



30<sup>th</sup> National & 18<sup>th</sup> International  
**Chemistry Conference**  
on Recent Trends in Chemistry 2019



Estd. 1990

# NOVEMBER 27-29, 2019

Jointly Organized by  
Chemical Society of Pakistan, Department of Chemistry and Office of Research  
Innovation & Commercialization UMT Lahore – Pakistan

## Tentative Schedule of the Conference

Day 1 November 27, 2019 (Wednesday)	
8:00 AM – 9:00 AM	REGISTRATION
9:00 AM-10:15 AM	INAUGURAL CEREMONY
10:15 AM-10:30 AM	CSP AWARDS
<b>10:30 AM-11:00 AM</b>	<b>TEA BREAK</b>
11:00 AM – 01:00 PM	PLENARY LECTURES (UMT Conference Hall)
<b>Chair:</b>	<b>Dr. Jehan Bakht</b>
<b>Co-Chair:</b>	<b>Dr. Muhammad Raza Shah</b>



Time	Speaker /Title
11:00 AM – 11:30 AM	<b>Exciting Discoveries at the Interface of Chemistry and Biology</b> <b>Prof. Viqar Uddin Ahmad Memorial lecture</b> <i>Prof. Dr. Muhammad Iqbal Choudhry</i> International Center for Chemical and Biological Sciences University of Karachi
11:30 AM – 12:00 PM	<b>Community-based/STEM Experiential Learning: Is it STEAM?</b> <i>Dr. Ellene Tratras Contis</i> Eastern Michigan University, USA
12:00 PM - 12:30 PM	<b>The Selenium Compounds with Antioxidant Properties</b> <i>Dr. Zeliha Selamoglu</i> Nigde Ömer Halisdemir University, Turkey
12:30 PM - 1:00 PM	<b>Some Work of Phytochemistry and Biology of the medicinal plant, Schefflera leucantha R.Vig.</b> <i>Dr. Wang Yan,</i> Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing 100193, PR China
<b>1:00 PM -2:00 PM</b>	<b>PRAYER AND LUNCH BREAK</b>
<b>2:00 PM - 2:30 PM</b>	<b>PLENARY LECTURES (UMT Conference Hall)</b>
<b>Chair:</b> <b>Co-Chair:</b>	<b>Dr. Zeliha Selamoglu</b> <b>Dr Ahmad Adnan</b>
Time	Speaker /Title
2:00 PM - 2:30 PM	<b>Synthesis of Novel Lead Molecules as Urease Inhibitor/ Prof. Dr Deen Muhammad Memorial lecture</b> <i>Dr. Khalid M Khan</i> International Center for Chemical and Biological Sciences, University of Karachi,
2:30 PM to 4:00 PM	<b>Executive Council Meeting of Chemical Society of Pakistan-members only (Venue: DG Board Room UMT Admin Building 5<sup>th</sup> Floor)</b>



<b>2:30 PM - 4:10 PM</b>	<b>Concurrent Keynote cum Invited Lectures (UMT Conference Hall)</b>		
<b>Chair:</b> <b>Co-Chair:</b>	<b>Dr. Ellene Tratras Contis</b> <b>Dr. Masood Parvez</b>		
<b>Time</b>	<b>Speaker /Title</b>		
<b>2:30 PM - 2:50 PM</b>	<b>New class of highly potent Cytolysins for Antibody drugs conjugates</b> <i>Dr. Muhammad Abbas</i> Tube Pharmaceuticals GmbH, Austria		
<b>2:50 PM - 3:10 PM</b>	<b>Development in Nanoparticles Research for Applications in Biomedical Sciences, Environment &amp; Renewable Energy Technologies</b> <i>Dr. Irshad Hussain</i> LUMS		
<b>3:10 PM - 3:30 PM</b>	<b>Formulation of nanobiomaterials and their sustained release profile with polymeric metal nanoparticles</b> <i>Dr. Muhammad Akhyar Farrukh</i> Forman Christian College University		
<b>3:30 PM - 3:50 PM</b>	<b>Investigating Ectonucleotidase Inhibition Activities of Sulfonamide Based Aromatic/Heterocyclic Compounds</b> <b>CSP gold medal for chemist under 40 for the year 2018.</b> <i>Dr. Mariya Al Rashida</i> FC University, Lahore		
<b>3:50 PM - 4:10 PM</b>	<b>Kinetics of the thermal decomposition of polypropylene over LZ-Y52 molecular sieve</b> <i>Dr. Jan Nisar</i> National Centre of Excellence in Physical Chemistry, University of Peshawar		
<b>2:30 PM - 4:10 PM</b>	<b>Concurrent Session Lectures</b>		
<b><u>Session-A</u></b>	<b><u>Session-B</u></b>	<b><u>Session-C</u></b>	<b><u>Session-D</u></b>



Organic/Medicinal/Natural Product: <b>Room: 3S45</b> <b>Chair: Dr Muhammad Asgher Bajwa</b> <b>Co-Chair: Dr. Bushra Naseem</b>		Inorganic/ Material/Nano/Nuclear Chemistry: <b>Room: 3S46</b> <b>Chair: Dr. Khurram Saleem Joya</b> <b>Co-Chair: Dr. Nadia Akram</b>	Physical/Radio/Electro/Computational Chemistry/ Bio/Nutritional/Food/Agricultural Chemistry: <b>Room: 3S47</b> <b>Chair: Dr Syed Makhdoom Hussain</b> <b>Co-Chair: Dr. Rehana Kausar</b>	Analytical /Environmental /Green Chemistry Applied/Industrial/Polymer/Textile Chemistry: <b>Room: 3S48</b> <b>Chair: Dr. Shahzad Ali Shahid Chatha</b> <b>Co-Chair: Dr. Zulfiqar Ali Raza</b>
Time	Speaker and Title	Speaker and Title	Speaker and Title	Speaker and Title
2:30 PM – 2:45 PM	<b>Abdul Hameed, Forman Christian College University.</b> Probing Deep Eutectic Solvents in Organic Synthesis	<b>Dr. Rashid Ahmad University of Malakand.</b> Simultaneous Removal of Acidic dyes from Aqueous Solution by Picea smithiana Sawdust	<b>Dr. Muhammad Ali Hashmi, University of Education Lahore, Attock Campus.</b> MICE-PES: An Algorithm for Accurate Conformational Analysis and its Implementation to Natural Products	<b>Dr. Jameel Ahmed Baig, University of Sindh.</b> Sequential assessment of Cd, Fe, Pb and Zn in sugar industry products in Sindh, Pakistan and their intake risk from sugar in the workers
2:45 PM – 3:00 PM	<b>Erum Akber Hussain, Lahore College for Women University.</b> Tailor-made Biopolymer Nanocomposites for Biomedical Applications	<b>Qaisar Khan, University of Malakand Chakdara.</b> Structural and Dielectric Properties of Aluminum Doped Cu-Ni Spinel Ferrites	<b>Muhammad Sadiq, University of Malakand.</b> Probing the Catalytic Activity of Pd Nano crystals Supported on Mica	<b>Umair Ahmed Qureshi, Government Boys Degree College Qasimabad.</b> Lignocellulose biomass : a renewable and sustainable source for generating hydrochars and activated carbons for the removal of emerging contaminants: review of recent progress
3:00 PM – 3:15 PM	<b>Sarosh Iqbal, Government College University Faisalabad.</b> Synthesis and optimisation of tetrahydropyrimidines and 2-hydroxypyrimidines as novel anti-cancer agents	<b>Nusrat Jabeen, University of Wah, Rawalpindi.</b> Synthesis and characterization of hydrogel embedded with cobalt nanoparticles for water decontamination	<b>Saima Noreen, University of Management and Technology</b> In-silico estimation of inhibition potential of phytochemicals against Zika virus	<b>Mudasir Majeed, Government College University Faisalabad.</b> Discrimination of mungbean cultivars based on minor saccharides composition by HPLC coupled with multivariate statistical analysis
3:15 PM – 3:30 PM	<b>Shahid Hameed, Quaid i Azam University.</b>	<b>Mudassar Sher, University of Management and Technology, Lahore.</b>	<b>Syed Muhammad Saqib Nadeem, University of Karachi.</b>	<b>Amara Dar, University of the Punjab Lahore.</b>



