**Modern Trends in Chemistry & Energy Technologies 2018**

October 22-23, 2018 Lahore, Pakistan

1st International Conference on

**Program at a Glance**

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| **Day 1** |
|  **Morning Sessions** | Reception/ Registration | 09:00 – 10:00  | **22 October 2018 on Day 1** |
|  | Time | General Session |
| **Opening Ceremony**Venue: Grand Ball Room CModerator: Ms. Iram Zia | 10:00 – 10:05 | Recitation of Holy Quran |
| 10:05- 10:10 | Introduction of Conference by conference Chair, Prof. Dr. Robina Farooq |
| 10: 10 – 10:15 | Opening Address by Rector COMSATS University Islamabad , Prof. Dr. Raheel Qamar (T.I.) |
| 10:15-10:35 | Keynote Address by Prof. Dr. Ian Watson, University of Glasgow, UKThermochemical Processing to Drive Waste Reduction Through Production of Liquid, Gaseous Fuels and Platform Chemicals |
| 10:35-10:45 | Address by the Chief Guest, Provincial Minister of Punjab for Food, HE Mr. Sami Ullah Chaudhary |
| 1045 – 10:55 | Vote of thanks by Executive Director, COMSATS, Dr. S. M. Junaid Zaidi (H.I., S.I.) |
| Distribution of Souvenirs |
| Coffee/Tea Break 11:05 – 11:50 (Networking + Poster Presentations) |
| **Plenary Session****Venue: Grand Ball Room C****Moderator**: Ms. Kanwal Bilal**Chair 1:** Prof. Dr. Saleem Farooq Shaukat**Chair 2:** Dr. Mohammad Ahmad Farooqui |  |
| 11:50 – 12:00 | **Mr. Khalid Saeed**, Head, Energy Research Centre, CUI Lahore Campus**Title:** Power sector crisis in Pakistan |
| 1200 – 1230 | **Prof. Heqing Jiang**Qingdao Institute of Bioenergy and Bioprocess Technology, Chinese Academy of Sciences, China**Title:** Multifunctional Mixed Oxides for separation and catalysis |
| 1230 – 1300 | **Dr. Nessar Ahmed**Manchester Metropolitan University, United Kingdom**Title:** Antiglycation agents in diabetes mellitus: Any role for medicinal foods? |
| 1300 – 1330 | **Dr. Jia Li**South-Central University for Nationalities, China**Title:** Treatment and Utilization of Electrolytic Manganese Residue (EMR) |
| Lunch Break/Prayer/Poster Presentation 1330 – 1415 |
|  |  | Technical Session I |  |
| 1420 – 1535 | 4 Speakers (20 min each) |  |
| Poster Sessions / Coffee/Tea Break 1535 – 1600 (Networking) |
|  |  | Technical Session II |  |
|  | 1600 – 1700 | 3 Speakers (20 min each) |  |
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| NOTE: Program Schedule is subject to change with final allotment of slots to speakers |
| For more details, visit https://lahore.comsats.edu.pk/MTCET/index.aspx |

