

Program

4th International Conference on Materials Science and Nanotechnology 2020 (MSNANO-20)

Day 1 3 March, 2020			
09:00-10:30	Registration		
10:30-11:55	Inaugural Session		
10:30	Guests to be seated		
10:30-10:40	Recitation from the Holy Quran & Naat-e- Rasool (P.B.U.H)		
10:40-10:50	Welcome & Introduction: Prof. Dr. Nasir Amin , Principal Organizer, Government College University Faisalabad		
10:50-11:30	Plenary talk: Richard Baker (St-Andrews University, UK) <i>Nanostructures materials for catalysis and energy applications</i>		
11:30-11:40	Remarks: Prof. Dr. Shahid Kamal , Vice Chancellor Government College University Faisalabad		
11:40-12:05	Refreshment Break		
	Parallel Session I Quaid-e-Azam Auditorium, Hall I	Parallel Session II Quaid-e-Azam Auditorium, Hall II	Parallel Session III STC Hall III
	Session Chair: Dr. J.B (Emcrafts, Korea)	Session Chair: Dr. Faisal Iqbal (IUB, Bahawalpur)	Session Chair: Dr. Marcello Rodrigues (Nottingham University, UK)
12:05-12:35	N.M Butt (S.I) (Islamabad) <i>“Going from Nanotechnology to Pico-technology”</i>	Tanveer Hussain Bokhari (GCUF, Faisalabad) <i>Degradation of adriamycin using nanophotocatalyst and photo-fenton process</i>	Tariq Sajad (LSBU, UK) <i>“Engineered exciton diffusion length enhances device efficiency in small molecule photovoltaics”</i>
12:35-13:00	M. Azam (China) <i>“Multiple engineering to develop highly efficient stable perovskite solar cells”</i>	Abdul Rehman Anwar (GIK, Topi) <i>“Analysis of optoelectronic characteristics of GaN-based light-emitting diodes”</i>	Sadia Muniza Faraz (NED, Karachi) <i>Comparative study of Impedance Spectroscopy and Photovoltaic properties of Metallic and Natural Dyes based Dye Sensitized Solar Cells</i>
13:00-13:20	Noor Ul Huda Khan (BUISTEM, Queta) <i>Separation of boron from silicon by steam-added electron beam melting</i>	M. Asghar (UAF, Faisalabad) <i>“Development and characterization of biocomposites based on microbial cellulose-reinforced de-lignified rice husk-PVA plasticized with glycerol”</i>	Shumaila Kiran (GCUF, Faisalabad) <i>“Green synthesis of nickel nanoparticles using Fruit peels of Citrus paradise for remediation of Congo Red dye”</i>
13:20-13:40	M. Usman (GCUF, Faisalabad) <i>Surfactants: Unique materials for removal of dyes from aqueous solution</i>	Abdul Rasheed (GCUF, Faisalabad) <i>Beam excited acoustic instability in semiconductor quantum plasmas</i>	M. Owais Awan (UoP, Peshawar) <i>“Analysis of mechanical properties of high density polyethylene (HDPE) using”</i>

			<i>calcium carbonate and Nano Clay</i>
13:40-14:00	M. Usman (China) <i>Recent advancement in crystalline Pb-free Halide double perovskites</i>	Jaffar Hussain (UoS, Jamshoro) <i>"Zinc based nano catalysts play vital role to enhance the production of biodiesel a review"</i>	Azeem Sarwar (NUST, Islamabad) <i>Synthesis and characterization of low cost biomass derived activated carbon for CO₂ capture</i>
14:00-15:00	Lunch		
	Session Chair: Dr. Nadeem Sabir (GCUF, Faisalabad)	Session Chair: Dr. Sajad Hussain Bhatti (UE, Joharabad)	Session Chair: Dr. Tariq Sajad (LSBU, UK)
15:00-15:30	Marcello Rodrigues (Nottingham University, UK) <i>Nanotechnology and Sustainable Agriculture: Challenges and Solutions</i>	Eng. M. Ikram (NFC, Multan) <i>Smart monitoring and controlling of unmanned grid with the integration of renewable energy using GSM meter coaxial cable of optical fiber</i>	J.B (Emcrafts, Korea)
15:30-15:50	Nazar Abbas (Comsats, Islamabad) <i>"Semiconductor Thin Films for Solar Cell Applications"</i>	Hadia Noor (PU, Lahore) <i>"Impact of nano-ball milling on structural and dielectric properties of zinc aluminate"</i>	Dr. Nida Iqbal (UET, Kalashah Kaku) <i>"Dip coating of Bioactive composites on biodegradable implants"</i>
15:50-16:10	Zia ur Rehman (NAMAL, Mianwali) <i>Graphite-Metal rechargeable battery</i>	Usman Aziz (Lahore) <i>"Development and Characterization of Fish Scales composite by using Natural"</i>	Dr. Amir Ullah (Islamia College, Peshawar) <i>High Strain Response in Lead-Free BNKT-based Piezoelectric Ceramics</i>
16:10-16:30	Nadia Akram (GCUF, Faisalabad) <i>Development of Soft Thin Films by an Ecofriendly Approach</i>	M. Saeed (GCUF, Faisalabad) <i>Calotropis gigantea leaves assisted biosynthesis of ZnO and Ag@ZnO catalysts for degradation of rhodamine B dye in aqueous medium</i>	Ambreen Ashar (GCWUF, Faisalabad) <i>BTailoring of Solar Photocatalytic reactor based on conducting Polymer adorned with doped nano lime for Remediation of Toxic Dye</i>
16:30-16:50	Shehzada Qamar (Comsats, Lahore) <i>Study of high workfunction Zirconium doped Indium Tin Oxide films for Si heterojunction solar cells</i>	Umay Kalsoom (Lahore) <i>Abatement of Nitroaromatics through Co/Ag based ZnO photocatalysts via UV-irradiation: Effect of Operating Parameters and Process Optimization</i>	Sajid Hussain Siyal (Dawood Engineering College, Karachi) <i>Solid-state Polymer Electrolytes for Energy Storage Devices (Lithium Metallic Batteries)</i>
16:50-17:10	Dr. Ghulam Nabi Watto (UoG, Gujrat) <i>"Chemical Vapor Deposition (VCD): A Versatile Technique to Synthesize Various Nanostructures for Device Applications"</i>	Kashif Ismail (GCUF, Faisalabad) <i>Characterization of Fe and Al co-doped TiO₂ nanofibres synthesized by electrospinning method</i>	Faqir Muhammad (UAF, Faisalabad) <i>Nanoparticulate system for biodegradation</i>
17:10-17:30	Mavia Rashid (Lahore) <i>Light weight low thermal conductive fly ash foams through microwave irradiation for insulative, agricultural and self-healing purposes</i>	Abdul Wahid (China) <i>Maneuvering Surface Structures of PS Filaments by Controlling Solvent Systems and Concentrations</i>	Bushra Akhtar (UAF, Faisalabad) <i>Gentamycin loaded PLGA nanoparticles for oral and transdermal delivery</i>
17:30-18:00	Tea		