

List of Research Publications of faculty member of last Five years

Research Publications-2016:

1. Mariam Sophie, Abdul Hameed, Akhtar Muneer, Azam J Samdani, Saima Saleem and Abid Azhar. CC Chemokine Receptor 5 (CCR5) Δ 32 Mutation Analysis in Cutaneous Leishmaniasis Patients from Pakistan. *J. Cutan. Pathol.* 2016; 7: 564-570.
2. Fawwad A, Siddiqui IA, Basit A, Zeeshan NF, Shahid SM, Nawab SN, Siddiqui S. Common variant within the FTO gene, rs9939609, obesity and type 2 diabetes in population of Karachi, Pakistan. *Diabetes and Metabolic Syndrome: Diabetes Metab Syndr.* 2016; Jan-Mar;10(1):43-7.
3. Mahdi Aalikhani Pour, Soroush Sardari and Abid Azhar. Evaluating the Anticoagulant Effect of Medicinal Plants in vitro by Cheminformatics Methods. *J. Herbal Med.* 2016; 6: 128-136

Research Publications-2015:

1. Fazal Y, Fatima SN, Shahid SM, Mahboob T. Nephroprotective effects of β -carotene on ACE gene expression, oxidative stress and antioxidant status in thioacetamide induced renal toxicity in rats. *J Renin Angiotensin Aldosterone Syst.* 2015; Dec;16(4):1046-51.
2. Mehreen Lateef, Sobiya Perwaiz, Bina S. Siddiqui, Abid Azhar, Lubna Iqbal, Kaniz Fizza Azhar, Kauser Siddiqui and Kanwal Abbassi. Antioxidant Potential of Anthrarobin (1, 2, 10 trihydroxy anthracene) and its Acyl Derivatives. *J. Chem. Soc. Pak.,* 2015.
3. Fawwad A, Siddiqui IA, Zeeshan NF, Shahid SM, Basit A. Association of SNP rs9939609 in FTO gene with metabolic syndrome in type 2 diabetic subjects, recruited from a tertiary care unit of Karachi, Pakistan. *Pakistan Journal of Medical Sciences,* 2015; 31(1): 140-145.
4. Afsheen Arif, Sitwat Zehra, Najma Patel, Abid Azhar. Two Novel Mutations in NKX 2.5 Gene Un-translated Regions in Congenital Heart Diseases Patients from Pakistan. *Act Med Int.* 2015;2(2):40-42
5. Sitwat Zehra, Afsheen Arif, Nargis Anjum, Abid Azhar, Masood Qureshi. Depression and Anxiety in Women with Polycystic Ovary Syndrome from Pakistan. *Life Sci J.* 2015;12(3s):1-4.
6. Umair ul Islam, Afsheen Arif , Sitwat Zehra, Rafiq Khanani, Abid Azhar. Triple Negative Breast Cancer (TNBC), the surgeons and physicians dilemma in Pakistan. *Int J Adv Res.* 2015; 3 (1):851-855.
7. Sarah Hasan, Abdul Hameed, Syed M. Shahid, Saima Saleem, Ghulam Haider, and Abid Azhar. The Association of GSTM1 and GSTT1 Polymorphisms with Squamous Cell Carcinoma of Cervix in Pakistan. *Tumor Biol.,* 2015; 36: 5195-5199.

9. Naz S, Saied S, Ahmed A, Shahid SM. Three new carbazole alkaloids and biological activities of *Murraya koenigii*. *Journal of Asian Natural Products Chemistry*, 2015; 17 (1): 7-13.
10. Fazal Y, Fatima SN, Shahid SM, Mahboob T. Nephroprotective effects of β -carotene on ACE gene expression, oxidative stress and antioxidant status in thioacetamide induced renal toxicity in rats. *Pakistan Journal of Pharmaceutical Sciences*, 2015.