	Synthesis of New Arylsulfonylspiroimidazolidindiones as Aldose Reductase Inhibitors and Their Effect on Stimulation of Insulin Release	Nanocomposites	The study of ionic interactions of monovalent electrolytes in aqueous polyvinyl alcohol and polyacrylamide by conductance method	Removal of anionic dye from water using novel plant based silver Nano-composites
3:30 PM – 3:45 PM	<b>Arjumand Durrani, University of Engineering and Technology, Lahore.</b> Targetted Functional Foods and Nutraceuticals to Cope with Malnutrition in Pakistan	<b>Muhammad Waris, University of Sindh Jamshoro.</b> A field assessment soil quality and toxic metals in saline soil	<b>Asim Mansha, Government College University Faisalabad.</b> A Computational Approach for Structural Properties of 2-Methoxy-1, 4-Naphthoquinone	<b>Waqas Ahmad, University of Peshawar.</b> Green biomass-based antioxidant for increasing the oxidative Stability of lubricating oil
3:45 PM – 4:00 PM	<b>Syeda Shaista Gillani, Lahore Garrison University.</b> Synthesis of Self-terminated Aliphatic Polyamide Dendrimers and Dendron	<b>Saima Gulzar, University of Management and Technology, Lahore.</b> Analytical Characterization of Stones in Ornamental Architectural Elements of the Ancient Historic Buildings	<b>Salah ud Din, University of Azad Jammu and Kashmir, Muzaffarabad.</b> De-contamination of a drinking water contaminant using batch mode	<b>Ariba Farooq, University of The Punjab Lahore.</b> Controlled Delivery of Drug from pH Sensitive Chitosan PEG Blend using 1 4 Diaminobutane as a Cross linker
4:00 PM – 4:30 PM	<b>Tea/Coffee Break Poster Session</b>			
4:30 PM – 6:30 PM	<b>Concurrent Keynote cum Invited Lectures (UMT Conference Hall)</b>			
<b>Chair:</b>	<b>Dr. Tufail Hussain Sherazi</b>			
<b>Co-Chair:</b>	<b>Dr. Rasheed Ahmad</b>			
<b>Time</b>	<b>Speaker /Title</b>			
4:30 PM – 4:45 PM	<b>Functionalization of native adsorbent for enhanced Bisphenol A adsorption: column study</b> <i>Dr. Haq Nawaz Bhatti, University of Agriculture, Faisalabad.</i>			
4:45 PM – 5:00 PM	<b>Smart polymer microgels loaded with silver nanoparticles for catalytic applications/CSP award for publishing research articles with highest cumulative impact factor in 2018</b> <i>Dr. Zahoor Hussain Farooqi</i>			
5:00 PM – 5:15 PM	<b>Comprehensive Metabolomics Approach for the Standardization of Medicinal Plants and their Formulations through Advanced Mass Spectrometry Tools</b> <i>Dr. Ghulam Musharraf</i> University of Karachi			
5:15 PM – 5:30 PM	<b>Synthesis and characterization of zinc oxide nanoparticles hybrid with humic acid and its applications</b>			



	<i>Dr. Tajnees Pirzada</i> Institute of Chemistry, Shah Abdul Latif University
<b>5:30 PM – 5:45 PM</b>	<b>Impact of Seasonal Variations on Chemical Composition and Biological Activities of Essential Oil from <i>Cymbopogon citratus</i> Indigenous to Pakistan</b> <i>Dr. Shahzad Ali Chatha</i> Government College University Faisalabad.
<b>5:45 PM – 6:00 PM</b>	<b>Characterization of Humic acid induced Silver nanoparticles and their applications</b> <i>Dr. Mir Munsif Ali Talpur</i> Shah Abdul Latif University Khairpur Sindh
<b>6:00 PM – 6:15 PM</b>	<b>Fabrication of metal nanoparticles immobilized fertilizer as Efficient Growth regulator for selected vegetables</b> <i>Dr. Aamna Balouch</i> University of Sindh
<b>6:15 PM – 6:30 PM</b>	<b>Essential trace elemental levels (Zinc, Iron and copper) in the biological samples of smoker referent and pulmonary Tuberculosis patients</b> <i>Dr. Hassan Imran Afridi</i> National Centre of Excellence in Analytical Chemistry, University of Sindh

<b>4:30 PM – 6:30 PM</b>		<b>Concurrent Session Lectures</b>	
<b><u>Session-A1</u></b> Organic/Medicinal/Natural Product:  <b>Room: 3S45</b>  <b>Chair: Dr. Azhar Rasool</b> <b>Co-Chair: Dr. Muhammad Abbas</b>	<b><u>Session-B1</u></b> Inorganic/ Material/Nano/Nuclear Chemistry:  <b>Room:3S46</b>  <b>Chair: Dr. M Akhyar Farrukh</b> <b>Co-Chair: Dr. Abdur Rahim</b>	<b><u>Session-C1</u></b> Physical/Radio/Electro/Computational Chemistry/ Bio/Nutritional/Food/Agricultural Chemistry:  <b>Room:3S47</b>  <b>Chair: Dr. Shafique Ahmad Arain</b>	<b><u>Session-D1</u></b> Analytical /Environmental /Green Chemistry Applied/Industrial/Polymer/Textile Chemistry:  <b>Room: 3S48</b>  <b>Chair: Dr. Irshad Hussain</b> <b>Co-Chair: Dr. Muhammad Tahir Hussain</b>





