

5th SPRING RESEARCH POSTER EXHIBITION

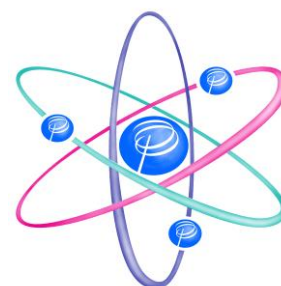
Tuesday, April 12, 2016

Organized by
INSTITUTE OF CHEMICAL SCIENCES
UNIVERSITY OF PESHAWAR
KHYBER PAKHTUNKHWA PAKISTAN

Organizing Committee:

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Prof. Dr. Imtiaz Ahmad
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5th Spring Research Poster Exhibition

Institute of Chemical Sciences

University of Peshawar

Program and Guidelines for Poster Preparation

1. Program is scheduled on 12th April 2016, 8:30-2:00 PM, at Institute of Chemical Sciences University of Peshawar
2. All posters should be displayed at 8:30 AM. Poster session is scheduled for approximately 4 h and 30 min.
3. Exhibition will be inaugurated by Vice Chancellor University of Peshawar Prof. Dr. Muhammad Rasul Jan at 10: 00 AM.
4. Poster presentations will be followed by a closing ceremony at 1:00 PM in Room No 238.
5. Best Poster Awards will be given to three contestants. However, all participants will receive participation certificates.
6. All posters have been arranged in alphabetical order w.r.t presenting/first author names and accordingly every poster has been assigned a specific code (P1-P52).
7. **The cork board on which each poster will be mounted is 3.5x3.5 feet and your display should fit inside the board frame, so your poster should be smaller than the dimensions of the board. We recommend 3.3x3.3 feet (approx. 100 cm x 100 cm) poster size (square not portrait or landscape).**
8. Please design your posters as eye-catching and attractive. Make all text, tables, graphs & figures large enough, clear and readable.
9. All posters should include a title, abstract, short introduction, aims of the study, results and conclusion. You can also include materials & methods and discussion parts, if necessary.
10. Tacking/Fixation materials for attaching the posters to the board will be provided, so you don't need to bring your own. All presenters have to display their posters by themselves.
11. The presenting authors must stand at their posters during the poster session for discussion and questions. Posters will be formally evaluated by judges so please be ready.
12. Please remove your posters at the end of the event (preferably at 2:00 PM i.e after the ceremony).
13. Due to author copyright privileges, it is strictly prohibited to take photos and/or copies from poster of any scientific material without the permission by the authors.

List of Posters

Poster No	Name of Presenter	Title
P-1	Abdullah Qasem Saif	Antioxidant, Antimicrobial and Urease Inhibiting Activities of methanoilc extracts from <i>Cyphostemma digitatum</i> Stem and Roots Abdullah Qasem Saif and Rasool Khan Institute of Chemical Sciences, University of Peshawar, KP, Peshawar Pakistan
P-2	Aaliya Minhaz	Highly Selective Supramolecular Detection of Pefloxacin in Real Samples with Gold Nanoparticle Aaliya Minhaz ^{1, 2} , Muhammad Ishaq ¹ , Imtiaz Ahmad ¹ and Muhammad Raza Shah ² ¹ Institute of Chemical Sciences, University of Peshawar, Peshawar, 25120, Pakistan ² H.E.J. Research Institute of Chemistry, International Centre for Chemical and Biological Sciences, University of Karachi, Karachi-75270, Pakistan
P-3	Abdul Qayum	Synthesis and characterization of poly(acrylic acid-co- acrylamide)/ sawdust composite as adsorbent for removal of heavy metals from aqueous solutions Abdul Qayum, Hamsa Noreen and Ata ur Rahman Institute of Chemical Sciences, University of Peshawar, Peshawar, 25120, Pakistan
P-4	Abdur Rauf	A rare class of Dimeric Naphthoquinones from <i>Diospyros lotus</i> and MDR and antiproliferative effect Abdur Rauf ¹ and Ghias Uddin ² ¹ Department of Geology, University of Swabi, Ambar-23561, Khyber Pakhtunkhwa, Pakistan ² Institute of Chemical Sciences University of Peshawar, Peshawar Pakistan
P-5	Afsar Khan	Adsorption of Ni (II) ions from aqueous solutions onto a fungus <i>Pleurotus ostreatus</i> Afsar Khan and Abdul Naem Khan National Centre of Excellence in Physical Chemistry, University of Peshawar
P-6	Anjum	Synthesis of Ion Imprinted Polymer For Solid Phase Extraction Of Chromium in Different Matrices Anjum, Jasmin Shah and Muhammad Rasul Jan Institute of Chemical Sciences, University of Peshawar, Pakistan
P-7	Arifullah	Spectral and bioassay Characterization of compounds isolated from the Species of genus <i>Isodon</i> Arifullah and Ghias Uddin Institute Of Chemical Sciences, University Of Peshawar
P-8	Asghar Ali	Chemical constituents and its biocontrol efficacy of <i>Sophora mollis</i> (Royle Baker) Asghar Ali ¹ , Shagufta Zafar ² , Saima Khan ³ and Ghias Uddin ¹ ¹ Institute of Chemical Sciences, University of Peshawar. ² PMAS Arid University Rawalpindi ³ COMSATS Institute of Information Technology, Abbotabad

