



**3RD IISCIENCE INTERNATIONAL CONFERENCE 2023**  
**Recent Advances in Photonics & Physical Sciences**  
**March 07-09, 2023**  
**Department of Chemistry**  
**Government College Women University Faisalabad**



12 am	1 am	2 am	3 am	4 am	5 am	6 am	7 am	8 am	9 am	10 am	11 am	12 pm	1 pm	2 pm	3 pm	4 pm	5 pm	6 pm	7 pm	8 pm	9 pm	10 pm	11 pm	12 pm
EST		TRT & SAST						PST		CST		AST												

**Conference Program, 7<sup>th</sup> March 2023, Day-I**

<b>Timeline</b>	
<b>Inauguration</b> Jinnah Auditorium, GCWUF 09:00-09:45 am PST	
09:00-09:45am	Inauguration, Recitation from the Holy Quran by Ms Ayesha Zainab Naat-e-Rasool e Maqbool by Ms Tanzila Parveen Welcome note by Prof Dr Zill-I-Huma Nazli, National Chair Remarks by Prof Dr Yasin Akhtar Raja, International Chair Remarks by Chief Guest Word of wisdom by Patron in Chief, Prof Dr Robina Farooq (T.I.), Vice Chancellor GCWUF Distribution of Shields/Certificates
<b>Plenary Lecture</b> Jinnah Auditorium, GCWUF 09:45-11:20 am PST	
09:45-10:45am	Prof Dr Khizar Bhutta. Sr. Engineering & Manager, Whirlpool Corporation, Benton Harbor MI, USA. Frontiers of Nano-Photonic deep-UV Irradiation Technology.

10:45-11:20am	Prof. Dr. Maria Valero de Clemente. College of Computing and Software Engineering, Department of Information Technology at Kennesaw State University (KSU). Near-Infrared Spectroscopy and AI for Non-Invasive Pervasive Glucose Monitoring.
<b>Tea Break &amp; Poster Session</b> Sports Ground, GCWUF 11:20-11:50 am PST	
Poster Session Convener: Dr Maryam Aslam & Dr Abida Kausar Poster Evaluation Committee: Prof Dr Khizar Butta Prof Dr Saima Akram Prof. Dr Aysha Sameen	
<b>Session-I: Nano-Chemistry &amp; Nano-Technology Applications</b> Jinnah Auditorium, GCWUF 11:50 am-01:30 pm PST	
Chair: Prof Dr Ahmad S Khan. Dept. of State's Bureau of Educational & Cultural Affairs (ECA), USA, Co-Chair: Prof. Dr Tahira Iqbal, Department of Biochemistry, The University of Faisalabad, Faisalabad. Session Convener: Dr Nusrat Shafique, Department of Chemistry, GC Women University Faisalabad	
11:50-12:10 pm PST	Invited Talk: Prof. Dr Hassan Munir. University of Agriculture Faisalabad. Quality Food Production in Changing Climate Scenario through Collaborative approaches.
12:10-12:30 pm PST	Invited Talk: Prof. Dr Aamer Mehmood., Director Training & Development, GC University Faisalabad. "Microalgae-based CO2 capture and biotransformation of biomass to bioproducts in a circular bioeconomy paradigm" and it would fit into the theme"
12:30-12:50 pm PST	Invited Talk: Dr Ahsan Nazir, National University of Textile Faisalabad. The Emerging Role of Polymeric Nanofibers in Medical & Healthcare Applications
12:50-01:00 pm PST	Dr Noshin Afshan. GC Women University Faisalabad. Antimicrobial framework nucleic acid based DNAzyme cluster with high hydroxyl radical production.
01:00-01:10 pm PST	Alvina Shahid. Structural, morphological and optical analysis of Co <sub>3</sub> O <sub>4</sub> / Reduced Graphene Oxide nanocomposites
01:10-01:20 pm PST	Hafiza Iqra Almas. University of Agriculture Faisalabad. Amending Soils with Biochar help Heavy Metal Immobilization and Improved Growth of Vegetables Irrigated with Untreated Wastewater
01:20-01:30 pm PST	Muhammad Alamgeer. University of Agriculture Faisalabad. Reusing Municipal Wastewater for Sustainable Agriculture in Pakistan: Challenges and Future Perspectives

## Session II: Emerging Technologies in Environmental Sciences

Video Conference Room, GCWUF

11:50am-01:30 pm PST

Chair: Prof. Dr Muhammad Zubair. Riphah International University Faisalabad

Co-Chair: Prof. Dr Asim Mansha. GC University, Faisalabad

Session Convener: Dr Faiza Nazir, GC Women University Faisalabad

11:50-12:10 pm PST	Invited Talk: Dr Samina Iqbal. National Institute of Genetic Engineering and Biotechnology. Rhizoremediation of emerging pollutants: a sustainable approach
12:10-12:20 pm PST	Dr. Shumaila Kiran. GC University Faisalabad. Green synthesis of magnesium oxide nanoparticles using leaves of <i>Iresine herbstii</i> for remediation of Reactive Brown 9 dye
12:20-12:30 pm PST	Dr. Faiza Amin. GC Women University Faisalabad. Synthesis and characterization of immobilized lipase and its role as a catalyst in biodiesel production
12:30-12:40 pm PST	Dr Sarosh Iqbal. GC University Faisalabad. Synthesis of Bis Schiff bases and their Evaluation as anticancer agents
12:40-12:50 pm PST	Sumaira Zulfiqar. National Textile University Faisalabad. Development of an eco-friendly and fire-resistant natural fiber composite.
12:50-01:00 pm PST	Neelam Iftikhar. GC University Faisalabad. Effects of Polyphenol-Rich Hibiscus and Zingiber Teas on Obesity and Oxidative Stress in Rats Fed a High-Fat-Sugar Diet.
01:00-01:10 pm PST	Dr Muhammad Atif. University of Lahore, Sargodha Campus. Green Synthesis and <i>In-Vitro</i> Anticancer Studies of New Binuclear Se-N-Heterocyclic Carbene Adducts.
01:10-01:20 pm PST	Sidra Jabeen. GC Women University Faisalabad. Bio-Statistical Optimization of Lipase via Microbial Fermentation and Its Applications on Plastic Degradation
01:20-01:30 pm PST	<i>Muhammad Usama Shabbir</i> . University of Agriculture Faisalabad. Cultivation of Exotic Safflower Accessions under Municipal Wastewater and Ground Water