Time	Speaker and Title	Speaker and Title	Speaker and Title	Speaker and Title
			<b>Co-Chair: Dr. Erum Akbar Hussain</b>	
<b>4:30 PM – 4:45 PM</b>	<b>Bushra Naseem, Lahore College for Women University, Lahore.</b> Spectroscopic and conductometric analysis of molecular interactions of polysaccharide in colloidal solutions	<b>Muhammad Mahboob Ahmed, BZ, University Multan.</b> Synthesis Spectroscopic Characterization Biological Studies and Hypoglycemic Effect of New Organotin(IV) Complexes	<b>Ranjhan Junejo, University of Sindh Jamshoro.</b> Development of Pheromone Traps to Capture Date Palm Pests in Sindh	<b>Syed Ali Raza Naqvi, Government College University Faisalabad.</b> Formulation, quality control, biodistribution and preliminary clinical application of <sup>99m</sup> Tc-5-fluorouracil freeze dried kit
<b>4:45 PM – 5:00 PM</b>	<b>Ameer Fawad Zahoor, Government College University Faisalabad.</b> Synthesis and anticancer evaluation of oxadiazoles based acefylline analogs	<b>Muhammad Mahboob Ahmed, BZ, University Multan</b> Synthesis, Spectroscopic and Biological Studies of Imide and Amide Derivatives of Para-aminohippuric Acid with Cyclic and Noncyclic Anhydrides	<b>Syed Makhdoom, Government College University Faisalabad.</b> Role of nano-se particles supplemented sunflower meal based diet on growth performance, nutrient digestibility and hematology of <i>Cirrhinus mrigala</i> fingerlings	<b>Ghulam Ali, University of Peshawar.</b> A Key Way of Solving the Severe Plastic Waste Problem: Pyrolysis and Kinetics
<b>5:00 PM – 5:15 PM</b>	<b>Ameer Fawad Zahoor, Government College University Faisalabad.</b> Synthesis and anticancer potential of novel ciprofloxacin derivatives	<b>Rehana Kousar, Lahore College for Women University, Lahore.</b> Synthesis of Cuprous oxide and Cupric oxide nano particles and evaluation of their photo catalytic activity	<b>Muhammad Asgher, University of Agriculture, Faisalabad.</b> Bacterial Exopolysaccharides: Screening, Optimization for Economical Production and Characterization	<b>Munir Ashraf, National Textile University, Faisalabad.</b> Durable Functional Textiles Using Nanomaterials
<b>5:15 PM – 5:30 PM</b>	<b>Misbah Irshad, University of Education, Township Campus Lahore.</b> Synthesis, Biological Screening and Molecular Docking Studies of Multifaceted Sulfonamides Bearing 1,4-Benzodioxane-6-Amine Scaffold	<b>Muhammad Hafeez, University of Azad Jammu and Kashmir, Muzaffarabad.</b> Anti-Corrosion Applications of Polyaniline Based Polymer	<b>Abdul Ghaffar, Government College University, Faisalabad.</b> Role of polymorphic gene expression and Pharmacokinetics in response of direct acting antiviral drug therapy for HCV in Pakistan	<b>Nadia Akram, Government College University, Faisalabad.</b> Influence of Corn Starch on Thermo-Mechanical Behaviour of Poly Vinyl Chloride Bioplastics



5:30 PM – 5:45 PM	<b>Azizuddin Shaikh, Federal Urdu University of Arts, Science and Technology, Gulshan-e-Iqbal Campus, Karachi.</b> Stereoselective Modification of Dydrogesterone by using Microbial Transformation in Green Friendly Environment	<b>Syeda Sara Hassan, Mehran University of Engineering and Technology, Jamshoro, Sindh.</b> Remarkable Catalytic Degradation of Arsenic by Magnetite Iron oxide Nanoparticles using Inductively Coupled Plasma- Mass Spectroscopy	<b>Ayaz Memon, University of Sindh Jamshoro.</b> Assessment of Antibacterial and Radical Scavenging Activities of phenolic compounds extracted from Ziziphus Mauritiana (Lam)	<b>Farozan Umer, Jinnah University for Women.</b> Oxidative deformation of aniline, a polymer study
5:45 PM – 6:00 PM	<b>Matloob Ahmad, Government College University, Faisalabad.</b> Synthesis and characterization of benzothiazine hybrid molecules by multicomponent reactions	<b>Mohammad Younis Talpur, University of Sindh.</b> Highly Efficient and Size Tunable synthesis OF Indium phosphide based Quantum Dots	<b>Hafiz Muhammad Abdul Qayyum, University of Education Lahore.</b> Study of trace metals imbalances in the scalp hair of stomach cancer patients with different types and stages	<b>Asma Rashid Tariq, University of the Punjab.</b> Synthesis and Characterization of Cerium(III) based Metal organic Frame works
6:00 PM – 6:15 PM	<b>Saira Tariq, Government College University Faisalabad.</b> Extraction, encapsulation and characterization of Tribulus terrestris extract and its biological applications	<b>Nasir Uddin Khan University of Karachi</b> Green Alternative to the Synthetic Ionic Surfactants.	<b>Shagufta Qambrani, University of Sindh Jamshoro.</b> Ultrasound Assisted extraction by optimizing different parameters using statistical design, degradation rates and Identification by High-Performance Liquid Chromatography-Electrospray Ionization-Mass Spectrometry	<b>Warda Hassan, The Women University, Multan.</b> Bioagents – The Major Sources to Clean the Environment
6:15 PM – 6:30 PM	<b>Shahida Shujaat, Lahore College for Women University</b> Sonication Assisted Extraction of Propolis; A Step Towards Sustainability	<b>Naila Yamin, GC University Lahore.</b> Synthesis, structural characterization and biological studies of silver(I) complexes	<b>Aasma Hashmi, Jinnah University for Women, Karachi.</b> Green Synthesis of Silver Nanoparticles using green, brown and red seaweeds	<b>Faiz Ali, University of Malakand.</b> Synthesis of Particles Originating from Silica Monolith with Improved Chromatographic Performance in Liquid Chromatography
06:30 to 7:00 PM	<b>General Body Meeting of Chemical Society of Pakistan (Venue: UMT Conference Hall)</b>			
7:00 PM – 8:30 PM	<b>Conference Dinner (Dinner Coupon is required)- Venue: UMT Greens</b>			
	<b>PROGRAM OF THE 1<sup>ST</sup> DAY IS FINISHED</b>			





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### Tentative Schedule of the Conference

