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Department of Biochemistry,
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PERSONAL INFORMATION

Father's Name:	QUDRAT ALI SHAH
Date of Birth :	22-03-1965
Place of Birth :	Karachi
Qualification :	Ph. D (Biochemistry)
Field of Specialization:	Isolation, production, purification characterization of Enzyme Immobilization of enzymes
Professional Status :	Professor
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ACADEMIC QUALIFICATION:

DEGREE/ CERTIFICATE	INSTITUTION	SUBJECTS	YEAR
Ph.D.	University of Karachi, Pakistan	Biochemistry	2005
M.Sc.	University of Karachi, Pakistan	Biochemistry	1989
B.Sc.	University of Karachi, Pakistan	Biochemistry, Microbiology, Chemistry	1986

PUBLICATIONS:

THESES:

Shah Ali Ul Qader (2005) “Immobilization of dextransucrase for the Commercial production of dextran from *Leuconostoc mesenteroides*” Ph.D. Thesis, Department of Biochemistry, University of Karachi, Pakistan.

RESEARCH PUBLICATIONS:

- 1. Hyper production of β -galactosidase from newly isolated strain of *Aspergillus nidulans***
Journal of Food Process Engineering **(IF: 0.745)**
Aysha Kamran, Zainab Bibi, Afsheen Aman, **Shah Ali Ul Qader**
[DOI: 10.1111/jfpe.12452](https://doi.org/10.1111/jfpe.12452)
- 2. Maltase entrapment approach as an efficient alternative to increase the stability and recycling efficiency of free enzyme within agarose matrix**
Journal of the Taiwan Institute of Chemical Engineers (2016) 64, 31-38 **(IF: 2.848)**
Muhammad Asif Nawaz, Asad Karim, Zainab Bibi, Haneef Ur Rehman, Afsheen Aman, Dilshad Hussain, Midrar Ullah, **Shah Ali Ul Qader**
- 3. Polyacrylamide Gel-Entrapped Maltase: An Excellent Design of Using Maltase in Continuous Industrial Processes**
Applied Biochemistry and Biotechnology (2016) 179(3), 383–397 **(IF: 1.606)**
Muhammad Asif Nawaz, Afsheen Aman, Haneef Ur Rehman, Zainab Bibi, Asma Ansari, Zia Ul Islam, Ishtiaq Ahmad, **Shah Ali Ul Qader**
- 4. NMR analysis of the binding mode of two fungal endo- β -1,4-mannanases from GH5 and GH26 families**
Organic & Biomolecular Chemistry (2016) 14, 314-322 **(IF: 3.559)**
Roberta Marchetti, Jean-Guy Berrin, Marie Couturier, **Shah Ali Ul Qader**, Antonio Molinaro and Alba Silipo
- 5. Influence of different metals on the activation and inhibition of α -amylase from thermophilic *Bacillus firmus* KIBGE-IB28**
Pakistan Journal of Pharmaceutical Sciences (2016) 29(4), 1275-1278 **(IF: 0.581)**
Raheela Rahmat Zohra, **Shah Ali Ul Qader**, Sidra Pervez, Afsheen Aman
- 6. Lactose hydrolysis approach: Isolation and production of β -galactosidase from newly isolated *Bacillus* strain B-2**
Biocatalysis and Agricultural Biotechnology (2016) 5, 99-103
Aysha Kamran, Zainab Bibi, Afsheen Aman, **Shah Ali Ul Qader**

- 7. Immobilization of pectin depolymerising polygalacturonase using different polymers**
International Journal of Biological Macromolecules (2016) 82, 127-133 **(IF: 3.138)**
Haneef Ur Rehman, Afsheen Aman, Muhammad Asif Nawaz, Asad Karim, Maria Ghani,
Abdul Hameed Baloch, **Shah Ali Ul Qader**
- 8. Immobilization of α -amylase in operationally stable calcium-alginate beads: A cost effective technique for enzyme aided industrial processes**
International Journal of Biotechnology Research (2015) 3(5), 81-86
Aliya Riaz, Bushra Ansari, Ayesha Siddiqui, Sana Ahmed, Suad Naheed, Shah Ali Ul Qader
- 9. Morphological and molecular based identification of pectinase producing *Bacillus licheniformis* from rotten vegetable**
Journal of Genetic Engineering and Biotechnology (2015) 13, 139-144
Haneef Ur Rehman, Nadir Naveed Siddique, Afsheen Aman, Muhammad Asif Nawaz,
Abdul Hameed Baloch, **Shah Ali Ul Qader**
- 10. Role of nutrients and environmental conditions for the production of dextransucrase from *L. mesenteroides* KIBGE-IB2**
Pak. J. Pham. Sci. (2015) 28(6) 1939-1945 **(IF: 0.581)**
Samina Iqbal, Afsheen Aman, Saeeda Bano, Nadir Naveed Siddiqui,
Asma Ansari and Shah Ali-Ul-Qader
- 11. Purification and characterization of thiol dependent, oxidation-stable serine alkaline protease from thermophilic *Bacillus* sp.**
Journal of Genetic Engineering and Biotechnology (2015) 13(1), 59-64
Aysha Kamran, Haneef Ur Rehman, **Shah Ali Ul Qader**, Abdul Hameed Baloch,
Mustafa Kamal
- 12. Continuous degradation of maltose by enzyme entrapment technology using calcium alginate beads as a matrix**
Biochemistry and Biophysics Reports (2015) 4, 250-256
Muhammad Asif Nawaz, Haneef Ur Rehman, Zainab Bibi,
Afsheen Aman, **Shah Ali Ul Qader**
- 13. Calcium alginate matrix increases the stability and recycling capability of immobilized endo- β -1,4-xylanase from *Geobacillus stearothermophilus* KIBGE-IB29**
Extremophiles (2015) 19(4), 819-827 **(IF: 2.346)**
Zainab Bibi, **Shah Ali Ul Qader**, Afsheen Aman
- 14. Purification, characterization and end product analysis of dextran degrading endodextranase from *Bacillus licheniformis* KIBGE-IB25**
International Journal of Biological Macromolecules (2015) 78, 243-248 **(IF: 3.138)**
Rashida Rahmat Zohra, Afsheen Aman, Asma Ansari, Muhammad Samee Haider,
Shah Ali Ul Qader