Research Publications-2014:

1. Haneef Ur Rehman, Mohammad Asif Nawaz, Afsheen Aman, Abdul Hameed Baloch, Shah Ali Ul. Immobilization of pectinase from *Bacillus licheniformis* KIBGE-IB21 on chitosan beads for continuous degradation of pectin polymers. *Biocat. Agricult. Biotech.*, 2014 [Accepted]
2. Abid Ali, Asma Ansari, Shah Ali Ul Qader, Majid Mumtaz, Sumayya Saied, Tabassum Mahboob. Antibacterial potential of *Calotropis procera* (flower) extract against various pathogens. *Pak. J. Pharm. Sci.*, 2014; 27: 1565-1559.
3. Muhammad Asif Nawaz, Zainab Bibi, Afsheen Aman, Raheela Rahmat Zohra, Shah Ali Ul Qader. Enhanced production of maltase (α -glucosidase) from newly isolated strain of *Bacillus licheniformis* KIBGE-IB4. *Pak. J. Pharm. Sci.*, 2014; 27: 1437-1442.
4. Sidra Pervez, Afsheen Aman, Samina Iqbal, Nadir Naveed Siddiqui and Shah Ali Ul Qader. Saccharification and liquefaction of cassava starch: an alternative source for the production of bioethanol using amylolytic enzymes by double fermentation process. *BMC Biotechnol.*, 2014; 14: 49.
5. Shaista Naz, Sumayya Saied, Afifa Ahmed and Syed Muhammad Shahid. Three new carbazole alkaloids and biological activities of *Murraya koenigii*. *J. Asian Nat. Prod. Chem.*, 2014; DOI: 10.1080/10286020.2014.959940 [Epub ahead of print].
6. Chishti AA, Baumstark-Khan C, Hellweg CE, Reitz G. Imaging of Nuclear Factor kB Activation Induced by Ionizing Radiation in Human Embryonic Kidney Cells (HEK) cells. *Radiation and Environmental Biophysics*, 2014; DOI 10.1007/s00411-014-0541-x.
7. Yumna Fazal, Syeda Nuzhat Fatima, Syed M. Shahid, Tabassum Mahboob. Effects of curcumin on angiotensin-converting enzyme gene expression, oxidative stress and anti-oxidant status in thioacetamide-induced hepatotoxicity. *J. Renin Angiotensin Aldosterone Syst.*, 2014; DOI: 10.1177/1470320314545777 [Epub ahead of print]