<b>Day 2 November 28, 2019 (Thursday)</b>	
<b>9:00AM – 11:00 AM</b>	<b>Plenary Lectures (UMT Conference Hall)</b>
<b>Chair:</b>	<b>Dr. Khalid M Khan</b>
<b>Co-Chair:</b>	<b>Dr AK Lodhi</b>
<b>Time</b>	<b>Speaker /Title</b>
<b>9:00AM – 9:30 AM</b>	<b>Smog Engulfing Lahore in Coming Years/ Prof Dr Khairat Ibne Rasa Memorial Lecture</b> <i>Dr. Jamil Anwar</i> Department of Chemistry, University of Management & Technology, Lahore
<b>9:30 AM – 10:00 AM</b>	<b>Supramolecular Macrocycles and evaluation of their Drug delivery potential</b> <i>Dr. Muhammad Raza Shah</i> International Center for Chemical and Biological Sciences University of Karachi



10:00 AM – 10:30 AM	<b>X-ray Crystallography in the Determination of Hydrogen Bonding in Molecular Structures</b> <i>Dr Masood Parvez</i> University of Calgary, Canada
10:30 AM – 11:00 AM	<b>Evaluation of Nanoparticles, Prepared by using Extracts of Trillium Govanianum Andangelica Glauca</b> <i>Dr Jehan Bakht</i> Institute of Biotechnology and Genetic Engineering, The University of Agriculture Peshawar
11:00 AM – 11:30 AM	<b>Tea/Coffee Break</b> <b>Poster Session</b>
11:30 PM - 1:10 PM	<b>Concurrent Keynote cum Invited Lectures (UMT Conference Hall)</b>
<b>Chair:</b>	<b>Dr. Muhammad Abbas</b>
<b>Co-Chair:</b>	<b>Dr. Jan Nisar</b>
<b>Time</b>	<b>Speaker /Title</b>
11:30 AM – 12:00 AM	<b>Constituents of Matter and their Interaction</b> <i>Prof. Dr AK Lodhi</i> University of Management & Technology, Lahore
12:00 AM – 12:15 PM	<b>Design, synthesis, structural and biological studies of new bis((5-aryl-1,3,4-oxadiazole-2-yl)thio)alkanes and isatin based hydrazides</b> <i>Dr. Muhammad Naeem Ahmed</i> Department of Chemistry University of AJK Muzaffarabad
12:15 PM – 12:30 PM	<b>Single source synthesis and characterization of nanostructured material, thin films and hybrid composite materials for variety of applications</b> <i>Dr Shafique Ahmad Arain</i> Institute of Chemistry, Shah Abdul Latif University.
12:30 PM – 12:50 PM	<b>Steric Effect in the Design of New Ligand for Transition Metal Catalysis</b> <i>Dr. Abbas Hassan</i> Quaid-i-Azam University
12:50 PM – 1:10 PM	<b>Nanoscale Functional Materials for Catalysis, Synthetic Fuels and for Chemical Energy Conversion</b>



*Dr. Khurram Saleem Joya*  
University of Engineering and Technology

**11:30 PM – 01:10 PM**

**Concurrent Session Lectures**

**Session-A2**

Organic/Medicinal/Natural Product:

**Room: 3S45**

**Chair: Dr. Ghulam Musharraf**  
**Co-Chair: Dr. Amna Balouch**

**Session-B2**

Inorganic/  
Material/Nano/Nuclear  
Chemistry:

**Room: 3S46**

**Chair: Dr. Mir Munsif Ali**  
**Co-Chair: Dr. Muhammad Ali Hashmi**

**Session-C2**

Physical/Radio/Electro/Computational  
Chemistry/  
Bio/Nutritional/Food/Agricultural  
Chemistry:

**Room: 3S47**

**Chair: Dr. Tasneem Gul Kazi**  
**Co-Chair: Dr. Shafique Ahmad Arain**

**Session-D2**

Analytical /Environmental /Green  
Chemistry  
Applied/Industrial/Polymer/Textile  
Chemistry:

**Room: 3S48**

**Chair: Dr. Shahid Hameed, QAU.**  
**Co-Chair: Dr. Sarfraz Ahmed Mahesar**

Time	Speaker and Title	Speaker and Title	Speaker and Title	Speaker and Title
11:30 AM – 11:45 AM	Syeda Laila Rubab, University of Education, Jauharabada Campus. Rescent Advances in indole Heterocycles	Fatiqa Zafar, University of Okara. Nanoformulation of Allium cepa crude extract and evaluation of its bioactivities	Atta ul Haq, Government College University Faisalabad. Preparation of Mixed Oxide of Mn and Ce as Photocatalyst for Degradation of Profenofos from Aqueous Solution	Fatima Khitab, University of Peshawar, Khyber Pakhtunkhwa. Removal of hazardous dye Methyl violet and Malachite green using metal impregnated photocatalyst under visible light through sonophotocatalytic degradation
11:45 AM – 12:00 PM	Saima Naz, University of Education Lahore Multan Campus. Bioactivity guided Isolation of active compounds from Cannabis sativa essential oil	Syed Shoaib Ahmad, The Islamia University of Bahawalpur. Metal Organic Framework Based Catalysts: Nano-engineering enhanced the Electro-catalytic Performance	Ayesha Sameen, University of Agriculture Faisalabad. Human Health Risk associated with Polychlorinated Biphenyl	Muhammad Balal University of Karachi Development of deep eutectic green solvent micro extraction method for trace analysis of Nicolsamidef