- 15. Plasmid borne BAC-IB17: Localization of a potential antibacterial positive marker (Bac+) encoded broad inhibitory spectrum bacteriocin**
Pakistan Journal of Pharmaceutical Sciences (2015) 28(4), 1331-1335 (IF: 0.581)
Asma Ansari, Nadir Naveed Siddiqui, Maria Ghani, Afsheen Aman, Shah Ali Ul Qader
- 16. Agar-agar entrapment increases the stability of endo- β -1,4-xylanase for repeated biodegradation of xylan**
International Journal of Biological Macromolecules (2015)75,121-127 (IF: 3.138)
Zainab Bibi, Faiza Shahid, Shah Ali Ul Qader, Afsheen Aman
- 17. Characterization of pectin degrading polygalacturonase produced by *Bacillus licheniformis* KIBGE-IB21**
Food Hydrocolloids (2015) 43, 819–824 (IF: 3.858)
Haneef Ur Rehman, Afsheen Aman, Mohammad Asif Nawaz, Shah Ali Ul Qader
- 18. Continuous degradation of maltose: improvement in stability and catalytic properties of maltase (α -glucosidase) through immobilization using agar-agar gel as a support**
Bioprocess and Biosystems Engineering (2015) 38(4), 631-638 (IF: 1.901)
Muhammad Asif Nawaz, Asad Karim, Afsheen Aman, Roberta Marchetti, Shah Ali Ul Qader, Antonio Molinaro
- 19. Scanning electron microscopy analysis of hair index on Karachi's population for social and professional appearance enhancement**
International Journal of Cosmetic Science (2015) 37(3), 312-320 (IF: 1.542)
Nida Ali, Rashida Rahmat Zohra, Shah Ali Ul Qader, Majid Mumtaz
- 20. Phenotypic and molecular characterization of *Aspergillus* species for the production of starch-saccharifying amyloglucosidase**
Annals of microbiology (2015) 65, 2287-2291 (IF: 1.232)
Sidra Pervez, Nadir Naveed Siddiqui, Asma Ansari, Afsheen Aman, Shah Ali Ul Qader
- 21. Hyper production of cellulose degrading endo (1, 4) β -d-glucanase from *Bacillus licheniformis* KIBGE-IB2**
Journal of Radiation Research and Applied Sciences (2015) 8, 160-165
Asad Karim, Muhammad Asif Nawaz, Afsheen Aman, Shah Ali Ul Qader
- 22. Production of xylan degrading endo-1, 4- β -xylanase from thermophilic *Geobacillus stearothermophilus* KIBGE-IB29**
Journal of Radiation Research and Applied Sciences (2014) 7, 478-485
Zainab Bibi, Asma Ansari, Raheela Rahmat Zohra, Afsheen Aman, Shah Ali Ul Qader
- 23. Immobilization of pectinase from *Bacillus licheniformis* KIBGE-IB21 on chitosan beads for continuous degradation of pectin polymers**

Biocatalysis and Agricultural Biotechnology (2014) 3, 282-287
Haneef Ur Rehman, Mohammad Asif Nawaz, Afsheen Aman, Abdul Hameed Baloch
Shah Ali Ul Qader

- 24. Antibacterial potential of *Calotropis procera* (flower) extract against various pathogens**
Pakistan Journal of Pharmaceutical Sciences (2014) 27(5) special 1565-1569 (IF: 0.581)
Abid Ali, Asma Ansari, **Shah Ali Ul Qader**, Majid Mumtaz, Sumayya Saied, Tabassum Mahboob
- 25. Enhanced production of maltase (α -glucosidase) from newly isolated strain of *Bacillus licheniformis* KIBGE-IB4**
Pakistan Journal of Pharmaceutical Sciences (2014) 27(5) special 1437-1442 (IF: 0.581)
Muhammad Asif Nawaz, Zainab Bibi, Afsheen Aman, Raheela Rahmat Zohra,
Shah Ali Ul Qader
- 26. Saccharification and liquefaction of cassava starch: an alternative source for the production of bioethanol using amylolytic enzymes by double fermentation process**
BMC Biotechnology 14:49 (29 May 2014) doi:10.1186/1472-6750-14-49 (IF: 2.452)
Sidra Pervez, Afsheen Aman, Samina Iqbal, Nadir Naveed Siddiqui and Shah Ali Ul Qader
- 27. Immobilization of Endo(1 \rightarrow 4) B-D- glucanase from *Bacillus Licheniformis* KIBGE-IB2 using agar agar as support for continuous use**
Chemical Engineering Transactions (2014) 38, 409-414
Asad Karim, Shah Ali Ul Qader, Asif Nawaz, Afsheen Aman
- 28. Enhanced production of cellulose degrading CMCase by newly isolated strain of *Aspergillus versicolor***
Carbohydrate Polymers (2014) 104,199-203 (IF: 4.219)
Sofia Qaisar, Rashida Rahmat Zohra, Afsheen Aman, **Shah Ali Ul Qader**
- 29. Immobilization of pectin degrading enzyme from *Bacillus Licheniformis* KIBGE IB-21 using agar-agar as a support**
Carbohydrate Polymers (2014) 102, 622-626 (IF: 4.219)
Haneef Ur Rehman, Afsheen Aman, Raheela Rahmat Zohra, **Shah Ali Ul Qader**
- 30. Structural analysis and characterization of dextran produced by wild and mutant strains of *Leuconostoc mesenteroides***
Carbohydrate Polymers (2014) 99(1) 331-338 (IF: 4.219)
Nadir Naveed Siddiqui, Afsheen Aman, Alba Silipo, **Shah Ali Ul Qader**, Antonio Molinaro
- 31. Strain improvement by mutation for enhanced production of starch-saccharifying glucoamylase from *Bacillus licheniformis***
Starch – Stärke (2013) 65 (9-10) 875-884 (IF: 1.523)
Maria Ghani, Afsheen Aman, Haneef Ur Rehman, Nadir N Siddiqui, **Shah Ali Ul Qader**