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| **Day 2** |
|  **Evening sessions Morning Sessions** | Reception/ Registration | 0830 - 0900 | **23 October on Day 2** |
| **Plenary Session****Venue: Grand Ball Room C****Moderator:** Dr. Jamil Anwar**Chair 1:** Dr. Heqing jiang**Chair 2:** Prof. Dr. Asad Ullah Khan | Time | General Session |
| 0900 - 0905 | **Tilawat** |
| 0905 - 0910 | **Prof. Dr. Jamil Anwar, Advisor, CUI Lahore** |
| 0910 – 0935 | **Dr. Xian-Ju Huang**South-Central University for Nationalities, ChinaHepatoprotective activity of iridoids, seco-iridoids and analogs glycosides from Gentianaceae Plants  |
| 0935 - 1000 | **Prof. Dr. G. A. Miana**Rector/advisor to Riphah Institute of Pharmaceutical Sciences, Riphah International University Islamabad**Biologically active alkaloids from Medicinal plants of Pakistan**  |
| 1000 - 1030 | **Dr. Khurshid Ayub**Associate Professor, Department of Chemistry, COMSATS University Islamabad, Abbottabad**Title :** Nonlinear optical response of exohedral and endohedral alkali metal doped X12Y12 nanoclusters |
| Group Photo /Coffee/Tea Break 1030 – 1100 (Networking + Poster Presentations) |
|  |  | **Technical Session I** |
| 11:00 – 1330 | 7 Speakers (20 min each) |
| Lunch Break 1330 – 1415 |
|  |  | **Technical Session II** |
| 1420 – 16:30 | 4 Speakers (20 min each) &2 Speakers (20 + 30 minutes) |
|  | 16:30 – 16:55 | Closing Ceremony |
| Moderator: Dr. Lubana | 16:30 – 16:35 | Tilawat |
| 16:35 – 16:40 | Impression about Conference by Prof Dr Nessar  |
| 16:40 – 16:45 | Concluding Remarks by Conference Convener |
| 16:45-16:50 | Announcement of Poster Competition Result  |
| 16:50-16:55 | Address by Director |
| Refreshment 16:55 – 17:15 (Networking)  |
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| For more Details PS :<https://lahore.comsats.edu.pk/MTCET/index.aspx>mtc@ciitlahore.edu.pk |

