

<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 <b>HEC Rs. 1,84 million</b>	Prof. Dr. M.I.Bhanger
Determination of essential and trace elements in biological samples of human subjects with various physiological disorders. Funded by <b>HEC Rs. 1.3 million</b>	Prof. Dr. Tasneem G. Kazi
Physico-Chemical analysis of Manchar Lake Water, Sediment and its Effects on Fish and Residence. Funded by <b>HEC Rs. 0.25 million</b>	Prof. Dr. Tasneem G. Kazi
Stoichiometric studies of Complexes Oxine with Arginine and Histidine using Fluorometric and comparative Analytical methods. Funded by <b>UGC Rs. 0.2 million</b>	Prof. Dr. Tasneem G. Kazi
Determination of toxic metals in different foods stuff and biological samples of different physiological disorders. Funded by <b>HEC Rs. 0.25 million</b>	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 <b>HEC Rs. 3.734 million</b>	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, <b>GBP 24023.00</b>	Prof. Dr. M.I. Bhanger

<b>List of Ongoing Research Projects</b>	
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 <b>HEC Rs. 1.15 million</b>	Prof. Dr. Tasneem G. Kazi
Synthesis of Novel Calixarene Derivatives and the Development of Analytical <b>Methods/Techniques</b> for the Removal of Toxic Metals Especially Arsenic from Water; A Collaborative Project Between (TUBITAK, Turkey) and MOST, Islamabad-Pakistan <b>Rs. 3.600 million</b>	Prof. Dr. Shahabuddin Memon
Synthesis of Calixarene Derivatives and the Development of Analytical Methodology for the Removal of Toxic Metals From Water; Funded by <b>HEC</b>	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. <b>Rs. 3.5 million</b>	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 <b>Rs. 1.8 million</b>	Prof. Dr. Shafi M. Nizamani
Analysis of Pesticide Formulations for Registration in Sindh. Funded by Department of Agriculture Sindh/Pesticide Industry. <b>Rs. 4.5 million</b>	Prof. Dr. Shafi M. Nizamani
Mitigation of mycotoxin residues in poultry feed. Funded by <b>HEC Rs. 3.00 million</b>	Prof. Dr. Tufail H. Sherazi
Analytical Applications of FT-IR Spectroscopy in the Pharmaceutical..... Funded by <b>PSF Rs. 0.87 million</b>	Prof. Dr. Tufail H. Sherazi
Synthesis of drug derived gold nano-particles and their application in sensors. Funded by, <b>HEC Rs. 5.140 million</b>	Prof. Dr. Sirajuddin
Detoxification/degradation of organic pollutants using enzyme immobilized organogel silica hardened nano-composites. Funded by <b>PSF Rs. 1.2519 million</b>	Dr. Najma Memon

**List of Submitted Research Projects**

<b><u>Project Title</u></b>	<b><u>Principle Investigator</u></b>
Concentrations of toxic metals in various brands of tobacco product available and consumed in Pakistan and its impacts on consumers. Submitted to HEC <b>Rs. 15 million.</b>	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 <b>PSDP Rs. 22.00 million</b>	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 <b>PSDP US\$. 350,000</b>	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 <b>PSDP. Rs. 7.50 million</b>	Prof. Dr. Shahabuddin Memon
Development of Low Cost Technologies of Residue Testing. Submitted to Department of Agriculture Sindh <b>Rs. 6.00 million</b>	Prof. Dr. Shafi M. Nizamani
Establishment of Bioanalytical & Dope Testing Laboratory. Submitted to <b>HEC Rs. 217.407 million</b>	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 <b>TUBITAK, Turkey USD 306,000</b>	Prof. Dr. Tufail. H.. Sherazi
Quantification and Applications of Waxes Present in Adenantha Pavonina Vegetable oils submitted to <b>PSF Rs. 1.334 million</b>	Prof. Dr. Tufail. H.. Sherazi
Exploration of the Antioxidant Potential of Citrus Fruits Grown in Sindh Province, submitted to <b>HEC Rs. 8.899 million</b>	Prof. Dr. Tufail. H.. Sherazi
Production of conjugated linoleic acid as functional food from vegetable oil, submitted for funding to <b>HEC Rs. 7.20 million</b>	Dr. Farah Naz Talpur
Bioremediation of endocrine disruptor phthalate esters from local water stream, submitted to <b>PSF Rs. 1.89 million</b>	Dr. Farah Naz Talpur