P-9	Ayesha Inayat	Electronic and Spectral Properties of Oligomers and Polymers of Poly (aniline-co-o-aminophenol) Calculated with Density Functional Theory Ayesha Inayat ¹ , Sadaf Zia ¹ , Salma Bilal ² and Anwar-ul-Haq Ali Shah ¹ ¹ Institute of Chemical Sciences, University of Peshawar ² National Centre of Excellence in Physical Chemistry University of Peshawar
P10	Ayesha Shaukat	Oxidative Desulfurization of Fuel Oils over Fe Promoted Co-Mo/Al₂O₃ and Ni-Mo/Al₂O₃ Supported Catalysts using Hydrogen Peroxide and Formic Acid as Oxidants Ayesha Shaukat, and Muhammad Yaseen Institute of Chemical Sciences, University of Peshawar, KPK, Pakistan
P-11	Bushra Begum	A co-doped polyaniline as high performance supercapacitor electrode material Bushra Begum and Salma Bilal Electrochemistry/Conducting Polymer Laboratories, NCE in Physical Chemistry, University of Peshawar
P-12	Fatima Khitab	Sonophotocatalytic Degradation of Textile dyes over Cu impregnated ZnO nanoparticles in Aqueous Solution Fatima Khitab, Jasmin shah and M uhammad Rasul Jan Institute of Chemical Sciences, University of Peshawar, Khyber Pakhtunkhwa, Pakistan
P-13	Fawad Ali	Lipid Peroxidation and Biochemical Abnormalities in Tannery Workers Exposed to Hexavalent Chromium Fawad Ali, and Ateeq Muhammad Institute of Chemical Sciences, University of Peshawar, Pakistan
P-14	Fazl-i-Sattar	Frustrated Lewis Pair: Metal Free Hydrogen Activation Fazl-i-Sattar and Ata Ur Rahman Institute of Chemical Sciences, University of Peshawar
P-15	Ghulam Ali	Determination of acetaldehyde in mineral water using 2,4 – dinitrophenylhydrazine followed by gas chromatography Ghulam Ali and Jan Nisar Gas Phase Kinetic Lab: National Centre of Excellence in Physical Chemistry University of Peshawar. Pakistan
P-16	Habib Ullah	Polypyrrole/TiO₂ Composites for Visible Light Photocatalysis Habib Ullah, ^{1,2} Asif A. Tahir, ² Salma Bilal ³ and Anwar-ul-Haq Ali Shah ¹ ¹ Institute of Chemical Sciences, University of Peshawar, 25120 Peshawar, Pakistan. ² Environment and Sustainability Institute (ESI), University of Exeter, Penryn Campus, Penryn, Cornwall TR10 9FE, UK ³ National Centre of Excellence in Physical Chemistry, University of Peshawar, 25120 Peshawar, Pakistan
P-17	Hajera Gul	One Pot Synthesis of Highly Thermally Stable Poly(o-toluidine) for Corrosion Protection of Stainless Steel Hajera Gul ^a , Anwar-ul-Haq Ali Shah ^b and Salma Bilal ^a ^a National Centre of Excellence in Physical Chemistry, University of Peshawar, 25120, Pakistan ^b Institute of Chemical Sciences, University of Peshawar, 25120, Pakistan
P-18	Haleema Ali	Phytochemical investigation, bioactivity and molecular profile of <i>Boerhavia procumbens</i> Haleema Ali, Ghiass-uddin and Yousaf Iqbal Institute of Chemical Sciences, University of Peshawar, 25120 Peshawar, Pakistan