- 32. Isolation and characterization of different strains of *Bacillus licheniformis* for the production of commercially significant enzymes**
Pakistan Journal of Pharmaceutical Sciences (2013) 26(4) 691-697 **(IF: 0.581)**
Maria Ghani, Asma Ansari, Afsheen Aman, Rashida Rahmat Zohra,
Nadir Naveed Siddiqui, **Shah Ali UI Qader**
- 33. Influence of phytic acid and its metal complexes on the activity of pectin degrading polygalacturonase**
Carbohydrate polymers (2013) 95(1) 167-170 **(IF: 4.219)**
Uzma Asghar, Haneef Ur Rehman, **Shah Ali UI Qader**, Zahida Tasneem Maqsood
- 34. Degradation of complex carbohydrate: Immobilization of pectinase from *Bacillus licheniformis* KIBGE-IB21 using calcium alginate as a support**
Food Chemistry (2013) 139(1-4) 1081-1086 **(IF: 4.052)**
Haneef Ur Rehman, Afsheen Aman, Alba Silipo, **Shah Ali UI Qader**,
Antonio Molinaro, Asma Ansari
- 35. Optimization of growth conditions for the isolation of dextran producing *Leuconostoc* spp. from indigenous food sources**
Pakistan Journal of Pharmaceutical Sciences (2013)26(4) 793-797 **(IF: 0.581)**
Farwa Sarwat, Nuzhat Ahmed, Afsheen Aman, **Shah Ali UI Qader**
- 36. Dextranase: Hyper production of dextran degrading enzyme from newly isolated strain of *Bacillus licheniformis***
Carbohydrate Polymers (2013) 92(2) 2149-2153 **(IF: 4.219)**
Rashida Rehmat Zohra, Afsheen Aman, Raheela Rahmat Zohra, Asma Ansari,
Maria Ghani, **Shah Ali UI Qader**
- 37. 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 **(IF: 4.219)**
Saeeda Bano, **Shah Ali UI Qader**, Afsheen Aman, Mohammad Noman Syed, Kamran Durrani
- 38. Mutational analysis and characterization of dextran synthesising enzyme from wild and mutant strain of *Leuconostoc mesenteroides***
Carbohydrate Polymers (2013) 91(1) 209-216 **(IF: 4.219)**
Nadir Naveed Siddiqui, Afsheen Aman, **Shah Ali UI Qader**
- 39. Studies of an Eye Cosmetic in Experimental Animals**
World Applied Sciences Journal (2012) 20 (10) 1336-1340
Zahra Yaqeen, Atiq-Ur-Rehman, Zakir-Ur-Rehman, **Shah Ali-UI-Qader**,
Nudrat Fatima, Tehmina Sohail, Hina Imran, Khaula Shirin

- 40. Determination of lead and cadmium in hen eggs by Graphite Furnace Electrothermal Atomic Spectrometry and estimation of daily intake**
Pak. J. Sci. Ind. Res. **B**; Biol. Sci. (2012) 55(2). 93-100
Ishratullah Siddiqui, Shaikh Sirajuddin Nizami, Farooq Ahmed Khan, Durdana Rais Hashmi, Uzma Rashid, Alia Bano Munshi, **Shah Ali Ul Qader**
- 41. Polygalacturonase: Production of pectin depolymerising enzyme from *Bacillus licheniformis* KIBGE IB-21**
Carbohyd Polym (2012) 90(1), 387-391 **(IF: 4.219)**
Haneef Ur Rehman, **Shah Ali Ul Qader**, Afsheen Aman
- 42. Structural analysis of kappa-carrageenan isolated from *Hypnea musciformis* (red algae) and evaluation as an elicitor of plant defense mechanism**
Carbohyd Polym (2012) 88(4), 1264-1271 **(IF: 4.219)**
Muhammad Arman, **Shah Ali Ul Qader**
- 43. Bacteriocin (Bac-IB 17): Screening, isolation and production from *Bacillus subtilis* KIBGE IB-17**
Pak. J. Pham. Sci. (2012) 25(1) 195-201 **(IF: 0.581)**
Asma Ansari, Afsheen Aman, Nadir Naveed Siddiqui, Samina Iqbal, **Shah Ali Ul Qader**
- 44. Low molecular weight dextran: Immobilization of cells of *Leuconostoc mesenteroides* KIBGE HA1 on calcium alginate beads**
Carbohyd Polym (2012) 87(4) 2589-2592 **(IF: 4.219)**
Shah Ali Ul Qader, Afsheen Aman
- 45. Characterization and potential applications of high molecular weight dextran produced by *Leuconostoc mesenteroides* AA1**
Carbohyd Polym (2012) 87(1) 910-915 **(IF: 4.219)**
Afsheen Aman, Nadir Naveed Siddiqui, **Shah Ali Ul Qader**
- 46. Germination potential index of Sindh rice cultivars on biochemical basis using amylase as an indicator**
Afr. J. Biotechnol. (2011) 10(80), 18334-18338
Sadia Galani, Afsheen Aman and **Shah Ali Ul Qader**
- 47. Continuous production of dextran from Immobilized cells of *Leuconostoc mesenteroides* KIBGE HA1 using acrylamide as a support**
Indian journal of microbiology (2011) 51(3) 279-282 **(IF: 1.143)**
Shah Ali Ul Qader, Afsheen Aman, Abid Azhar
- 48. Dental caries in diabetes mellitus: role of salivary flow rate and minerals**
Journal of Diabetes and its complications (2011) 25(3) 183-186 **(IF: 2.955)**
Muhammad Jawed' Syed M. Shahid, **Shah A. Qader**, Abid Azhar

- 49. Serum Nitric Oxide and Sialic Acid: Possible Biochemical Markers for Progression of Diabetic Nephropathy**
World Academy of Science, Engineering and Technology(2010) 46, 73-76
SM Shahid, R Shaikh, SN Nawab, **SA Qader**, A Azhar, T Mahboob
- 50. Purification and Characterization of novel α -amylase from *Bacillus subtilis* KIBGE-HAS**
AAPS PharmSciTech (2011) 12(1) 255-261 (IF: 1.954)
Saeeda Bano, **Shah Ali UI Qader**, Afsheen Aman, M. Noman Syed, Abid Azhar
- 51. Homozygous frame shift mutation in ECM1 gene in two siblings with lipoid proteinosis**
Journal of Dermatological Case Reports (2010) 4(4) 66-70 (ISI Index)
Azam J Samdani, Abid Azhar, Syed M Shahid, Syeda N Nawab, Rozeena Shaikh, **Shah A Qader**, Qaisar Mansoor, Bahram K Khoso, Muhammad Ismail
- 52. The safety profile studies of Kajal in rabbits**
World Applied Sciences Journal (2010) 9(2), 157-159 (ISI Index)
Zahra Yaqeen, Atiq-ur-Rehman, Zakir-ur-Rehman, **Shah Ali-UI-Qader**, Tehmina Sohail, Nudrat Fatima, Hina Imran, Khaula Shirin
- 53. Purification and Characterization of 60 kDa Lipase linked with chaperonin from *Pseudomonas aeruginosa* BN-1**
African Journal of Biotechnology (2010) 9(45), 7724-7732
M Noman Syed, Samina Iqbal, Saeeda Bano, A. Basit Khan, **Shah Ali UI Qader**, Abid Azhar
- 54. Comparison between clozapine, an atypical antipsychotic agent and haloperidol, a conventional agent used to treat schizophrenia**
Clinical Reviews and Opinions (2010) 2(2) 17-22
Asiya Rehman Atif, Muhammad Jawed, Syed Muhammad Shahid, **Shah Ali UI Qader**, Afsheen Aman
- 55. Screening of Halophytic Oil Seed Species as a Potential Source of Protein and Oil Seed Crops**
Seed Sci. Biotechnol. (2010) 4(1), 47-51
Afsheen Aman, Abid Azhar, **Shah Ali UI Qader**, M. Ajmal Khan
- 56. Calcium Alginate: A support material for immobilization of proteases from newly isolated strain of *Bacillus subtilis* KIBGE-HAS**
World Applied Sciences Journal (2009) 7(10), 1281-1286 (ISI Index)
Abida Anwar, **Shah Ali UI Qader**, Aliya Raiz, Samina Iqbal, Abid Azhar