<b>12:00 PM – 12:15 PM</b>	<b>Muhammad Zahid, University of Agriculture Faisalabad.</b> Extraction of bioactive compounds from Mentha arvensis L using green extraction media	<b>Khalil Ahmad, The Islamia University of Bahawalpur.</b> Rational Synthesis of Beta Amino Acids and Their Metal Complexes: In Vitro Antiviral, Antibacterial and Antifungal Activity	<b>Omme Ammara, University of Peshawar.</b> Desulfurization	<b>Abdul Niaz, University of Science &amp; Technology, Bannu, KPK.</b> A voltammetric method for the determination of nitrite by using a multiwalled carbon nanotube paste electrode modified with chitosan-functionalized silver nanoparticles
<b>12:15 PM – 12:30 PM</b>	<b>Ambreen Ghani, University of Education, Vehari Campus.</b> Facile Synthesis of Novel Anti-inflammatory Oxazoles in DES	<b>Naseem Ahmad Khan, The Islamia University of Bahawalpur.</b> Performance of MOFs based Materials: Adsorptive Removal of Tetracycline, Ciprofloxacin, Nitroimidazole and Sulfachloropyradazine from Water	<b>Muhammad Ajmal, University of Education, Attock Campus.</b> Synthesis of modifiable p(Methacrylic acid-co-Acrylonitrile) microgel fabricated with metal nanoparticles for simultaneous catalytic reduction of multiple water pollutants	<b>Muhammad Idrees, Bacha Khan University Charsadda.</b> Fluorescence quenching of the probes L-Tryptophan and Indole by anions in aqueous system
<b>12:30 PM – 12:45 PM</b>	<b>Shams ul Mahmood, Quaid-i-Azam University.</b> Structure-Based Design of potential BRDT Inhibitors: Synthesis and characterization of Indanone and Isoindolinone analogues	<b>Ayesha Maqbool, Lahore University of Management Sciences</b> One Pot Synthesis of Metal-Metal Sulphide Supported Over Carbon Nanofibers for Oxygen Evolution Reaction	<b>Muhammad Usman, Government College University, Faisalabad.</b> Selection of suitable micellar media to remove reactive dyes from aqueous solution	<b>Ahmad Nauman Shah Saqib, University of Education, Lahore, Attock Campus</b> Green Synthesis of Highly Fe-doped ZnO Nanoparticles by Environmentally-Friendly Solution Plasma Process
<b>12:45 PM – 01:00 PM</b>	<b>Ayesha Qayyum, University of Agriculture Faisalabad.</b> Organolead halide Perovskite Solar Cells: Potentials, Challenges, structural, optical and electrical properties of perovskite materials	<b>Anwar Ali Chandio, University of Sindh.</b> Fabrication of efficient calixarene based silver nanoparticles as bioactive agent	<b>Farzeen Shiekh, Department of Chemistry University of Engineering and Technology Lahore.</b> Bio-electrochemical conversion of CO <sub>2</sub> into biofuels and treatment of oily wastewater	<b>Sumia Akram, University of Education, Lahore.</b> Optimization and Validation of Reverse Phase- High Performance Liquid-Chromatographic method for determination of Thiocloprid in Fruits and Vegetables



<b>1:00 pm -2:00 pm</b>	<b>PRAYER AND LUNCH BREAK</b>
<b>2:00PM – 03:00PM</b>	<b>Plenary Lectures (UMT Conference Hall)</b>
<b>Chair:</b>	<b>Dr. Muhammad Raza Shah</b>
<b>Co-Chair:</b>	<b>Dr. Rashid Ahmad</b>
<b>Time</b>	<b>Speaker /Title</b>
<b>2:00 PM – 2:30 PM</b>	<b>Appropriate Future Targets of Chemical Research in the Developing Countries</b> <i>Mohammad Rafiq Khan</i> <i>Professor of Environmental Studies, Lahore School of Economics, Lahore, Pakistan</i>
<b>2:30 PM – 3:00 PM</b>	<b>Impact of industrial processing on the recovery and composition of canola oil and deodorized distillate</b> <i>Dr Tufail Hussain Sherazi</i> <i>National Centre of Excellence in Analytical Chemistry, University of Sindh</i>
<b>03:00 PM - 04:30 PM</b>	<b>Concurrent Keynote cum Invited Lectures (UMT Conference Hall)</b>
<b>Chair:</b>	<b>Dr. Jamil Anwar</b>
<b>Co-Chair:</b>	<b>Dr. Tajnees Pirzada</b>
<b>Time</b>	<b>Speaker /Title</b>
<b>3:00 PM – 3:15 PM</b>	<b>Consequences of oral cancer due to toxic element in smokless tobacco products</b> <i>Dr. Tasneem Gul Kazi</i> <i>National Centre of Excellence in Analytical Chemistry, University of Sindh</i>
<b>3:15 PM – 3:30 PM</b>	<b>Titania supported silver strontium nanoparticles for photocatalytic H<sub>2</sub> generation from water splitting reactions</b> <i>Dr. Ejaz Hussain</i> <i>The Islamia University of Bahawalpur Pakistan</i>
<b>3:30 PM – 3:45 PM</b>	<b>Electrical communication of redox enzymes with electrodes: Routes towards biosensors and biofuel cells</b> <i>Dr Nadeem Zafar</i> <i>University of Gujrat</i>



<b>3:45 PM – 4:00 PM</b>	<b>FTIR Characterization of Residual Oil Recovered from Spent Bleaching Clay During Storage</b> <i>Dr. Sarfaraz Ahmed Mahesar</i> National Centre of Excellence in Analytical Chemistry, University of Sindh			
<b>4:00 PM – 4:15 PM</b>	<b>Dyeing of Nylon woven fabric with Natural dye extracted from <i>Dalbergia sisso</i></b> <i>Dr. Muhammad Tahir Hussain</i> National Textile University, Faisalabad			
<b>4:15 PM – 4:30 PM</b>	<b>Hybrid organic-inorganic materials (SiO<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub>/C/SiPy+Cl) for electrochemical sensing of nitrite in food and water</b> <i>Dr Abdur Rahim</i> COMSATS University Islamabad, Lahore Campus			
<b>03:00 PM – 04:30 PM</b>		<b>Concurrent Session Lectures</b>		
<b>Session-A3</b> Organic/Medicinal/Natural Product:  <b>Room: 3S45</b>  <b>Chair: Dr. Naeem Ahmad</b> <b>Co-Chair: Dr. Ejaz Hussain</b>		<b>Session-B3</b> Inorganic/ Material/Nano/Nuclear Chemistry:  <b>Room: 3S46</b>  <b>Chair: Dr. Haq Nawaz Bhatti</b> <b>Co-Chair: Dr. Syeda Shaista Gillani</b>	<b>Session-C3</b> Physical/Radio/Electro/Computational Chemistry/ Bio/Nutritional/Food/Agricultural Chemistry:  <b>Room: 3S47</b>  <b>Chair: : Dr. Abdul Ghaffar, GC Faisalabad</b> <b>Co-Chair: Dr. Syeda Laila Rubab</b>	<b>Session-D3</b> Analytical /Environmental /Green Chemistry Applied/Industrial/Polymer/Textile Chemistry:  <b>Room: 3S48</b>  <b>Chair: Dr. Nadeem Zafar</b> <b>Co-Chair: Dr Aamna Balouch</b>
<b>Time</b>	<b>Speaker and Title</b>	<b>Speaker and Title</b>	<b>Speaker and Title</b>	<b>Speaker and Title</b>
<b>03:00 PM – 03:15 PM</b>	<b>Dr. Najma Memon, University of Sindh</b> Study on simultaneous Removal Properties of Layered Double Hydroxide Composite for Cationic and	<b>Sadia Ata, Anila Tabassum University of The Punjab Lahore</b> Sonochemical synthesized NiO nanoparticles as adsorbent for Lead sequestration	<b>Atif Islam, University of the Punjab, Lahore.</b> Synergistic effect of silane crosslinker (APTEOS) on gelatin and PVA blend for packaging applications	<b>Ammara Waheed, GC University, Lahore.</b> Kinetic Study of Enzyme Assisted Extraction of essential oil from Citrus Peel





