



# 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, 8<sup>th</sup> March-2023, Day-II

Timeline	
Jinnah Auditorium, GCWUF 09:00-09:15 am PST	
09:00-09:15 am PST	Recitation from the Holy Quran Ms Ayesha Zainab Naat-e-Rasool e Maqbool by Ms Tanzila Parveen
Plenary Lecture Jinnah Auditorium, GCWUF 09:15-10:15 am PST	
09:15-09:45 am PST	Plenary Lecture: Prof Dr Mohammad Ilyas Khan. Mama Care Foundation Breast Health Specialist. Recent Advances in Physical Sciences easy to Tell Difficult to own. What to do?
09:45-10:15 am PST	Plenary Lecture: Prof Dr Halil Ibrahim Ulusoy. Department of Pharmacy, Sivas Cumhuriyet University, SIVAS/Türkiye. Use of Functional Materials in Chemical Analysis of Drug Molecules.
Tea Break Sports Ground, GCWUF 10:15-10:45 am PST	

## Session-I : Natural & Synthetic Medicinal and Pharmaceutical Sciences (Hybrid Mode)

Video Conference Room, GCWUF

10:45am-01:00 pm PST

Chair: Prof. Dr. Muhammad Kaleem Khosa, Department of Chemistry, GC University Faisalabad.

Co-Chair Dr Muhammad Shahid, University of Agriculture, Faisalabad Session

Convener: Dr Nusrat Shafique, Department of Chemistry, GC Women University Faisalabad.

10:45-11:05 am PST	Invited talk: Prof Dr. Athar Atta. College for the Environmental and Science Complex, The University of Winnipeg, Canada. Natural Products and Synthetic Organic Chemistry Roads to Pharmaceutical Industry: Hopes and Disappointments (online)
11:05-11:35 am PST	Invited talk: Prof. M A Gondal, Ph.D. Dir, Laser Research group, King Fahd University of Petroleum and Minerals ( <a href="#">KFUPM</a> ), Saudi Arabia. Perovskite Materials and Their Applications in Renewable Energy Harvesting and Storage (online)
11:35-11:50 am PST	Invited Talk: Prof. Dr. Tahir Mehmood. Center for Applied Molecular Biology, University of the Punjab, Lahore, Pakistan. Nutraceuticals/Functional Foods a promising future for Health and New Drugs: Recent development and challenges"
11:50-12:10 am PST	Invited Talk: Dr Hammad Ismail. University of Gujrat. Measuring the influence of rol gene on plant metabolism in <i>Lactuca sativa</i> with metabolomic and bioactivity tools.
12:10-12:20 pm PST	Tafriq Ilyas. University of North Carolina, Charlotte, USA. <i>Impact of Rare-earth doping in nickel spinel ferrites to improve the structural and electrochemical performance for supercapacitor Application</i> (online)
12:20-12:30 pm PST	Aya Anmar Abdulrehman Al-Aini. BUID, United Kingdom. <i>Identification of the Causes of Floods and Assessment of Resulting Damage in the City of Kerala-INDIA</i> -(online)
12:30-12:40 am PST	Simran Sandhu. College for the Environmental and Science Complex, The University of Winnipeg, Canada. $\alpha$ -Glucosidase Inhabiting Natural Products from Edible Herbs(online)
12:40-12:50 pm PST	Naheed Akhter. Government College University, Faisalabad-Pakistan. Phytochemicals screening and Neuroprotective activity of Verbascum thapsus Extract against Alzheimer Disease induced Rat Model
12:50-01:00 pm PST	<i>Mahwish Salman</i> . Government College University, Faisalabad-Pakistan. Cyclo(L-Leu-L-Pro), a bioprotectant of food against aflatoxigenic <i>Aspergillus flavus</i> .