- 57. Production of commercially important glucansucrase from a newly isolated strain of *Leuconostoc mesenteroides* AA1**
The internet Journal of Microbiology (2009) Volume 7 (1) **International Journal**
Afsheen Aman, **Shah Ali Ul Qader**, Saeeda Bano, Samina Iqbal, Abid Azhar
- 58. Immobilization of a thermostable α -amylase on calcium alginate beads from *Bacillus subtilis* KIBGE-HAR**
Australian Journal of Basic and applied Sciences (2009) 3(3), 2883-2887 **(ISI Index)**
Aliya Riaz, **Shah Ali Ul Qader**, Abida Anwar, Samina Iqbal
- 59. Proteomic analysis and characterization of a novel glucansucrase from a newly isolated strain of *Leuconostoc mesenteroides* AA1**
The internet Journal of Genomics and Proteomics (2009) Volume 5(1) **International Journal**
Afsheen Aman, **Shah Ali Ul Qader**, Saeeda Bano, Aftab Ahmed Khan, Abid Azhar
- 60. Partial purification and some properties of α -amylase from *Bacillus subtilis* KIBGE-HAS**
Indian journal of Biochemistry and Biophysics (2009) 4, 401-404 **(IF: 0.958)**
Saeeda Bano, **Shah Ali Ul Qader**, Afsheen Aman, Abid Azhar
- 61. Partial purification and characterization on Intracellular Alkaline Phosphatase from newly isolated strain of *Bacillus subtilis* KIBGE-HAS**
The internet Journal of Microbiology (2009) Volume 7 (1) **International Journal**
Shah Ali Ul Qader, Samina Iqbal, Zaman Niazi
- 62. Optimization of protease production from newly isolated strain of *Bacillus sp.* PCSIR EA-3**
Indian Journal of Biotechnology (2009) 8(3), 286-290 **(IF: 0.287)**
Shah Ali Ul Qader, Erum Shireen, Samina Iqbal, Abida Anwar
- 63. Production and characterization of thermostable α -amylase from a newly isolated strain of *Bacillus subtilis* KIBGE-HAR**
The internet Journal of Microbiology (2009) Volume 6 (1) **International Journal**
Aliya Riaz, **Shah Ali Ul Qader**, Abida Anwar, Samina Iqbal, Saeeda Bano
- 64. Effect of calcium ions and temperature on the production, activity and stability of dextranase from the newly isolated strain *Leuconostoc mesenteroides* PCSIR-4**
Romanian journal of Biochemistry (2008) 45(2), 159-168 **International Journal**
Shah Ali Ul Qader, Afsheen Aman, Saeeda Bano, Noman Syed, Abid Azhar
- 65. Influence of Temperature, Metal Ions and Organic Solvents on Extracellular Glucansucrase Activity of *Leuconostoc mesenteroides* AA1**
J. Chem. Soc. Pak. (2008) 30(6) 849-853 **(IF: 0.276)**
Afsheen Aman, **Shah Ali Ul Qader**, Samina Iqbal and Abid Azhar

- 66. Production & characterization of Unique Dextran from an Indigenous *Leuconostoc mesenteroides* CMG 713**
Int. J. Biol. Sci (2008) 4(6) 379-386 (IF: 3.982)
Farwa Sarwat, **Shah Ali Ul Qader**, Afsheen Aman and Nuzhat Ahmed
- 67. Role of calcium ions and temperature on dextransucrase production**
Indian Journal of Biotechnology (2008) 7, 404-406 (IF: 0.287)
Shah Ali Ul Qader, Afsheen Aman, Saeeda Bano, Noman Syed, Abid Azhar
- 68. Estimation of total and direct serum bilirubin using modified micro assay method**
Ita. J. Biochem. (2007) 56(2) 171-175 (IF: 0.375)
Shah Ali Ul Qader, Afsheen Aman and Saeeda Bano
- 69. Characterization of dextransucrase immobilized on calcium alginate beads from *Leuconostoc mesenteroides* PCSIR-4**
Ita. J. Biochem. (2007) 56(2) 158-162 (IF: 0.375)
Shah Ali Ul Qader, Afsheen Aman, Noman Syed, Saeeda Bano and Abid Azhar
- 70. Production and characterization of dextransucrase from newly isolated strain of *Leuconostoc mesenteroides* EA6**
International Journal of Biotechnology & Biochemistry (2007)3 (2-3) 117-129
Shah Ali Ul Qader, Erum Shireen, Afsheen Aman, Samina Iqbal, Abid Azhar
- 71. Effect of medium composition and incubation time course on the production of α - amylase from *Bacillus stearothermophilus***
Pak. J. Biochem. and Mol. Bio. (2007) 40 (2) 51-54
Aliya Riaz, **Shah Ali Ul Qader**, Abida Anwar, Samina Iqbal and Saeeda Bano
- 72. Effect of medium composition and incubation time on the production of extracellular proteases from newly isolated strain of *Bacillus* specie AAS-1**
Pak. J. Biochem. and Mol. Bio. (2007) 40 (1) 1-4
Abida Anwar, **Shah Ali Ul Qader**, Aliya Riaz, Samina Iqbal and Zaman Niazi
- 73. Enhanced production and extracellular activity of commercially important amylolytic enzyme by a newly isolated strain of *Bacillus. Sp.* AS-1**
Turkish J. Biochem (2006) 31(3) 135-140 (IF: 0.211)
Shah Ali Ul Qader, Saeeda Bano, Afsheen Aman, Noman Syed & Abid Azhar
- 74. Production of dextran by newly isolated strains of *Leuconostoc mesenteroides* PCSIR-4 and PCSIR-9**
Turkish J. Biochem (2006) 31(1) 21-26 (IF: 0.211)
Shah Ali Ul Qader, Lubna Iqbal, Afsheen Aman, Erum Shireen & Abid Azhar