8. Saima Saleem, Abid Azhar, Abdul Hameed, Mansoor A. Khan, Zubair Abbasi, Navid R. Qureshi and Muhammad Ajmal. Novel p53 Codon 240 Ser>Thr Coding Region Mutation in the Patients of Oral Squamous Cell Carcinoma (OSCC), *Tumor Biol.*, 2014; 35: 7945-7950.
9. Naheed Sajjad, Sayedul Haq, Intesar Burney, Syed M. Shahid, Sitwat Zehra, Abid Azhar. Fresh and aged human lymphocyte metaphase slides are equally useable for GTG banding. *Pak. J. Pharma Sci.*, 2014; 27: 1255-1259.
10. Rozeena Shaikh, Syed M. Shahid, Qaiser Mansoor, Muhammad Ismail, Abid Azhar. Genetic variants of ACE and AGT genes in patients of diabetes and nephropathy. *J. Renin Angiotens. Aldosterone Sys.*, 2014; 15: 124-130.
11. Haneef Ur Rehman, Afsheen Aman, Raheela Rehmat Zohra and Shah Ali Ul Qader. Immobilization of pectin degrading enzyme from *Bacillus licheniformis* KIBGE-IB21 using agar-agar as a support. *Carbohydr Polymer*, 2014; 102: 622-626.
12. Maria Ghani, Afsheen Aman, Haneef Ur Rehman, Nadir Naveed Siddiqui and Shah Ali Ul Qader. Strain improvement by mutation for enhanced production of starch saccharifying glucoamylase from *Bacillus licheniformis*. *Starch*, 2014; 65: 875-884.
13. Nadir Naveed Siddiqui, Afsheen Aman, Alba Silipo, Shah Ali Ul Qader, Antonio Molinaro. Structural analysis and characterization of dextran produced by wild and mutant strains of *Leuconostoc mesenteroides*. *Carbohydr. Polymer*, 2014 [Epub ahead of print].
14. Uzma Munir, Anjum Perveen and S. Qamarunnisa. Pharmacognostic evaluation of two genera *Suaeda* and *Salasola* from Chenopodiaceae family. *Pak. J. Pharma. Sci.*, 2014 [In Press].
15. Ishrat Jamil, S. Qamarunnisa, Abid Azhar, Zabta K. Shinwari and S. I. Ali. Subfamilial relationships within Solanaceae as inferred from atpB-rbcL intergenic spacer. *Pak. J. Bot.*, 2014; 46: 885-890.
16. Munir, F., Perveen, A. and Qamarunnisa, S. 2014. Comparative Pharmacognostic evaluation of some species of the genera *Suaeda* and *Salsola* leaf (Chenopodiaceae). *Pak. J. Pharm. Sci.*, 2014; 27: 1309-1315.
17. Raza, S., Qamarunnisa, S., Jamil, I., Naqvi, B., Azhar, A., and Qureshi, J. A. 2014. Screening of Sugarcane somaclones of variety BL4 for agronomic characteristics. *Pak. J. Bot.*, 2014. 46(4): 1531-1535.
18. Munir, U., Perveen, A. and Qamarunnisa S. 2014. A pharmacognostic evaluation of *Suaeda acuminata* (C. A. Meyer) MOQUIN-TANDON (Chenopodiaceae) leaf. *Int. J. Biol. Biotechnol.*, 2014; 11: 17-21.

Research Publications-2013:

1. Syed Faraz Hussain, Ambrina Khatoon, Syed M. Shahid, Muhammad Ismail, Abid Azhar. Discriminative multiplex (hexaplex) PCR strategy for the detection of methicillin resistance and virulence factors in *Staphylococcus aureus*. *Afr. J. Microbiol. Res.*, 2013; 7(3): 196-201.
2. Nadir Naveed Siddiqui, Afsheen Aman, Shah Ali Ul Qader. Mutational analysis and characterization of dextran synthesizing enzyme from wild and mutant strain of *Leuconostoc mesenteroides*. *Carbohydrate Polymers*, 2013; 91: 209-216
3. Saleem S, Azhar A , Hameed A, Khan MA, Abbasi Z, Qureshi NR, Ajmal M. p53 (Pro72Arg) Polymorphism associated with the risk of Oral Squamous Cell Carcinoma in gutka, mainpuri and niswar addicted patients of Pakistan. *Oral Oncol*, 2013; 49: 818-823.
4. Ali SA, Zehra S, Arif A. Performance Evaluation of Learning Classifiers for Speech Emotions Corpus using Combinations of Prosodic Features. *Int. J. Com. App.*, 2013; 76: 35-43.
5. Syed Faraz Hussain, Ambrina Khatoon, Syed M. Shahid, Muhammad Ismail, Abid Azhar. Discriminative multiplex (hexaplex) PCR strategy for the detection of methicillin resistance and virulence factors in *Staphylococcus aureus*. *Afr. J. Microbiol. Res.*, 2013; 7(3): 196-201.
6. Nadir Naveed Siddiqui, Afsheen Aman, Shah Ali Ul Qader. Mutational analysis and characterization of dextran synthesizing enzyme from wild and mutant strain of *Leuconostoc mesenteroides*. *Carbohydrate Polymers*, 2013; 91: 209-216
7. Naheed Sajjad, Sarmad Ali, Saedul Haque, Syed Intesar Burney, Sitwat Zehra, Syed M. Shahid and Abid Azhar. 46, XX male: a case study of clinical, hormonal and molecular cytogenetic evaluation of sex development disorder. *Pak. J. Biochem. Mol. Biol.*, 2012; 45(4): 197-200.
8. Sitwat Zehra, Abid Azhar, Afsheen Arif, Basit Ansari , Masood Qureshi. Premenstrual syndrome symptoms and prevalence among university students in Karachi, Pakistan. *Int J Pharm Res.* 2013;4(4):113-116.
9. Haneef Ur Rehman, Afsheen Aman, Alba Silipo, Shah Ali Ul Qader and Antonio Molinaro. Degradation of complex carbohydrate: Immobilization of pectinase from *Bacillus licheniformis* KIBGE-IB21 using calcium alginate as a support. *Food Chemistry*, 2013; 139: 1081-1086.
10. Farwa Sarwat, Nuzhat Ahmed, Afsheen Aman and Shah Ali Ul Qader. Optimization of growth conditions for the isolation of dextran producing *Leuconostoc* spp. from indigenous food sources. *Pak. J. Pharma. Sci.*, 2013; 26: 793-797.