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| **Day 1 Chemistry**  |
| Time | **Technical Session – I** **Venue: Grand Ball Room C****Moderator: Dr. Sarah Hasnain****Chair 1:** Prof. Dr Anwar ul HaqRiphah International University, Islamabad, PakistanIbn-e-Sina Institute of Technology, H-11/4, Islamabad, Pakistan**Chair 2:** Prof. Dr. Tahseen Ghous, Department of Chemistry, Mirpur University of Science and Technology (MUST) |
| **1420-1440** | **Presenter : Prof. Dr. Haq Nawaz Bhatti**University of Agriculture Faisalabad**Title: Title:** Equilibrium study of Imidacloprid removal from aqueous solution using biocomposites |
| **1440-1500** | **Dr. Zaib-Un-Nisa Hussain**Institute of Chemistry, University of the Punjab**Title:** Re-Use Of Wastes For Fertilizer, Fuel & Renewable Energies |
| **1500 - 1520** | **Dr. Amara Dar**University of the Punjab, Lahore-Pakistan**Title :** Surface Characterization of Novel Plant Material and Study of their Potential for Water Decontamination |
| **1520-1535** | **Dr. Azizuddin Shaikh**Department of Chemistry, Federal Urdu University of Arts, Science and Technology, Gulshan-e-Iqbal Campus, Karachi-75300, Pakistan**Title:** Biotransformation is an Effective Tool for Stereoselective Modification on Chemically Inactive and Inaccessible Sites |
| 1535-1600 | **TEA BREAK** |
|  | **Technical Session – II****Venue: Grand Ball Room C****Moderator: Dr. Sarah Hasnain****Chair 1:** Dr. Zaib-un-Nisa, Institute of Chemistry, University of the Punjab**Chair 2:** Dr. Muhammad Yar, Interdisciplinary Research Centre in Biomedical Materials, COMSATS University Islamabad, Lahore |
| **1600-1620** | **Presenter :Prof. Dr. Tahseen Ghous** Department of Chemistry, Mirpur University of Science and Technology (MUST) Mirpur-10250 (AJK), Pakistan**Title :**Immobilization of *Pseudomonas aeruginosa* Biomass on Egg Shells forOn-Line Preconcentration and Determination of Carcinogenic Cr(VI) |
| **1620-1640** | **Presenter : Dr Anwar ul Haq**Riphah International University, Islamabad, PakistanIbn-e-Sina Institute of Technology, H-11/4, Islamabad, Pakistan**Title :**Moving beyond the Rare Earth magnets - A review |
| **1640-1700** | **Dr. Dongyun Do**South-Central University for Nationalities, China**Title:** Process improvement for arsenic removal from dirty acid wastewater |
| **Day 2 Chemistry**  |
|  | **Technical Session – I (Chemistry)****Venue: Grand Ball Room C**Moderator: Dr. Lubna Sherin**Chair:** Dr Tariq Mahmood, COMSATS Islamabad, Abbottabad **Co-Chair:** Dr**.** Madeeha Batool, Institute of Chemistry, University of the Punjab  |
| **1100-1120** | Dr. Shahzad SharifGovernment College University, Lahore **Title**: Novel Metal Organic Frameworks assembled by Square Pyramidal and Octahedral Secondary Building Units for gas storage and separation |
| **1120-1140** | Dr. Sobia TabassumInterdisciplinary Research Centre in Biomedical Materials (IRCBM), COMSATS University Islamabad,Lahore Campus**Title:** Development of multifunctional biomaterials for tissue engineering |
| **1140-1200** | **Presenter :Dr. Abbas Hassan** Department of Chemistry, Quaid-i-Azam University Islamabad 45320 Pakistan**Title:** Ligand Development of Copper Catalysed Goldman Coupling: Efficient Steric and Electronic Evaluation of the Ligand in a Variety of C-X Bond Formation |
| **1200-1220** | **Muhammad Akhyar Farrukh**FC University Lahore, 54000, Pakistan**Title :**Surfactant and solvent assisted synthesis of multinary metal oxides nanocomposites and their applications  |
| **1220-1240** | **Dr. Muhammad Nasir**Interdisciplinary Research Centre in Biomedical Materials (IRCBM), COMSATS University Islamabad,Lahore Campus**Title:** Biomimetic nanoparticles as a colorimetric platform for hydrogen peroxide detection |
| **12:40-13:00** | **Dr. Nadia Akram**Department of Chemistry, Government College University, Faisalabad, Pakistan**Title:** Evaluation of Adhesion Strength of Soft Matter |
| **13:00 – 13:30** | **Dr Afsar Khan**CUI Abbottabad**Title :** Isolation of a macrocyclic lignan from *Olea ferruginea* and its biological activities |
| **1330 - 1415**  | **Lunch Break** |
|  | **Technical Session – II****Moderator: Dr. Lubna Sherin****Chair 1:** Prof. Dr. Farah Kanwal, Institute of Chemistry, Univeristy of the Punjab**Chair 2:** Dr. Umer Rasheed, Assistant Professor, Department of Chemistry, COMSATS University Islamabad, Abbottabad |
| **1420-1440** | **Dr. Javed Iqbal**Department of chemistry University of Agriculture Faisalabad **Title**: Non-Fullerene Small Molecule Acceptors with Favourable Photovoltaic Parameters |
| **1440-1500** | **Ms. Naveen Kosar**COMSATS University, Abbottabad campus-22060, Pakistan**Title :**Role of dispersion corrected hybrid GGA class in accurately calculating the bond dissociation energy of carbon halogen bond: A benchmark study |
| **1500-1520** | **Mr. Waqas Salman**NED University of Engineering & Technology, Karachi, Pakistan.**Title:** Effect of Sintering Temperature on the Transmittance of Antireflective SiO2-based Sol Gel Coatings |
| **1520-1540** | **Dr. Misbah Sultan (name will be changed)***Institute of Chemistry, University of the Punjab, Lahore, Pakistan***Title** :Eco-friendly Transformation of Methylene Blue with Linear Polyurethane |
| **1540-1600** | **Dr. Rizwan Raza**Department of Physics, COMSATS University Islamabad, Lahore Campus**Title:** The Clean Energy Devices: the way for clean and sustainable development |
| **1600-1630** | **Skype Talk: Dr Rakel Wreland Lindström,** KTH -Royal Institute of Technology, Stockholm, SwedenTitle: What can we learn from *PEMFCs* and *DMFCs* in designing effective *MFCs*? |

1630-1655 **Closing Ceremony**

**1655-1715 Refreshments**