	Anionic dyes from Aqueous Solution			
03:15 PM – 03:30 PM	<b>Abdul Latif, Department of Chemistry, University of Malakand.</b> Importance of marine sponges as potential sources of antiplasmodial compounds	<b>Anila Tabassum, University of the Punjab Lahore</b> ZnO Nanorods as an Efficient Adsorbent for Removing Cr (VI) From Aqueous Media	<b>Abdul Majid Channa, University of Sindh.</b> Treatment of cadmium contaminated water using chemically modified amberlite XAD-2	<b>Rozina Khattak, Shaheed Benazir Bhutto Women University, Peshawar.</b> <b>Reduction of Dicyanobis(phenanthroline)iron(III) by iodide in Co-solvent Mixtures</b>
03:30 PM – 03:45 PM	<b>Muhammad Naveed Umar, University of Malakand.</b> New picolylamine template organo-catalyst for enantioselective aldol reactions	<b>Abdul Ghafar Wattoo, Khwaja Fareed University of Engineering and Information Technology, Rahim Yar Khan.</b> Preparation of Nanophotonic Structures and their Applications	<b>Lubna Rasheed, University of Education, Township, Lahore.</b> Turn-on Fluorescent Probe for Highly Selective Discrimination of Hypochlorite from Oxidants in Aqueous Media	<b>Hamid Mahmood, Institute of Chemistry, University of Lahore.</b> Graphene ferrites and its applications
03:45 PM – 04:00 PM	<b>Hina Andleeb, SA-CIRBS International Islamic University Islamabad.</b> Pyrazolyl triazoles as potent and selective Inhibitors of Tissue Non-Specific Alkaline Phosphatase: A Therapeutic Target against Vascular Calcification	<b>Sidra Khalid, University of Management and Technology, Lahore.</b> Microwave Assisted Sol-Gel Synthesis of Iron Oxide Thin Films and Role of Aluminum Doping	<b>Zulfiqar Ali Raza, National Textile University, Faisalabad</b> Cell free culture broth of Pseudomonas aeruginosa being an enormous source of biodispersant for ecofriendly dyeing of polyester	<b>Shaista Ramzan, Kohat University of science and Technology,</b> Hepta & Penta Coordinated Potentially Bioactive Organotin(IV) complexes; Synthesis, crystal structure, cyclic voltammetry & DNA Binding Studies



<b>04:00 PM – 04:15 PM</b>	<b>Samreen Gul Khan, GC University, Faisalabad.</b> Synthesis of novel oxadiazole based structural hybrids of Ibuprofen with low ulcerogenic effect	<b>Muhammad Azam Qamar University of Management and Technology, Lahore.</b> Study of Photocatalytic Performance and Antimicrobial Activity of Fe@ZnO/g-C <sub>3</sub> N <sub>4</sub> Nanocomposites	<b>Farhat Yasmeen, University of Engineering and Technology, Lahore.</b> Fabrication, characterization and applications of novel low cost dicarbonyl reflective coatings	<b>NoorUlAin Babar, University of Engineering and Technology Lahore</b> Functional Nano Materials for Water Splitting Catalysis and Energy Conversion Applications
<b>04:15 PM – 04:30 PM</b>	<b>Nasir Rasool, Government College University, Faisalabad.</b> Recent Trends of Suzuki Miyaura Cross Coupling reaction of Heterocyclic Compounds	<b>Qasar Saleem University of Management and Technology, Lahore.</b> Synthesis and Characterization of anti-static charge properties of polyaniline based nano-composites	<b>Khezina Rafiq, Hallym University</b> Fabrication of a Highly Effective Electrochemical Urea Sensing Platform	<b>Mohsin Abdul Haseeb, Institute of Chemical Sciences, University of Peshawar.</b> Functional modification of selected beta lactam antibiotic in search of more useful antibiotic agents
<b>4:30 PM – 5:00 PM</b>	<b>Concluding Ceremony Distribution of Certificates (UMT Conference Hall)</b>			
<b>5:00 PM – 5:30 PM</b>	<b>Refreshment/Tea/Coffee</b>			
	<b>PROGRAM OF THE 2<sup>nd</sup> DAY IS FINISHED</b>			



30<sup>th</sup> National & 18<sup>th</sup> International  
**Chemistry Conference**  
on Recent Trends in Chemistry 2019

**NOVEMBER 27-29, 2019**

Jointly Organized by  
Chemical Society of Pakistan, Department of Chemistry and Office of Research  
Innovation & Commercialization UMT Lahore – Pakistan



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### Tentative Schedule of the Conference

#### Day 3 November 29, 2019 (Friday)

10:00AM –  
04:00 PM

City Tour (for outstation participants only)





## Poster Presentations

Poster Number	Presenter	Affiliation	Title
P 1	Anum Hayat	University of Management and Technology, Lahore, Pakistan	Valuation and comparison of antioxidant activity in different types of citrus peels collected from local market of Lahore and Dera Ghazi Khan
P2	Sana Ahmad	Lahore College for Women University, Lahore	Removal of Eriochrome Black T dye by using surface modified bentonite
P3	Muhammad Saqaf Jagirani	National Centre of Excellence in Analytical Chemistry University of Sindh Jamshoro	Preparation of novel arsenic imprinted polymer for the selective extraction As(III) toxic ions from the aqueous environment
P 4	Ikhtiar Gul	National Centre of Excellence in Physical Chemistry, University of Peshawar	Synthesis of novel and economical solar light responsive bismuth doped titania (Bi-TiO <sub>2</sub> ) through a facile so-gel technique
P 5	Hafiza Zainab Ahmed	University of Management and Technology, Lahore, Pakistan	Antileishmanial activity of three different species from Piperaceae family
P 6	Sarosh Iqbal	Government College University Faisalabad, Faisalabad-38000, Pakistan	Synthesis of pyrimidine derivatives using isobutyl acetoacetate and evaluation of their Pharmaceutical importance
P 7	Rana Nabeel Amjad	Department of Chemistry, School of Science, University of Management & Technology, Lahore	Comparison of Hepatoprotective Activity of <i>Ocimum sanctum</i> against paracetamol, Lead and CCl <sub>4</sub> induced hepatotoxicity
P 8	Rana Faizah Khanum	Department of Chemistry, School of Science, University of Management & Technology, Lahore	Comparative Study of Synthesis Techniques of BaTiO <sub>3</sub>
P 9	Hazeeqa Allah Ditta	Department of Chemistry, School of Science, University of Management & Technology, Lahore	Comparative study of Hepatoprotective effect of <i>Solanum xanthocarpum</i> leaf extract