- 75. Bioavailability of paracetamol tablets of a national pharmaceutical company**
 Pak. J. Biochem. Mol. Bio. (2006) 39 (1-2) 1-4
 Lubna Iqbal, Kausar Siddiqui, Abdul Wahab Zahid, Shah Ali Ul Qader, Husan Afroz
- 76. Development of technology for the preparation of In-house reagent to estimate ionized calcium in human fluid**
 Pak. J. Biochem. Mol. Bio. . (2005) 38 (3-4) 79-82
 M. Nadeem, Qurat-ul-Ain Syed, Shahjahan Baig & **Shah Ali Ul Qader**
- 77. Optimization of media composition for the production of amylolytic enzyme by *Bacillus Sp. AS-1***
 Pak. J. Biochem. Mol. Bio (2005) 38 (1-2) 36-40
 Saeeda Bano, **Shah Ali Ul Qader**, Samina Iqbal, Mohd Noman Syed & Abid Azhar
- 78. Screening of bacterial isolates from drinking water of Karachi for lipase production**
 Pak. J. Biochem. Mol. Bio. (2004) 37 (4) 156-161
 Mohd Noman Syed, Abdul Basit Khan, **Shah Ali Ul Qader**, Samina Iqbal, Sohail Shaukat, Abid Azhar
- 79. Production, activity and stability of a novel glucansucrase from a newly isolated strain of *Leuconostoc mesenteroides* PCSIR AA-1**
 Pak. J. Biochem. Mol. Bio. (2004) 37(3) 139-144
 Afsheen Aman, **Shah Ali Ul Qader**, Erum Shireen, Abid Azhar
- 80. Conversion of sucrose to dextran by immobilized cells of *Leuconostoc mesenteroides* (PCSIR-4) on acrylamide gel**
 Pak. J. Biochem. Mol. Bio. (2003), 36(2), 108-113
Shah Ali Ul Qader, Lubna Iqbal, Afsheen Aman, Husan Afroz Rizvi, Abid Azhar
- 81. Production of dextran from sucrose by newly isolated strain of *Leuconostoc mesenteroides* (PCSIR-3) with reference to *L.mesenteroides* NRRL B-512F**
 Biotechnol. Appl. Biochem. (2001) 34, 93-97 **(IF: 1. 429)**
Shah Ali Ul Qader, Lubna Iqbal, Husan Afroz Rizvi, Rabia Zuberi
- 82. Studies on the relationship of Dietary intake with Anthropometric measurements, Hematological variables and blood vitamins level of University Students**
 Kar. Univ. J. Sc.24 (1996) 1, 101-105,
 Shahla Zafar, Saleha Hasni, **S. Ali-Ul-Qader**

Abstract published in Impact factor Journal

- 1. Degradation of important food ingredient (pectin) using polyacrylamide gel entrapped pectinase for continuous use**
 Current opinion in Biotechnology (2013) 24 (Suppl 1) 35 **(IF: 8.035)**
Shah Ali Ul Qader, Haneef U Rehman, Afsheen Aman

2. Immobilization of protease from *Bacillus subtilis* KIBGE-HAS using polyacrylamide gel as a support for continuous use

J. Biotechnol. (2010) 150, Suppl. (1), 343

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Abida Anwar, **Shah Ali Ul Qader**, Aliya Riaz, Abid Azhar

B. CHAPTER IN BOOK

- Haneef Ur Rehman, Afsheen Aman, **Shah Ali Ul Qader** (2014). **Improving the Catalytic Properties of Pectinase from *Bacillus licheniformis* KIBGE-IB 21 by Entrapment in Calcium Alginate Beads**, Chapter 45, Biotechnology and Conservation of Species from Arid Regions, (Editors) Sardar A. Farooq, Raeid Abed and Senan Baqir, Volume No. 2, pp. 489-494.

Paper published in Books/Proceedings

1. Optimization of culture conditions for production of dextran with newly isolated strain of *Leuconostoc mesenteroides* strain PCSIR-10. (2002)

Abstract printed in the proceedings of 7th Pakistan Society for Biochemistry & Molecular Biology held at University of Punjab, Lahore. Pakistan.

Shah Ali Ul Qader, Afsheen Aman, Lubna Iqbal, Mohammad Nadeem

2. Studies on the synthesis of dextransucrase and dextran by immobilized cells of *Leuconostoc mesenteroides*.

Recent Trends in Biochemical Research in Pakistan, Edited by Qasim, Husnain, Ishaq and Abid Azhar, University of Karachi, (1994) 223-228

H. A. Rizvi, **S. Ali- Ul –Qader**, L. Iqbal, R. Zuberi

3. Conversion of sucrose to dextran by growing cells of freshly isolated strain of *Leuconostoc mesenteroides*.

Proc. ISBBP Symp. Biochem. Biophys. (1994) 1, 63-66

H. A. Rizvi, **S. Ali- Ul –Qader**, L. Iqbal, R. Zuberi and S. A. H. Zaidi

4. Studies on the production of dextran by free and immobilized cells of *Leuconostoc mesenteroides*.

Proceedings of First International Conference of Pharmaceutical Sciences (1992)

Rizvi, H. A., **Ali- Ul –Qader**, S., Iqbal, L., Zuberi, R and Zaidi, S. A. H.

PROTEIN SEQUENCE DEPOSITION

1. Characterization of intracellular dextransucrase from *Leuconostoc mesenteroides* AA1

Accession number: P 86897 (2011)

Aman A., **Qader S.A.U.**, Azhar A., Bano S.