## Session III : Rational Drug Designing and Discovery

Video Conference Room, GCWUF

11:50 am-01:30 pm PST

Chair: Prof. Dr Khizar Bhutta. Sr. Engineering & Manager, Whirlpool Corporation, Benton Harbor, USA

Co-Chair: Prof. Dr Abdullah Ijaz. GC University Faisalabad

Session Convener: Dr Sana Aslam, GC Women University Faisalabad.

11:50-12:10 pm PST	Invited Talk: Prof Dr Abdullah Ijaz. Department of Chemistry. GC University Faisalabad Chemical Composition and Pharmaceutical Applications of <i>Lamiaceae</i> Essential Oils: A Comprehensive Study.
12:10-12:30 pm PST	Invited Talk. Dr Muhammad Shahid. University of Agriculture Faisalabad. Application of hybrid Biopolymers as green matrix for drug delivery.
12:30-12:40 pm PST	Dr. Hafiz Muhammad Abdul Qayyum. University of Education Faisalabad Campus. Statistical evaluation of selected metals and metalloid in the serum of gastrointestinal cancer patients.
12:40-12:50 pm PST	Hareer Sarmad. Structural, Morphological and Magnetic properties of Fe and Al doped Titania.
12:50-01:00 pm PST	Maryam Hina. University of Agriculture Faisalabad. Strengthening Salinity Effect in Canola Cultivars through Bio-Fabricated Zinc Oxide Nanoparticles (ZNONPs)
01:00-01:10 pm PST	Anum Javed. National Textile University Faisalabad. Design of Wound Dressing Containing Natural Antibacterial Agent through Electrospinning Technique
01:10-01:20 pm PST	Khansa Ejaz. National Institute for Biotechnology & Genetic Engineering. Isolation and molecular characterization of <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> for prediction of Effective R Genes for Rice.
01:20-01:30 pm PST	Shagufta Kamal. GC University Faisalabad. Isolation and characterization of protease inhibitor peptide from <i>Momordica charantia</i> L. as an effective remedy for liver disorder.
<b>Lunch &amp; Prayer break</b> <b>Sports Ground</b> <b>01:30-02:15 pm</b>	
<b>Session IV: Frontiers in Nutrition: Food Chemistry</b> <b>Jinnah Auditorium, GCWUF</b> <b>02:15- 04:45 pm</b>	
Chair: Prof. Dr. Shahzad Ali Shahid Chatha. Govt College University, Faisalabad.	
Co-Chair: Prof. Dr. Matloob Ahmed. Govt College University, Faisalabad.	
Session Convener: Dr Nusrat Shafique, GC Women University Faisalabad.	
02:15- 02:35 pm PST	Invited Talk: Prof. Dr Shehzad Basra. University of Agriculture Faisalabad. Role of functional foods in healthy lifestyle

02:35- 03:55 pm PST	Invited Talk: Prof. Dr Farooq Anwar. University of Sargodha. Advance Trends in the Extraction of Selected Functional Compounds
03:55- 04:15 pm PST	Invited Talk: Prof. Dr. Shahzad Ali Shahid Chatha. Fly ash: Challenges and opportunities for value addition.
04:15-04:25pm PST	Naima Mahreen. National Institute for Biotechnology & Genetic Engineering. Selection of resilient rice through analysis of morpho-physiological responses under osmotic stress conditions
04:25- 04:35 pm PST	Mahreen Yahya. National Institute for Biotechnology & Genetic Engineering. Synergistic Biostimulants for Sustainable Production of Wheat.
04:35- 04:45pm PST	Ahmad Faraz. National Institute for Biotechnology & Genetic Engineering. Use of urease inhibitor for rice production and improved Nitrogen Use Efficiency under climate change scenario.
<p><b>Session V: "Workshop on " Simulations and Remote Access" (Hybrid)</b>  <b>Web-based Simulations and Remote Access Visualization Tools for Science &amp; Engineering Programs</b>  <b>Video Conference Room, GCWUF</b>  <b>3:00 – 4:30 pm</b></p>	
Convener: Prof Dr Yasin Akhtar Raja & Dr Farhat Jubeen	
03:00- 03:30 pm PST	Resource Person: Prof. Ahmed S Khan, Ph.D. Fulbright Specialist Scholar, World Learning Inc. U.S. Dept. of State's Bureau of Educational & Cultural Affairs (ECA), USA,
03:30-04:00pm PST	Resource Person: Prof. Salahuddin Qazi, Professor Emeritus, SUNY Polytechnic Institute, Utica, NY, USA
04:00-04:30pm PST	Resource Person: Atilla Ozgur Cakmak, Teaching Assistant Professor, Pennsylvania State University, USA