics & Energy devices (OE) group W1-243, Graduate School of Energy Science and Technology (GEST). Chungnam National University (CNU), Synthesis of highly efficient MA <sub>x</sub> FA <sub>1-x</sub> PbI <sub>3</sub> perovskite films from an aqueous halide-free lead precursor for high-performance perovskite solar cells". |
| 03:45-04:05 pm<br>PST | Invited talk: Yasir Waheed, PhD. Associate Professor. Foundation University Islamabad. Effect of different therapeutic agents in COVID-19 patients admitted in High Dependency Unit (HDU).  |
| 04:05-04:25 pm<br>PST | Invited talk: Dr Sharjeel Abid, National Textile University, Faisalabad. Recent Advances in application of Nanotechnology in Textiles.  |

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| 04:25-04:40 pm<br>PST | Tahira Qureshi Department of Plant Pathology, Faculty of Crop Protection, Sindh Agriculture University, Tandojam, Sindh. Case Study Surveillance of sensitization and adverse health effects assessment by low molecular weight organic acid anhydrides exposure in the Site Area Kotri, Jamshoro, Pakistan.          |
| 04:40-04:55 pm<br>PST | Athir Mahmood Haddad. Department of Chemistry College of Science, University of Basrah. Extraction of phenolic compounds from Iraqi Coriandrum Sativum L. and loaded on copolymeric hydrogels and examined there as drug delivery system and antioxidant!   |
| 04:55-05:10 pm<br>PST | Ismat Bibi. Institute of Chemistry, the Islamia University of Bahawalpur, Pakistan. Structural and morphological properties of Graphene oxide nanocomposite (r-GO/La <sub>1-x</sub> Co <sub>x</sub> Cr <sub>1-y</sub> Fe <sub>y</sub> O <sub>3</sub> ) for the removal of toxic and carcinogenic industrial pollutant |
| 05:10-05:25 pm<br>PST | Faisal Nadeem. Department of Chemistry, Kohat University of Science & Technology, Kohat. Effective Antiplasmodial Activities of Synthesized Iron oxide Nanoparticles using Extract of Nephrolepis Exaltata  |