P-19	Haleema Hidayat	3D Structure Prediction of Antibiotic Target Enzyme From A Pathogenic Bacteria <i>Mycobacterium leprae</i> Haleema Hidayat , Tehmina mehmood, Izza Rehman, Muhammad Imran and Zahid Khan Biochemistry Section, Institute of chemical Sciences, University of Peshawar, Pakistan
P-20	Hidayat	Removal of Selected Heavy Metals from Aqueous Solution by Adsorption using Poly(Acrylic Acid)/Sodium Bentonite Composite Hidayat and Ata ur Rahman Institute of Chemical Sciences, University of Peshawar, Peshawar, 25120, Pakistan
P-21	Hira Zaman	Influence of Density, Porosity And Fiber Orientation on the Properties Of Four-Directional Carbon/Carbon Composites Hira Zaman ¹ , Khurshid Ali ¹ , Anwar ul Haq ¹ and Wajid Zaman ² ¹ Institute of Chemical Sciences, University of Peshawar, 25120 Peshawar, Pakistan ² Northwestern Polytechnical University, 710072 Xi'an P.R China.
P-22	Irum Firdous	Improved Current Density from PANI Modified Neutral Red Mediated Anode with Exoelectrogens <i>Escherichia coli</i> Irum Firdous ^a , Zalanda Khattak ^a , M. Arif Khan ^a , M. Fahim ^a , Anwar-ul-Haq Ali Shah ^b and Salma Bilal ^a ^a National Centre of Excellence in Physical Chemistry, University of Peshawar ^b Institute of Chemical Sciences, University of Peshawar
P-23	Ismail	Spectral and Bioassay Characterization of compounds isolated from the Species of genus <i>Pistacia</i> Ismail and Ghias Uddin Institute of Chemical Sciences, University of Peshawar ⁸
P-24	Izza Rehman	In Silico Comparative Analysis of Ribavirin and Ribavirin like Molecules, as Potential Inhibitors of Plasmodium Falciparum Inosine Monophosphate Dehydrogenase Izza Rehman , Palwasha Khan, Shabana Alam, Muhammad Imran and Zahid Khan Biochemistry Section Institute of chemical Sciences, University of Peshawar, Peshawar-25120, KP Pakistan
P-25	Kanwal Javed	Synthesis Of Monodispersed Magnetite Nano Particles and its Semiconducting/ Sensing Properties Kanwal Javed , Khalida Akhtar and Ikram ul Haq National Center of Excellence in Physical Chemistry, University of Peshawar Pakistan
P-26	Kareem Ullah	Sorption Of 2, 4-Dinitroaniline Herbicide onto Surfactant Modified Montmorillonite from Aqueous Solution Kareem Ullah , Jasmin Shah and Muhammad Rasul Jan Institute of Chemical Sciences, University of Peshawar
P-27	Mansoor Khan	Switchable Solvent Based Liquid Phase Microextraction of Uranium in Environmental Samples: A Green Approach Mansoor Khan ^{1,2} , Jasmin Shah ² , Muhammad Rasul Jan, Erkan Yilmaz ¹ and Mustafa Soylak ¹ , ¹ Erciyes University, Faculty of Sciences, Department of Chemistry, 38039 Kayseri-TURKEY ² Institute of Chemical Sciences, University of Peshawar, Peshawar-Pakistan