<http://www.uniprot.org/uniprot/P86897>

2. **Alpha amylase from *Bacillus subtilis* KIBGE-HAS**
 Accession number: P 26901
 Bano S., **Qader S.A.U.**, Aman A., Azhar A.
<http://www.uniprot.org/uniprot/P269010>
3. **Molecular characterization of dextransucrase from *Leuconostoc mesenteroides* CMG713**
 Entry Name: GTF2_LEUME
 Accession number: P 85089
 Farwa Sarwat, **Shah Ali Ul Qader**, Afsheen Aman and Nuzhat Ahmed
<http://www.uniprot.org/uniprot/P85089>
4. **Purification and characterization of glucansucrase from *Leuconostoc mesenteroides* AA1**
 Entry Name: GTF1_LEUME
 Accession number: P 85080
 Afsheen Aman, **Shah Ali Ul Qader**, Noman Syed and Abid Azhar
<http://www.uniprot.org/uniprot/P85080>
5. **Chaperonin like 60kDa Lipase from *Pseudomonas aeruginosa***
 Accession number: P 30718
 Noman M., **Qader Ul.**, Aman A., Bano S., Azhar A., Basit A.
<http://www.uniprot.org/uniprot/P30718>
6. **PEPTIDE (Glucoamylase) (2013)**
 Maria Ghani, Haneef Ur Rehman, Nadir Naveed Siddiqui,
 Afsheen Aman, **Shah Ali Ul Qader**
 Accession number: **UniProtKB/Swiss-Prot C0HJE2**
7. **PEPTIDE (Dextranase) (2013)**
 Rashida Rehmat Zohra, Hafsa Sattar, Asad Karim, Afsheen Aman, **Shah Ali Ul Qader**
 Accession number: **UniProtKB/Swiss-Prot C0HJE3**
8. **PEPTIDE (Alpha-Amylase) (2013)**
 Raheela Rehmat Zohra, Asif Nawaz, Zainab Bibi, Afsheen Aman, Shah Ali Ul Qader.
 Accession number: **UniProtKB/Swiss-Prot C0HJE4**
9. **PEPTIDE (Bacteriocin: BAC-IB17) (2013)**
 Asma Ansari, Nadir Naveed Siddiqui, Rashida Rehmat Zohra, Afsheen Aman, Shah Ali
 Ul Qader.
 Accession number: **UniProtKB/Swiss-Prot C0HJE5**
10. **Production, purification and characterization of cellulase from wild and mutant strains of *Aspergillus versicolor* KIBGE-IB 37 (2014)**
 Accession number: **UniProtKB/Swiss-Prot C0HJH0**
 Endo β -1,4-Glucanase

GENE BANK DEPOSITION

- 2014 ***Bacillus subtilis* strain PCSIR 1 16S ribosomal RNA gene, partial sequence**
 Haq,T., Ali,T.A., Aman,A., Siddiqui,N.N. and **Ul Qader, S.A.**
 Accession number KJ586800 (2014)
- 2014 ***Bacillus subtilis* strain PCSIR 2 16S ribosomal RNA gene, partial sequence**
 Haq,T., Ali,T.A., Siddiqui,N.N., Aman,A. and **Ul Qader,S.A.**
 Accession number KJ586801 (2014)

- 2014** *Bacillus subtilis* strain PCSIR 3 16S ribosomal RNA gene, partial sequence
Haq,T., Ali,T.A., Aman,A., Siddiqui,N.N. and UI Qader, S.A .
Accession number KJ586802 (2014)
- 2013** **Characterization and immobilization of thermostable amyloglucosidase from *Aspergillus fumigatus* KIBGE-IB33**
Pervez,S., Siddiqui,N.N., Aman,A., Hameed,A., Ajmal,M. and UI Qader,S.A
Accession number KF905648 (2013)
- 2013** **Purification and characterization of amyolytic enzyme from *Aspergillus flavus* KIBGE-IB34**
Pervez,S., Siddiqui,N.N., Ansari,A., Aman,A., Hameed,A., Ajmal,M. and UI Qader,S.A
Accession number KF905649 (2013)
- 2013** **Identification of *Aspergillus terreus* KIBGE-IB35**
Pervez,S., Siddiqui,N.N., Zohra,R.R., Ghani,M., Aman,A., Hameed,A., Ajmal, M. and UI Qader,S.A
Accession number KF905650 (2013)
- 2013** **Characterization and immobilization of protease from *Aspergillus niger* KIBGE-IB36**
Sattar,H., Bibi,Z., Kareem,A., Siddiqui,N.N., Aman,A., Ajmal,M., Hameed,A., UI Qader,S.A. and Qaiser,S.
Accession number KF905651 (2013)
- 2013** **Purification and characterization of cellulases from *Aspergillus versicolor* KIBGE-IB37**
Qaisar,S., Shahid,F., Shaheen,S., Nawaz,A., Hameed,A., Aman,A., Ajmal,M., Siddiqui,N.N. and UI Qader,S.A.
Accession number KF905652 (2013)
- 2013** **Identification of Methicillin-resistant *Staphylococcus aureus* KIBGE IB23**
Ansari, A., Siddiqui,N.N., Ghani,M., Rehman,H.U., Zohra,R.R., Aman,A. and UI Qader,S.A
Accession number KC465400 (2013)
- 2013** **Identification of Methicillin-sensitive *Staphylococcus aureus* KIBGE-IB24**
Ansari,A., Siddiqui,N.N., Rehman,H.U., Pervez,S., Shahid,F., Bibi,Z., Aman,A. and UI Qader,S.A.
Accession number KC465401 (2013)
- 2013** **Identification and characterization of dextran degrading dextranase from *Bacillus licheniformis* KIBGE-IB25**

- Zohra,R.R., Siddiqui,N.N., Karim,A., Zohra,R.R., Rashid,U., Sattar,H., Aman,A. and **Qader,S.A.U**
Accession number KC465402 (2013)
- 2012 Characterization of pectinase producing strain of *Bacillus licheniformis* KIBGE IB 21**
Rehman,H.U., Aman,A., Ansari,A., Siddiqui,N.N., **UI Qader,S.A.**,Hameed,A. and Ajmal,M.
Accession number JQ411812 (2012)
- 2012 Characterization of dextran producing mutant strain of *Leuconostoc mesenteroides* KIBGE-IB 22M**
Siddiqui, N.N., Aman,A., Iqbal,S., Hameed,A., Ajmal,M., Nasir, M. and **UI Qader,S.A**
Accession number JQ658346 (2012)
- 2012 Characterization of dextran producing wild strain of *Leuconostoc mesenteroides* KIBGE-IB 22**
Siddiqui, N.N., Aman,A., Iqbal,S., Hameed,A., Ajmal,M., Nasir, M. and **UI Qader,S.A**
Accession number JQ658345 (2012)
- 2012 Isolation and Identification of *Micrococcus luteus* KIBGE IB-20**
Ansari,A., Aman,A., Siddiqui,N.N., Ghani,M., Zohra,R.R., **UI Qader,S.A.**, Hameed,A., Ur Rehman,H. and Pervez,S.
Accession number JQ250612 (2012)
- 2011 Production of commercial enzymes from *Bacillus subtilis* KIBGE-IB16**
Ansari,A., Iqbal,S., Siddiqui,N.N., Ghani,M., Aman,A., Hameed,A., Ajmal,M., **UI Qader,S.A.** and Azhar,A.
Accession number HQ 610927(2011)
- 2011 *Geobacillus stearothermophilus* strain KIBGE-IB18 16S ribosomal RNA gene, partial sequence**
Ansari,A., Iqbal,S., Siddiqui,N.N., Ghani,M., Aman,A., Hameed,A., Ajmal,M., **UI Qader,S.A.** and Azhar,A.
Accession number HQ 610926(2011)
- 2011 Production of dextran from *Leuconostoc mesenteroides* KIBGE IB19 isolated from molasses**
Ansari,A., Iqbal,S., Siddiqui,N.N., Ghani,M., Aman,A., Hameed,A., Ajmal,M., **UI Qader,S.A.** and Azhar,A.
Accession number HQ 588348 (2011)
- 2011 Purification and characterization of bacteriocin from *Bacillus subtilis* KIBGE IB17**
Ansari,A., Iqbal,S., Siddiqui,N.N., Ghani,M., Aman,A., Hameed,A., Ajmal,M., **UI Qader,S.A.** and Azhar,A.
Accession number HQ 588347 (2011)