P 10	Nafeesa Allah Ditta	Department of Chemistry, School of Science, University of Management & Technology, Lahore	Comparison of Pb-free Cu Front Electrode Si-based Solar Cell
P 11	Zilay Fatima	Department of Chemistry, School of Science, University of Management & Technology, Lahore	Extraction and Characterization of Pectin from Orange Peels
P 12	Sidra Shaheen	Department of Chemistry, School of Science, University of Management & Technology, Lahore	Comparison of hepatoprotective effect of <i>Sida cordata</i> (family Malvaceae) plant extract on rats
P 13	Sumeet Malik	Institute of Chemical Sciences, University of Peshawar	Electrochemical degradation of sunset yellow dye
P 14	Azka Waseem	Lahore College for Women University	Microwave-Induced Ecofriendly Synthesis of Isoxazolines in Aqueous Media
P 15	Sana Mansoor	Department of Chemistry, School of Science, University of Management & Technology, Lahore	Comparative study of anticancer effect of potentized homeopathic drug, <i>Lycopodium clavatum</i>
P 16	Saima Naz	Division of Science and Technology, Department of Chemistry, University of Education, Lahore, Lahore-54770 Pakistan	Isolation and separation of sesquiterpenoids from <i>Cannabis sativa</i> essential oil and their effects on carbon-tetrachloride induced liver fibrosis model in rats
P 17	Pirah Siyal Paras	University of Sindh	Synthesis of <i>Capsicum Annum</i> L capped Gold Nanoparticles and their Application in Sensor
P 18	Roomia Memon	University of Sindh	Green synthesis of gold nanoparticles and their detection of Metal ion through water samples
P 19	Tehreem Munawar	University of Management & Technology	Comparison of Nanofibrillated Cellulose and Copper Nanoparticles with their Antibacterial and Antimicrobial Activity
P 20	Fatiqa Zafar	University of Okara	Selection of suitable stabilizer for the preparation of <i>Terminalia arjuna</i> nanosuspension and evaluation of its dissolution potential
P 21	Dr Faryal Chaudhry	Department of Chemistry, Kinnaird College for Women, Lahore	Modification on the pyrazolic core to synthesize novel diazolic conjugates with antioxidant activity



P 22	Muhammad Sarfaarz	Department of Mechanical Engineering, COMSATS University Islamabad, Sahiwal Campus, Comsats road Off GT road Sahiwal 57000, Pakistan	Design and Performance Evaluation of Dye-Sensitized Solar Cells using Cu/rGO/TiO <sub>2</sub> Nanoparticles
P 23	Asnaina Yrooj	GC University, Lahore	Maceration mediated extraction of essential oil from Hemp leaves
P 24	Abdul Khaliq	GC University, Lahore	Ionic based liquid extraction for essential oils from black pepper
P 25	Saima Noreen	University of Agriculture, Faisalabad	Synthesis of green nanoparticles and their application for colored wastewater remediation
P 26	Saima Noreen	University of Agriculture, Faisalabad	Electronic, magnetic, thermoelectric and elastic properties of the cubic perovskite YFeO <sub>3</sub> by using PBE-sol approximation
P 27	Nayab Siddique	Lahore College for Women University	Green Synthesis of Substituted Pyrazolines in Deep Eutectic Solvent
P 28	Saba Urooge Khan	Institute of Chemistry, University of the Punjab,	Silica nanoparticle polyurethane membranes for reverse osmosis applications
P 29	Janjhi Farooque	National Center of Excellence in Analytical Chemistry	Synthesis and characterization of graphene oxide laminates for separation of toxic pollutants from wastewater
P 30	Imam Chandio	National Center of Excellence in Analytical Chemistry	Fabrication of highly efficient reduced graphene oxide- based nanocomposite membranes for water purification
P 31	Saddam Bhugio	National Center of Excellence in Analytical Chemistry	Chemical composition and bioactivity studies of <i>Tamarix dioica</i> essential oils
P 32	Saeeda Rind	National Center of Excellence in Analytical Chemistry	Coenzyme Q10: Deficiency Determination in different stages of oral cancer patients
P 33	Aqsa Arbab	National Center of Excellence in Analytical Chemistry	Self-assembly of Metal Nanoparticles by Base Hydrolyzed Extracts of Bioactive Phenolic Compounds from Wheat Flour and Their Applications
P 34	Atiq ur Rahman	University of Peshawar	Green Chemistry





P 35	Muhammad Ishraq ahmad	Institute of Chemical Sciences University of Peshawar	Oxidative desulfurization of model and real oil using air oxidation system in the presence of transition metals supported on montmorillonite clay as catalysts
P 36	Immad khan	Institute of Chemical Sciences University of Peshawar	SYNTHESIS OF 3,5-DISUBSTITUTED-TETRAHYDRO 2H-1,3,5-THIADIAZINE-2-THIONES DERIVATIVES AND THEIR METAL COMPLEXES IN SEARCH OF POTENTIAL BIOACTIVE AGENTS.
P 37	Nafees Ur Rehman	National Center Of Excellence In Physical Chemistry University Of Peshawar	Kinetic of the pyrolysis of pomegranate peels in the presence of sulfonated-derived tea waste-heterogeneous catalyst
P 38	Aeliya Fatima	Lahore College for Women University	Solvent free Synthesis of Asymmetrical Pyridine Derivatives
P 39	Hafiza Zainab Tanveer	Lahore College for Women University	Stereoselective Synthesis of Spiro-fused Pyrazolines
P 40	Aisha Aziz	Institute of Chemical Sciences University of Peshawar	Synthesis of chitosan zinc sulfide nanoparticles for the photocatalytic degradation of acid black 234 and acid brown 98
P 41	Shazia Iqbal, Sundas Jamil, Muhammad Aziz	Institute of Biochemistry,	Computational Chemistry
P 42	Asma Gul	Institute of Chemical Sciences University of Peshawar	Synthesis of Thiadiazine-2-thiones and their derivatives
P 43	Muhammad Furqan	University of Agriculture Faisalabad	Solar Photocatalytic Degradation of a Real Textile Wastewater using CuCo <sub>2</sub> O <sub>4</sub> Nanocomposite
P 44	Amna Ashfaq	Lahore College For Women University	Microwave Accelerated Synthesis of Thiazoles
P 45	Dr Abdul Hameed, Tayyaba Allamgir Sindhu	Forman Christian College University	Transition Metal-based Solid Support Catalyst: Application in N-Heterocyclic Compound Synthesis



