

<u>List of Completed Research Projects</u>	
<u>Project Title</u>	<u>Principle Investigator</u>
Use of natural and synthetic adsorbents for the removal and enrichment of trace metals from water. Funded by HEC Rs. 1,84 million	Prof. Dr. M.I.Bhanger
Determination of essential and trace elements in biological samples of human subjects with various physiological disorders. Funded by HEC Rs. 1.3 million	Prof. Dr. Tasneem G. Kazi
Physico-Chemical analysis of Manchar Lake Water, Sediment and its Effects on Fish and Residence. Funded by HEC Rs. 0.25 million	Prof. Dr. Tasneem G. Kazi
Stoichiometric studies of Complexes Oxine with Arginine and Histidine using Fluorometric and comparative Analytical methods. Funded by UGC Rs. 0.2 million	Prof. Dr. Tasneem G. Kazi
Determination of toxic metals in different foods stuff and biological samples of different physiological disorders. Funded by HEC Rs. 0.25 million	Prof. Dr. Tasneem G. Kazi
Synthesis and Application of Novel Calix[4]arene Based Receptors for the Extraction of Toxic Ions, Especially Fluoride ions from Drinking-Water of Thar Desert Funded by HEC Rs. 3.734 million	Prof. Dr. Shahabuddin Memon
Calixarene Based Receptors for Site Reclamation by the Removal of Toxic Heavy Metals. A Collaborative Project Between US National Science Foundation and Technical Research Council of Turkey (TUBITAK Grant)	Prof. Dr. Shahabuddin Memon
Synthesis of Polymeric Calix[4]crown Derivatives and Their Use in Selective Metal Cation Extractions; Selçuk University, Arastirma Fonu, Konya-Turkey	Prof. Dr. Shahabuddin Memon
Synthesis of Biscalixarene Derivatives and Their Use in Selective Metal Cation Extractions; Selçuk University, Arastirma Fonu, Konya-Turkey	Prof. Dr. Shahabuddin Memon
<i>Capacity Building for Urban Water Demand Management</i> DELPHI PROJECT funded by the British Council, GBP 24023.00	Prof. Dr. M.I. Bhanger

List of Ongoing Research Projects	
Project Title	Principle Investigator
Evaluation of status of Arsenic in surface and ground water of Sindh province and evaluate some indigenous material for its removal from water. Funded by HEC Rs. 1.15 million	Prof. Dr. Tasneem G. Kazi
Synthesis of Novel Calixarene Derivatives and the Development of Analytical Methods/Techniques for the Removal of Toxic Metals Especially Arsenic from Water; A Collaborative Project Between (TUBITAK, Turkey) and MOST, Islamabad-Pakistan Rs. 3.600 million	Prof. Dr. Shahabuddin Memon
Synthesis of Calixarene Derivatives and the Development of Analytical Methodology for the Removal of Toxic Metals From Water; Funded by HEC	Prof. Dr. Shahabuddin Memon
Impact of pesticides used in mango & vegetables on soil organisms and biological functions associated with soil health. Funded by Department of Agriculture Sindh/ADB. Rs. 3.5 million	Prof. Dr. Shafi M. Nizamani
Monitoring of pesticide residues in farm produce of IPM vs Non-IPM trials. Funded by Department of Agriculture Sindh/ SOFM World Bank Rs. 1.8 million	Prof. Dr. Shafi M. Nizamani
Analysis of Pesticide Formulations for Registration in Sindh. Funded by Department of Agriculture Sindh/Pesticide Industry. Rs. 4.5 million	Prof. Dr. Shafi M. Nizamani
Mitigation of mycotoxin residues in poultry feed. Funded by HEC Rs. 3.00 million	Prof. Dr. Tufail H. Sherazi
Analytical Applications of FT-IR Spectroscopy in the Pharmaceutical..... Funded by PSF Rs. 0.87 million	Prof. Dr. Tufail H. Sherazi
Synthesis of drug derived gold nano-particles and their application in sensors. Funded by, HEC Rs. 5.140 million	Prof. Dr. Sirajuddin
Detoxification/degradation of organic pollutants using enzyme immobilized organogel silica hardened nano-composites. Funded by PSF Rs. 1.2519 million	Dr. Najma Memon

List of Submitted Research Projects

<u>Project Title</u>	<u>Principle Investigator</u>
Concentrations of toxic metals in various brands of tobacco product available and consumed in Pakistan and its impacts on consumers. Submitted to HEC Rs. 15 million.	Prof. Dr. Tasneem G. Kazi
Survey, Exploration and Exploitation of Sea Shell Deposits Along the Coast of Makran and Its Utilization in Pharmaceutical / Chemical Industries Submitted to PSDP Rs. 22.00 million	Prof. Dr. Shahabuddin Memon
Fortitude of bioactive constituents of some types of deodorizer distillate produced as by-product in edible oil processing industries. Submitted to PSDP US\$. 350,000	Prof. Dr. Shahabuddin Memon
Synthesis of a new calixarene compound carrying anthracene group and investigation of its chemosensor properties by spectrophotometric and spectrofluorimetric methods submitted to PSDP. Rs. 7.50 million	Prof. Dr. Shahabuddin Memon
Development of Low Cost Technologies of Residue Testing. Submitted to Department of Agriculture Sindh Rs. 6.00 million	Prof. Dr. Shafi M. Nizamani
Establishment of Bioanalytical & Dope Testing Laboratory. Submitted to HEC Rs. 217.407 million	Prof. Dr. Shafi M. Nizamani
Fortitude of bioactive constituents of some types of deodorizer distillate produced as by-product in edible oil processing industries submitted to MoST, Pakistan TUBITAK, Turkey USD 306,000	Prof. Dr. Tufail. H.. Sherazi
Quantification and Applications of Waxes Present in Adenantha Pavonina Vegetable oils submitted to PSF Rs. 1.334 million	Prof. Dr. Tufail. H.. Sherazi
Exploration of the Antioxidant Potential of Citrus Fruits Grown in Sindh Province, submitted to HEC Rs. 8.899 million	Prof. Dr. Tufail. H.. Sherazi
Production of conjugated linoleic acid as functional food from vegetable oil, submitted for funding to HEC Rs. 7.20 million	Dr. Farah Naz Talpur
Bioremediation of endocrine disruptor phthalate esters from local water stream, submitted to PSF Rs. 1.89 million	Dr. Farah Naz Talpur