11. Rashida Rahmat Zohra, Afsheen Aman, Rahila Rahmat Zohra, Asma Ansari, Maria Ghani, Shah Ali UI Qader. Dextranase: Hyper production of dextran degrading enzyme from newly isolated strain of *Bacillus licheniformis*. *Carbohydrate Polymers*, 92 (2): 2149-2153.
12. Saeeda Bano, Shah Ali UI Qader, Afsheen Aman, Mohammad Noman Syed, Kamran Durrani. High production of cellulose degrading endo-1,4- β -D-glucanase using bagasse as a substrate from *Bacillus subtilis* KIBGE HAS. *Carbohydrate Polymers*, 2013; 91 (1): 300-304.

Research Publications-2012:

1. Rozeena Shaikh, Syed M. Shahid, Syeda N. Nawab, Muhammad Ismail, Abid Azhar. Distribution of genetic variants of ACE gene in patients of diabetes with and without nephropathy. *Int. J. Hum Genet.*, 2012; 12(3): 133-138.
2. Shadab Perveen, Israr Nasir, Syed M. Shahid, Abid Azhar, Obaid Y. Khan. Phylogenetic analysis of HDV isolates from HBsAg positive patients in Karachi, Pakistan. *Virolog. J.*, 2012; 9: 162, DOI: 10.1186/1743-422X-9-162.
3. Muhammad Jawed, Rashid N. Khan, Syed M. Shahid and Abid Azhar. Protective effects of salivary factors in dental caries in diabetic patients of Pakistan. *Exp. Diab. Res.*, 2012; 1-5, DOI: 10.1155/2012/947304.
4. Raza, S., Qamarunisa, S., Hussain, M., Jamil, I., Anjum, S., Azhar, A. and Qureshi, J. A. Regeneration in sugarcane via somatic embryogenesis and genomic instability in regenerated plants. *J. Crop Science Biotech.*, 2012; 15: 53-57.
5. Qamarunnisa, S., Hussain, M., Jabeen, N., Raza, S., Khanani, M. R., Azhar, A., Qureshi, J. A. and Naqvi, S. H. M. *In silico* Structure-Function Studies of DNA GCC- Box Binding Domain of *Brassica napus* DREB1 Protein. *Pak. J. Bot.*, 2012; 44: 493-500.
6. Mansoor A. Khan, Saima Saleem, Syed M. Shahid, Abdul Hameed, Naveed R. Qureshi, Zubair Abbasi, Abid Azhar. Prevalence of oral squamous cell carcinoma in relation to different chewing habits in Karachi, Pakistan. *Pak. J. Biochem. Mole. Biol.*, 2012; 45: 59-63.
7. Syed M. Shahid, Sana Shamim, Tabassum Mahboob. Protective effect of green tea on CCl₄ induced hepatotoxicity in experimental rats. *Afr. J. Pharm. Pharmacol.*, 2012; 6(26): 1958-1963.
8. Haneef Ur Rehman, Shah Ali UI Qader, Afsheen Aman. Polygalacturonase: Production of pectin depolymerising enzyme from *Bacillus licheniformis* KIBGE IB-21. *Carbohyd Polym.*, 2012; 90(1), 387-391.