P 46	Zainab Naeem	Department of Chemistry, School of Science, University of Management & Technology, Lahore	Comparison of Anti-malarial Activity of Gracinia mangostana of Family Clusiaceae
P 47	Ms Qudsia	university of management and technology	Comparison of Synthesis and Oxygen Sensing Properties of Zinc Oxide Nanorods
P 48	Arooj Fatima	Lahore College for Women University	Preparation and Applications of Solid Support Silica as Catalyt
P 49	Taj Muhammad	Institute of Chemical Sciences University of Peshawar	Desulfurization of Transportation fuel
P 50	Muhammad Javid Khan	Institute of Chemical Sciences University of Peshawar	Synthesis of 3,5-disubstituted tetrahydro-2H-1,3,5-thiadiazine-2-thiones their antimicrobial and anti-inflammatory activities
P 51	Yusra Gohar	Institute of Chemical Sciences University of Peshawar	Synthesis and leishminacidal potential evaluation of 5-(arylideneamino)-3-(2-alkyl/aryl)-1, 3, 5-thiadiazine-2-thiones
P 52	Muhammad Salman	Institute of Chemical Sciences, University of Peshawar	Desulfurization and demineralization of Pakistani coal by catalytic air assisted performic acid oxidation system
P 53	Akhtar	Institute of Chemical Sciences, University of Peshawar	Synthesis of polymers for improved dielectric properties
P 54	Tousif Murtaza	University Of Management and Technology Lahore	Comparative Study Of Ligand-free Suzuki-Miyaura Coupling Reactions
P 55	Aimen Yousaf	University of Management and Technology	Comparison of Supercritical Fluid Process in Nanoparticles Production and Applications
P 56	Wajad Ulfat	Department of Chemistry, School of Science, University of Management & Technology, Lahore	Recycling of tanneries solid waste for insulation products
P 57	Hamza Farooq	Department of Chemistry, School of Science, University of Management & Technology, Lahore	Comparative study of synthesis of silver nanoparticles and their application



P 58	Basma Shahid	Department of Chemistry, School of Science, University of Management & Technology, Lahore	Comparison of Synthesis of Manganese Oxide Nanoparticles by using Green, Chemical, and Physical Methods
P 59	Muhammad Umer Khalid	Department of Chemistry, School of Science, University of Management & Technology, Lahore	Comparison of Antioxidant Activity of Three Different Species of Genus
P 60	Abdullah	Institute of Chemical Sciences, University of Peshawar	Desulfurization and demineralization of Pakistani coal by catalytic air assisted performic acid oxidation system
P 61	Muhammad Amjad	Department of Chemistry, School of Science, University of Management & Technology, Lahore	Synthesis and characterization of silver nanoparticles from waste vegetable extract and their antimicrobial activity
P 62	Komal Aroosh	Department of Chemistry, School of Science, University of Management & Technology, Lahore	Comparative study of Antimalarial Activity of <i>Garcinia mangostana</i> Linn. (Purple mangosteen).
P 63	Sadaf parveen	National Centre of Excellence in Analytical Chemistry, University of Sindh Jamshoro	Correction of trace and toxic metals in biological samples of Stomach disordered patients consuming Drinking water of different areas of Sindh
P 64	Asma Akhtar	National Centre of Excellence in Analytical Chemistry, University of Sindh Jamshoro	Development of green microextraction method for the preconcentration of Hg in artificial saliva extracts of chewing tobacco products
P 65	Tehmina Sharif	Department of Chemistry, University of Agriculture	Development of green microextraction method for the preconcentration of Hg in artificial saliva extracts of chewing tobacco products
P 66	Amber Ayaz	Department of Chemistry, School of Science, University of Management & Technology, Lahore	Comparative Study of the Synthesis Methods of PbS Nanoparticles
P 67	Sharon Riaz	LUMS, Lahore	Synthesis and evaluation of novel $\alpha$ -substituted chalcones with potent anticancer activities
P 68	Rabia Latif	Department of Chemistry, School of Science, University of Management & Technology, Lahore	Study of the Effect of Micronized Nanoparticles on Agriculture



P 69	Sadaf Hanif	Department of Chemistry, School of Science, University of Management & Technology, Lahore	comparative study of different synthesis method of chromium oxide nanoparticle
P 70	Shahida Shabnam	University of the Poonch Rawalakot, AzadKashmir	Synthesis of poly (vinylidene fluoride) based nanocomposite membranes for the removal of dyes
P 71	ishrat Fatima	Department of Chemistry, School of Science, University of Management & Technology, Lahore	Comparative study of ZnO nanoparticles by different Euphorbia species
P 72	Rida Fatima	Department of Chemistry, School of Science, University of Management & Technology, Lahore	Study of the Impacts of Nanoparticles on Crops
P 73	Asma Aslam	Department of Chemistry, School of Science, University of Management & Technology, Lahore	Comparison of Synthesis of ZnO Thin films by Sol Gel technique for biosensor application
P 74	Anila Shaheen	Department of Chemistry, School of Science, University of Management & Technology, Lahore	Utilization of Micronized Nanoparticles for Agriculture Applications
P 75	Ariba Khan	National Centre of Excellence in Analytical Chemistry	Evaluation of Extraction Methods for the recovery of fat with Fatty Acid composition from by-products of selected ruminants
P 76	Ghulam Mustafa Channa	National Center of Excellence in Analytical Chemistry	Quantitative assessment of azo-dyes and toxic elements in waste water of dyeing industry and their environmental impact
P 77	Razia Batoo, Shazia Khurshid	Department of Chemistry GC University, Lahore	Enhancement of shelf life of fruits by immobilizing GOx on ZnO nanoparticles
P 78	Hadia Shoaib	NCEAC, University of Sindh, Jamshoro	Impact of deodorization parameters on the recovery and composition of deodorized canola oil and its deodorized distillate
P 79	Hina Memon	NCEAC, University of Sindh, Jamshoro	Heavy metal Analysis in poultry supplements by solid phase extraction
P 80	Bakhtawer Qureshi	International Center for Chemical and Biological Sciences (ICCBS)	Exploration of potential SaTMPK inhibitor: A Molecular Dynamic Approach



P 81	Urooj Qureshi	International Center for Chemical and Biological Sciences (ICCBS)	Exploring the Mechanism of Selective Inhibition of EPAC2: An Interdisciplinary Approach
P 82	Ahmed Raza Sidhu	Institute of Chemistry, University of Sindh, Jamshoro	Quality characteristics and oxidative stability of almonds oil during storage
P 83	Malik Imran Afzal	Department of Chemistry, School of Science, University of Management & technology, Lahore	Fabrication and Characterization of Cadmium Sulfide Nano Wires on Aluminum Oxide Templates
P 84	Aisha Asif Butt	Department of Chemistry, School of Science, University of Management & Technology, Lahore	The Prevalence of Respiratory Illnesses Among the Workers of Crushing Industry in Pakistan: A Cross Sectional Study
P 85	Sidra Khan	Department of Chemistry, School of Science, University of Management & Technology, Lahore	2-dimensional metal carboxylate metal organic frameworks (MOFs) for the adsorption of different dyes