## Session II :Smart & Sustainable Development in Materials Manufacturing and Energy

Jinnah Auditorium, GCWUF

10:4 5am-01:00 pm PST

Chair: Prof. Dr Haq Nawaz Bhattii, University of Agriculture, Faisalabad

Co-Chair: Prof. Dr. Khalid Mehmood Zia, GC University, Faisalabad

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

10:45-11:15 am PST	Invited Talk. Prof. Dr Jamil Anwar. Distinguished Professor. University of Management and Technology Lahore. History of Periodic Table.
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11:15-11:25 am PST	Ahmad Ali. Ghulam Ishaq Khan Institute of Engineering Sciences and Technology. Synthesis, Spectroscopic and Morphological Studies on CdS Quantum Dots for Photonic Applications
11:25-11:35 am PST	Ahmad Hassan Khokhar. Ghulam Ishaq Khan Institute of Engineering Sciences and Technology. IoT and Visible Light Communication (VLC) Based Vehicle-to-Vehicle (V2V) Networks
11:35-11:45 am PST	Aimen Maqbool. Lahore College for Women University, Lahore. Effect of vanadium doping on the structural and optical properties of Bi <sub>2</sub> O <sub>4</sub> dip coated thin film
11:45-11:55 am PST	Muqadas Ghulam Ali. Influences of Ce doping on the characteristics of copper oxide thin film
11:55-12:05 pm PST	Madia Sahar. Lahore College for Women University, Lahore. Influence of Ce doping on the characteristics and properties of copper oxide thin film.
12:05-12:15 pm PST	Sajid Khan. Ghulam Ishaq Khan Institute of Engineering Sciences and Technology. Tuning of Perovskite Precursor Amount for Obtaining Optimum Performance of CsPbIBr <sub>2</sub> /TiO <sub>2</sub> Heterojunction Type Perovskite Solar Cell
12:15-12:25 pm PST	Zainab Bashir. Lahore College for Women University, Lahore. Synthesis and Characterization of boron nitride (BN) thin film for magnetic and antibacterial applications via Sol-gel method
12:25-12:35 pm PST	Salma Waseem. Lahore College for Women University. Green synthesis of ZnO nanoparticles.
12:35-12:45 pm PST	Rizwan Tahir. National Textile University Faisalabad. Development of Sustainable Azadirachta indica-loaded PVA Nanomembranes for polymer film Applications
12:45-12:55 pm PST	Umme Aymen. Islamia University Bahawalpur. Growth And Physiological Response of Rice to Exogenous Bio-Stimulant Application under Saline Environment
12:55-01:00 pm PST	Ali Akbar. Islamia University Bahawalpur. Physiological response of Sudan-grass to Exotic Seaweed, Amino acids and Minerals
<b>Session-III: Photonics &amp; Optoelectronics</b> <b>Committee Room, GCWUF</b> <b>10:45pm-01:00 pm PST</b>	
Chair: Prof. Dr Hassan Sayyad. Ghulam Ishaq Khan Institute of Engineering Science & Technology	
Co-Chair: Prof Dr Zohra Nazir Kiayani. Lahore College for Women University	
Session Convener: Dr Faiza Nazir, GC Women University Faisalabad.	
10:45-11:05 am PST	Invited Talk: Prof. Dr Hassan Sayyad. Ghulam Ishaq Khan Institute of Engineering Sciences and Technology. Synthesis and Characterization of Quantum Dots for Low-Cost Scalable Photonics Applications
11:05-11:20 am PST	Maryam Anwar. Lahore College for Women University, Lahore. Preparation of Modified Au doped ZnO Thin Films for Optoelectronic Applications
11:20-11:35 am PST	Ayesha Akram. Effect of Neodymium Doping on Structural and Optical properties of Nd-doped ZnO Thin Films
11:35-11:50 am PST	Riffat Sabir. Lahore College for Women University, Lahore. Structural, magnetic, optical and morphological properties of B doped ZnO thin film

11:50-12:05 pm PST	Mujeeb ur Rahman. Ghulam Ishaq Khan Institute of Engineering Sciences and Technology. Optimizing Carbon Electrode Thickness for Enhanced Performance of Hole Transport Material-Free Perovskite Solar Cells
12:05-12:20 pm PST	Hina Naqvi. Lahore College for Women University Lahore. Study of structural, optical and morphological properties of Au doped TiO <sub>2</sub> thin film
12:20-12:35 pm PST	Muhammad Miqdad Khan. NED University of Engineering and Technology Pakistan. <i>Portable Smartphone-Based Fundus Camera Using Single Lens</i>
12:35-12:45 pm PST	Nadia Anwar. Ghulam Ishaq Khan Institute of Engineering Science & Technology. Impact of SILAR Cycles on the Efficiency of PbS Quantum Dots Based Solar Cells
12:45-12:55 pm PST	Hira Ali. University of Gujrat. Iron Oxide Nano-particles Improved Growth Of Peanut by Increasing Roots Reducing Capacity under Iron Deficiency
12:55-01:00 pm PST	Muhammad Sajid. University of Agriculture Faisalabad. Developing Exotic Safflower ( <i>Carthamus tinctorius</i> L.) For improved Quality Oil Content under Differential Irrigation Regimes
<p><b>Lunch &amp; Prayer break</b> Sports Ground, GCWUF 01:00-02:00 pm PST</p>	
<p><b>Higher Education Symposium</b> <b>Role of Emerging Technologies &amp; Skills in Higher Education</b> Jinnah Auditorium, GCWUF 02:00-03:40 pm PST</p> <p><b>Chief Guest: Prof Dr Muhammad Mukhtar. Vice chancellor, National Skill University Islamabad</b></p>	
<p>Symposium Chairs: Prof Dr Yasin Akhtar Raja. Center for Optoelectronics &amp; Optical Communications., UNC Charlotte. USA Prof Dr Asgher Hashmi. National Skill University Islamabad Prof Dr Zill-I-Huma Nazli. GC Women University Faisalabad</p> <p>Convener: Dr Farhat Jubeen. Department of Chemistry, GC Women University, Faisalabad.</p>	
02:00-2:25 pm	Dr. Ayesha Sadaf, Assoc. Prof of Learning, Design & Technology, UNC Charlotte, USA "Transforming Digital Learning in Higher Education"
02:30-02:50 pm	Dr. Ahmed S. Khan, Prof and Fulbright Specialist Scholar (2017-2020), World Learning Inc, USA "Emerging Technologies and Challenges for Effective Teaching and Learning"
02:50 -03:20 pm	Dr. M. Khizar Butta, Sr. Engineering Manager, Whirlpool Corporation, Benton Harbor MI, USA "What If We All Could be Innovative!"

03:20 -03:40 pm

Dr. M. Manshad Satti, CEO, IT Butler e-Services Internet City UAE, and Smart Solutions & EduServe Australia. "The paradigm shifts of Teaching and Learning -Adopting & implementing Rubrics based AI and ML Technologies for Online Education."

**Panel Discussion of Vice Chancellors: Role of Emerging Technologies & Skills in Higher Education**

Jinnah Auditorium, GCWUF

03:45-05:00 pm PST

Session Convener: Prof Dr Yasin Akhtar Raja. Center for Optoelectronics & Optical Communications., UNC Charlotte. USA & Dr Farhat Jubeen. Department of Chemistry, GC Women University, Faisalabad.

**Fun Gala & Dinner**

Sports Ground, GC Women University Faisalabad, Punjab 38000

07:00- 10:00 pm PST