9. Afsheen Aman, Shah Ali Ul Qader. Structural analysis of kappa-carrageenan isolated from *Hypnea musciformis* (red algae) and evaluation as an elicitor of plant defense mechanism. *Carbohydr Polym.*, 2012; 88(4), 1264-1271
10. Shah Ali Ul Qader and Afsheen Aman. Low molecular weight dextran: Immobilization of cells of *Leuconostoc mesenteroides* KIBGE HA1 on calcium alginate beads. *Carbohydr. Polymers*, 2012; 87: 2589-2592.
11. Asma Ansari, Afsheen Aman, Nadir N. Siddiqui, Samina Iqbal and Shah Ali Ul Qader. Bacteriocin (BAC IB17): Screening, isolation and production from *Bacillus subtilis* KIBGE IB-17. *Pak. J. Pharm. Sci.*, 2012; 25: 195-201.

Research Publications-2011:

1. Suboohi Raza, Sadia Anjum, S. Qamarunisa, Ishrat Jamil, Abid Azhar, Javed Qureshi. Genome analysis of sugarcane (cultivar BL4) to investigate transposable elements. *Pak. J. Biochem. Mole. Biol.*, 2011; 44: 68-72.
2. Saeeda Bano, Shah Ali Ul Qader, Afsheen Aman, Muhammad Noman Syed, Abid Azhar. Purification and characterization of novel α -amylase from *Bacillus subtilis* KIBGE-HAS. *AAPS PharmSciTech*, 2011; 12: 255-261.
3. Shah Ali Ul Qader, Afsheen Aman and Abid Azhar. Continuous production of dextran from Immobilized cells of *Leuconostoc mesenteroides* KIBGE HA1 using acrylamide as a support. *Indian J. Microbiol.*, 2011 51: 279-282.
4. Sadia Galani, Afsheen Aman and Shah Ali Ul Qader. Germination potential index of Sindh rice cultivars on biochemical basis, using amylase as an indicator. *African J. Biotechnol.*, 2011 10: 18334-18338.
5. Syed M. Shahid, Abid Azhar, Syeda N. Nawab, Rozeena Shaikh, Muhammad Ismail and Azam J. Samdani. Single nucleotide substitution mutations and polymorphisms in ECM1 gene in lipid proteinosis in siblings of a Pakistani family. *Afr. J. Biotechnol.*, 2011; 10: 10825-10830.
6. Muhammad Jawed, Syed M. Shahid, Shah A. Qader and Abid Azhar. Dental caries in diabetes mellitus: role of salivary flow rate and minerals. *J. Diab. Comp.*, 2011; 25: 183-186. DOI: 10.1016/j.jdiacom.2010.07.001

7. I. Rajpar, Y.M. Khanif, Zia-ul-hassan, M. Arshad and S. Galani. Growth, herb, yield and phytochemical contents in a medicinal herb *Andrographis paniculata* under saline irrigation. *J. Med. Plants Res.*, 4: 5528-5533.
8. A. Ashraf, H. Tariq¹, S. Shah, S. Nadeem, I. Manzoor, S. Ali, A. Ijaz, S. Galani and S. Mehboob. Characterization of *Pasteurella multocida* strains isolated from cattle and buffaloes in Karachi, Pakistan. *African J. Microbiol. Res.*, 2011; 5 : 4673-4677.