- 2010 Isolation of novel ethanol producing strains of *Zymomonas mobilis* KIBGE-IB 14 from molasses**
Iqbal,S., Aman,A., Siddiqui,N.N., Mansoor,Q., Ismail,M., **Ul Qader,S.A.** and Azhar,A.
Accession number: HM102366 (2010)
- 2010 Isolation of novel ethanol producing strains of *Zymomonas mobilis* KIBGE-IB 15 from molasses**
Iqbal,S., Aman,A., Siddiqui,N.N., Mansoor,Q., Ismail,M., **Ul Qader,S.A.** and Azhar,A.
Accession number: HM102367 (2010)
- 2010 *Staphylococcus aureus* strain KIBGE-MB 01 16S ribosomal RNA gene, partial sequence**
Khatoon,A., Hussain,F., Siddiqui,N.N., Iqbal,S., Shahid,S.M., Aman,A., Ismail,M., Mansoor,Q., **Qader,S.A.** and Azhar,A.
Accession number: HM061132
- 2010 *Staphylococcus aureus* strain KIBGE-MB 02 16S ribosomal RNA gene, partial sequence**
Khatoon,A., Hussain,F., Siddiqui,N.N., Iqbal,S., Shahid,S.M., Aman,A., Ismail,M., Mansoor,Q., **Qader,S.A.** and Azhar,A.
Accession number: HM061133
- 2010 *Staphylococcus aureus* strain KIBGE-MB 03 16S ribosomal RNA gene, partial sequence**
Khatoon,A., Hussain,F., Siddiqui,N.N., Iqbal,S., Shahid,S.M., Aman,A., Ismail,M., Mansoor,Q., **Qader,S.A.** and Azhar,A.
Accession number: HM061134
- 2010 *Staphylococcus aureus* strain KIBGE-MB 04 16S ribosomal RNA gene, partial sequence**
Khatoon,A., Hussain,F., Siddiqui,N.N., Iqbal,S., Shahid,S.M., Aman,A., Ismail,M., Mansoor,Q., **Qader,S.A.** and Azhar,A.
Accession number: HM061135
- 2010 Identification and Characterization of Newly Isolated Dextran and Dextranucrase Producing Strain of *Leuconostoc mesenteroides* KIBGE-IB6 by Sequencing the Gene Fragments**
Iqbal,S., Naveed Siddiqui,N., Ansari,A., Ghani,M., Aman,A., Hameed,A., Ajmal,M., **Ali Ul Qader,S.** and Azhar,A.
Accession number: GU907668
- 2010 Identification and Characterization of Newly Isolated Dextran and Dextranucrase Producing Strain of *Leuconostoc mesenteroides* KIBGE-IB6 by Sequencing the Gene Fragments**
Iqbal,S., Naveed Siddiqui,N., Ansari,A., Ghani,M., Aman,A., Hameed,A., Ajmal,M., **Ali Ul Qader,S.** and Azhar,A.
Accession number: GU907669

- 2010 Identification and Characterization of Newly Isolated Dextran and Dextransucrase Producing Strain of *Leuconostoc mesenteroides* KIBGE-IB8 by Sequencing the Gene Fragments**
Iqbal,S., Naveed Siddiqui,N., Ansari,A., Ghani,M., Aman,A., Hameed,A., Ajmal,M., Ali UI Qader,S. and Azhar,A.
Accession number: GU907670
- 2010 Identification and Characterization of Newly Isolated Dextran and Dextransucrase Producing Strain of *Leuconostoc mesenteroides* KIBGE-IB9 by Sequencing the Gene Fragments**
Iqbal,S., Naveed Siddiqui,N., Ansari,A., Ghani,M., Aman,A., Hameed,A., Ajmal,M., Ali UI Qader,S. and Azhar,A.
Accession number: GU907671
- 2010 Identification and Characterization of Newly Isolated Dextran and Dextransucrase Producing Strain of *Leuconostoc mesenteroides* KIBGE-IB10 by Sequencing the Gene Fragments**
Iqbal,S., Naveed Siddiqui,N., Ansari,A., Ghani,M., Aman,A., Hameed,A., Ajmal,M., Ali UI Qader,S. and Azhar,A.
Accession number: GU907674
- 2010 Identification and Characterization of Newly Isolated Dextran and Dextransucrase Producing Strain of *Leuconostoc mesenteroides* KIBGE-IB11 by Sequencing the Gene Fragments**
Iqbal,S., Naveed Siddiqui,N., Ansari,A., Ghani,M., Aman,A., Hameed,A., Ajmal,M., Ali UI Qader,S. and Azhar,A.
Accession number: GU907672
- 2010 Identification and Characterization of Newly Isolated Dextran and Dextransucrase Producing Strain of *Leuconostoc mesenteroides* KIBGE-IB12 by Sequencing the Gene Fragments**
Iqbal,S., Naveed Siddiqui,N., Ansari,A., Ghani,M., Aman,A., Hameed,A., Ajmal,M., Ali UI Qader,S. and Azhar,A.
Accession number: GU907675
- 2010 Identification and Characterization of Newly Isolated Dextran and Dextransucrase Producing Strain of *Leuconostoc mesenteroides* KIBGE-IB13 by Sequencing the Gene Fragments**
Iqbal,S., Naveed Siddiqui,N., Ansari,A., Ghani,M., Aman,A., Hameed,A., Ajmal,M., Ali UI Qader,S. and Azhar,A.
Accession number: GU907673
- 2009 Proteomic analysis and characterization of a novel glucansucrase from a newly isolated strain of *Leuconostoc mesenteroides* AA1**
Aman, A., Ansari,A., Naveed Siddiqui, N., Hameed, A., Iqbal, S., Saleem, S., Ali UI Qader,S. and Azhar,A.
Accession number: GU216257