P-28	Mansoor Khan	Solid phase Microextraction Method for the Pre-concentration of Pb, Ni, Cu and Co by Using Magnetic CM-β-Cyclodextrine Nanocomposite as Adsorbent Mansoor Ahmad, Jasmin Shah and Muhammad Rasul Jan Institute of Chemical Sciences, University of Peshawar, Peshawar-Pakistan
P-29	Maryam Haider	Effects of Thermal Treatment on Physicochemical Characteristics, Structure and Digestibility of starch from <i>Triticum aestivum</i> L. Maryam Haider, Zahid Khan and Muhammad Imran Biochemistry Section Institute of Chemical Sciences, University of Peshawar, Peshawar-25120 KP Pakistan
P-30	Mehmood Ali Kha	Synthesis and Characterization of Polyaniline/Tungsten Oxide Composite via in-situ Inverse Emulsion Polymerization. Mehmood Ali Kha ¹ , Muhammad Kamra ¹ , Anwar-ul-Haq Ali Shah and Gul Rahma Institute of Chemical Sciences, University of Peshawar, 25120 Peshawar, Pakistan
P-31	Mehwish Iqbal	Hemicelle solid phase extraction of chlorophenols using silica coated magnetic nanoparticles Mehwish Iqbal, Jasmin Shah and Muhammad Rasul Jan Institute of Chemical Sciences, University of Peshawar
P-32	Menhad	Green synthesis of silver nanoparticles by using plant (<i>vernonia anthelmintica</i>) extract for antimicrobial and antioxidant activity Menhad ¹ , Salma ¹ , Adnan Khan ¹ , Nauman Ali ¹ and Hamayun Khan ² ¹ Institute of Chemical Sciences, University of Peshawar, Pakistan ² Department of Chemistry, Islamia College University, Peshawar, Pakistan
P-33	Miraj ud din	Spectrofluorimetric Method for Determination and Validation of Antibacterial Drug; Application to Pharmaceutical Formulations and Biological Samples Miraj ud din, Muhammad Rasul Jan and Jasmin Shah Institute of Chemical Sciences University of Peshawar
P-34	Mohamed Mansour	Antioxidant and anticancer potential of <i>Rumex nervosus</i> vahl Mohamed Mansour and Rasool Khan Institute of Chemical Sciences, University of Peshawar, KPK, Peshawar Pakistan
P-35	Muhammad Amir Zeb	Preparation Of Polyacrylamide-Montmorillonite Composite for Removal of Direct Textile Dyes From Aqueous Samples Muhammad Amir Zeb, Jasmin Shah and Muhammad Rasul Jan Institute of Chemical Sciences, University of Peshawar, Peshawar-25120, Pakistan
P-36	Muhammad Fahim	Sodium Carboxymethylcellulose: A Novel, Ecofriendly and Water Soluble Binder for High Performance GO-PANI Composite as Electrode Material for Supercapacitors Muhammad Fahim ^a , Irum Firdous ^a , Salma Bilal ^a and Anwar-ul-Haq Ali Shah ^{*b} ^a National Centre of Excellence in Physical Chemistry, University of Peshawar, 25120, Pakistan ^{*b} Institute of Chemical Sciences, University of Peshawar, 25120, Pakistan