1. Events (Seminar, International events, workshops):

1. First International Conference on Life Sciences “Emerging Trends in Biological Sciences and Genomics” December 28-30, 2015, Jointly organized by M. A. H. Qadri Biological Research Center (BRC) & Dr. A. Q. Khan Institute of Biotechnology & Genetic Engineering (KIBGE) University of Karachi, Karachi – 75270 Pakistan.
2. Dr. A. Q. Khan Winter School on “Modern Tools and Techniques in Health and Disease” December 25-27, 2015, organized by Dr. A. Q. Khan Institute of Biotechnology & Genetic Engineering (KIBGE) University of Karachi, Karachi – 75270 Pakistan.
3. Workshop on “Planning, Execution and Successful Accomplishment of Research Degrees” April 24-26, 2014, organized by Dr. A. Q. Khan Institute of Biotechnology & Genetic Engineering (KIBGE) University of Karachi, Karachi – 75270 Pakistan.
4. KIBGE Workshop on “The Use of Excel Macros and Microsoft Tools for Data Handling and Performing Complex Data Analysis, Involving a Wide Range of Software” April 18-19, 2014 Organized by Dr. A. Q. Khan Institute of Biotechnology & Genetic Engineering (KIBGE) University of Karachi, Karachi – 75270 Pakistan
5. KIBGE – Workshop on “Genome Wide Association Studies (GWAS)” October 28-29, 2013 Organized by Dr. A. Q. Khan Institute of Biotechnology & Genetic Engineering (KIBGE) University of Karachi , Karachi – 75270 Pakistan.
6. Workshop on “ Effective Communication Skills for Scientific Writing & Presentation” July 5-13, 2013 Organized by Dr. A. Q. Khan Institute of Biotechnology & Genetic Engineering (KIBGE) University of Karachi , Karachi – 75270 Pakistan.
7. KIBGE- PSF-NNRC “ Project Formulation Workshop” January 17-18, 2013 organized by Dr. A. Q. Khan Institute of Biotechnology & Genetic Engineering (KIBGE) University of Karachi , Karachi – 75270 Pakistan.

8. Fourth ICLS-KIBGE International Conference on “Science, Technology and Engineering: Innovative, Yet Responsible” October 18, 2012 organized by Dr. A. Q. Khan Institute of Biotechnology & Genetic Engineering (KIBGE) University of Karachi , Karachi – 75270 Pakistan.
9. Four-Day Workshop on “Biostatistical Methods in Genomics & Bioinformatics” September 19-22, 2012, Organized by Dr. A. Q. Khan Institute of Biotechnology & Genetic Engineering (KIBGE) University of Karachi , Karachi – 75270 Pakistan.
10. Workshop on “Essentials of Manuscript Writing” September 1, 2012 Organized by Dr. A. Q. Khan Institute of Biotechnology & Genetic Engineering (KIBGE), University of Karachi, Karachi – 75270 Pakistan.
11. Third ICLS-KIBGE International Conference on “Responsible Conduct of Science” November 14-15, 2011, organized by Dr. A. Q. Khan Institute of Biotechnology & Genetic Engineering (KIBGE) University of Karachi, Karachi – 75270 Pakistan.
12. Workshop on Cytogenetics, Karyotyping and Chromosomal Aberrations July 20-22, 2011, organized by Dr. A. Q. Khan Institute of Biotechnology & Genetic Engineering (KIBGE) University of Karachi, Karachi – 75270 Pakistan.
13. Workshop on “Research Communication Skills” July 1-11, 2011, organized by Dr. A. Q. Khan Institute of Biotechnology & Genetic Engineering (KIBGE) University of Karachi, Karachi – 75270 Pakistan.
14. Workshop on “Molecular Techniques in Diagnosis of Diseases” April 27-29, 2011 organized by Dr. A. Q. Khan Institute of Biotechnology & Genetic Engineering (KIBGE) University of Karachi , Karachi – 75270 Pakistan.