P-37	Muhammad Kamran	Synthesis and Characterization of Polyaniline by Inverse Emulsion Polymerization Method Using Diesel as a novel dispersion Medium Muhammad Kamran, Rizwan Uulah and Anwar ul Haq Ali Shah Institute of Chemical Sciences University of Peshawar
P-38	Nabila Yasmeen	High Electrocatalytic Performance of Ni Impregnated Conducting Polymer Coated Platinum and Graphite Electrodes for Electrooxidation of Methanol Nabila Yasmeen ¹ , Salma Bilal ² , Anwar-ul-Haq Ali Shah ¹ and Gul Rahman ¹ ¹ Institute of Chemical Sciences, University of Peshawar, 25120 Peshawar, Pakistan ² National Centre of Excellence in Physical Chemistry, University of Peshawar, 25120 Peshawar, Pakistan
P-39	Nageena Haider	Compositional differences, ROS scavenging potential and glycemic index of various genotypes of <i>Triticum aestivum</i> L. and their dietary recommendations for diabetic patients Nageena Haider, Zahid Khan and Muhammad Imran Biochemistry Section Institute of Chemical Sciences, University of Peshawar, Peshawar-25120 KP Pakistan
P-40	Nousheen Nazir	Green synthesis of Gold nanoparticles using plant (<i>Sageretia thea</i>) stem extract Nousheen Nazir ¹ , Seema ¹ , Adnan Khan ¹ , Nauman Al ¹ , Sumaira Shah ² and Hamayun Khan ³ ¹ Institute of Chemical Sciences, University of Peshawar, Pakistan ² Department of Botany, University of Peshawar, Peshawar, Pakistan ³ Department of Chemistry, Islamia College University, Peshawar, Pakistan
P-41	Noor Daraz	Preparation of Biodegradable Polymer from Bacterial Isolates and Its Blends with Polyethylene Noor Daraz, Hamsa Noreen and Ata ur Rahman Institute of Chemical Sciences, University of Peshawar, Peshawar, 25120, Pakistan
P-42	Palwasha Saeed	Development and Validation of Spectrofluorimetric Method for Determination of Glimepiride in Pharmaceutical Preparations and Biological Samples Palwasha Saeed, Muhammad Rasul Jan and Jasmin Shah P-42Institute of Chemical Sciences, University of Peshawar
P-43	Rania	Environmental Friendly Synthesis of Gold Nanoparticles of Root Extract of <i>Sageretia thea</i> (Osbeck) Johnst Rania ¹ , Cyntia Pervez ¹ , Sumaira Shah ² , Adnan Khan ^{*1} , Nauman Ali ¹ , Siraj ud Din ² and Hamayun Khan ³ ¹ Institute of Chemical Sciences, University of Peshawar, Pakistan ² Department of Botany University of Peshawar, Pakistan ³ Department of Chemistry, Islamia College University, Peshawar, Pakistan
P-44	Rifat Jamal	Effect of magnetic nanoparticles/MWCNT on the tensile strength of cellulose acetate polymer Rifat Jamal ¹ , Nauman Ali ¹ , Adnan Khan ¹ and Hamayun Khan ² ¹ Institute of Chemical Sciences, University of Peshawar, Pakistan ² Department of Chemistry, Islamia College University, Peshawar, Pakistan
P-45	Robila Nawaz	Selective Removal of Zinc by using Tri-ethanolamine based Supported Liquid Membrane Robila Nawaz and Khurshid Ali Institute of Chemical Sciences, University of Peshawar

P-46	Saira	Surface Characterization of Natural Adsorbent and Its Utilization for the Dye Removal from Wastewater- Adsorption Kinetics and Equilibrium Studies Saira and Ata ur Rahman Institute of Chemical Sciences, University of Peshawar, Peshawar, 25120, Pakistan
P-47	Samina Yasmeen	Targeting Epilepsy: Biotransformation of Neuroactive Steroids for Discovery of Potent Anti-epileptic Molecules Samina Yasmeen, and Salman Zafar Institute of Chemical Sciences, University of Peshawar, Peshawar-25120, Pakistan
P-48	Sobia Kousar	Potentiodynamic Deposition of Polyaniline on Gold Electrode and its Application as Uric Acid Sensor Sobia Kousar, and Salma Bilal Electrochemistry/Conducting Polymer Laboratories, NCE in Physical Chemistry, University of Peshawar
P-49	Syed Jalil Shah	Biodesulphurization of DBT by <i>Acidithiobacillus thiooxidans</i> Syed Jalil Shah and Muhammad Yaseen Institute of Chemical Sciences, University of Peshawar, Peshawar-25120, Pakistan
P-50	Tehmina Tariq	Molecular Docking Studies and Physico-chemical Properties Prediction of Pyrazolopyrimidinediones as Potential Inhibitors of Glutamate Racemase from <i>Helicobacter pylori</i> Tehmina Tariq, Haleema Hidayat, Shabana Alam, Muhammad Imran and Zahid Khan Biochemistry Section, Institute of chemical Sciences, University of Peshawar, Pakistan
P-51	Umar Khitab	Alpha amylase inhibitory activity of crude extracts of <i>Polygonum glabrum</i> Umar Khitab, Maria, Muhammad Imran and Zahid Khan Biochemistry Section, Institute of chemical Sciences, University of Peshawar, Pakistan
P-52	Wali Muhammad Khan	Synthesis and Application of ion imprinted polymer for solid phase extraction of copper in different matrices Wali Muhammad Khan, Jasmin Shah and Muhammad Rasul Jan Institute of Chemical Sciences, University of Peshawar, Khyber Pakhtunkhwa, Pakistan