- 2009 Identification and characterization of an amylase producing strain of *Bacillus licheniformis* KIBGE-IB1 by sequencing the gene fragments**
Aman,A., Ansari,A., Naveed Siddiqui,N., Hameed, A., Ajmal, M., Saleem, S., Ali Ul Qader S. and Azhar,A
Accession number: GU216258
- 2009 Identification and characterization of an amylase producing strain of *Bacillus licheniformis* KIBGE-IB2 by sequencing the gene fragments**
Aman,A., Ansari,A., Naveed Siddiqui,N., Hameed, A., Ajmal, M., Ali Ul Qader S. and Azhar,A
Accession number: GU21625
- 2009 Identification and characterization of an amylase producing strain of *Bacillus licheniformis* KIBGE-IB3 by sequencing the gene fragments**
Aman,A., Ansari,A., Naveed Siddiqui,N., Hameed, A., Ajmal, M., Ali Ul Qader S. and Azhar,A
Accession number: GU216260
- 2009 Identification and characterization of an amylase and glucoamylase producing strain of *Bacillus licheniformis* KIBGE-IB4 by sequencing the gene fragments**
Aman,A., Ansari,A., Naveed Siddiqui,N., Hameed, A., Ajmal, M., Ali Ul Qader S. and Azhar,A
Accession number: GU216261
- 2009 Identification and characterization of an amylase and glucoamylase producing strain of *Bacillus licheniformis* KIBGE-IB5 by sequencing the gene fragments**
Aman,A., Ansari,A., Naveed Siddiqui,N., Hameed, A., Ajmal, M., Ali Ul Qader S. and Azhar,A
Accession number: GU216262
- 2008 Identification and Characterization of Newly Isolated Dextran Producing Strain of *Leuconostoc mesenteroides* by sequencing the Gene Fragments**
Hussain,M., Ali-ul-Qader, S., Khan,A., Nawab, N., Zehra,S., Aman,A. and Azhar,A.
Accession number: FJ467346 (2008)
- 2008 Identification and Characterization of Newly Isolated Dextran Producing Strain of *Leuconostoc mesenteroides* by sequencing the Gene Fragments**
Hussain,M., Ali-ul-Qader, S., Khan,A., Nawab,N., Zehra,S., Aman,A., Iqbal,S. and Azhar,A.
Accession number: FJ467347 (2008)
- 2008 Identification and Characterization of Newly Isolated Dextran Producing Strain of *Leuconostoc mesenteroides* by sequencing the Gene Fragments**
Hussain, M., Ali-ul-Qader, S., Khan, A., Nawab, N., Zehra, S., Aman,A., Iqbal, S. and Azhar,A.
Accession number: FJ467348 (2008)
- 2008 Identification and characterization of newly isolated dextran producing strain of *Leuconostoc mesenteroides* HA-2 by sequencing the Gene Fragments**
Hussain, M., Ali -Ul - Qader, S., Hameed, A and Azhar, A.

Accession number: EU816359 (2008)

2008 Characterization and Phylogeny of commercially important Alpha amylase and Protease producing strain of *Bacillus subtilis* KIBGE-HAS

Hussain, M., Ali -UI - Qader, S., Hameed, A., Bano, S., Khan, A., Aman, A., Noman. M. and Azhar, A.

Accession number: EU819145 (2008)

2008 Molecular characterization of amylase producing strain of *Bacillus subtilis* KIBGE-HAR

Hussain, M., Ali -UI - Qader, S., Hameed, A., Aman, A., Raiz, A., Iqbal, S., Anwar, A. and Azhar, A.

Accession number: EU819144 (2008)

Ph.D. THESIS COMPLETED

S. No	Name of Student	Topic of Research	Department/Institute	Year
1	Sidra pervez	Characterization of matrix bound (immobilized) thermostable amyloglucosidase from <i>Aspergillus fumigatus</i>	Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi. Karachi-75270, Pakistan	2016
2	Samina Iqbal	Production and characterization of clinical grade dextran from newly isolated strain of <i>Leuconostoc mesenteroides</i>	Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi Karachi-75270, Pakistan	2016
3	Sofia Qaisar	Production, purification and characterization of cellulases from wild and mutant strains of <i>Aspergillus</i> sp.	Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi, Karachi-75270, Pakistan	2015
4	Asad Kareem	Characterization and matrix entrapment of cellulose degrading endo-1,4- β -D-glucanase	Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi, Karachi-75270, Pakistan	2015
5	Muhammad Asif Nawaz	Characterization and immobilization of maltase using different synthetic and non-synthetic polymers	Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi,	2015

6	Rashida Rahmat Zohra	Dextranase: Isolation, purification and characterization of dextran hydrolyzing enzyme from indigenous Bacillus specie	Karachi-75270, Pakistan Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi, Karachi-75270, Pakistan	2014
7	Haneef –Ur- Rehman	Immobilization and characterization of pectinase from Bacillus species using different support	Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi, Karachi-75270, Pakistan	2014
8	Uzma Asghar	Studies related to the complex of phytic acid with the metals of biological interest	Department of Chemistry, University of Karachi, Karachi-75270, Pakistan	2013
9	Raheela Rahmat Zohra	Isolation and characterization of starch degrading enzyme from a thermostable Bacillus	Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi, Karachi-75270, Pakistan	2013
10	Abida Anwar	Isolation, characterization and immobilization of protease from a newly isolated strain of Bacillus sp.	Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi, Karachi-75270, Pakistan	2013
11	Nadir Naveed Siddiqui	Isolation, production and characterization of dextran from wild and mutant strain of <i>Leuconostoc mesenteroides</i> .	Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi, Karachi-75270, Pakistan	2013
12	Aliya Riaz	Isolation, characterization and Immobilization of alpha-amylase from Thermophilic Bacillus sp.	Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi, Karachi-75270, Pakistan	2012

Ph.D. THESIS IN PROGRESS

Name of Student	Topic of Research	Department/Institute	Registration Year
Urooj Javaid	Production, characterization and purification of xylanase from Aspergillus species	Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi	2015

Faiza Shahid	Characterization and immobilization of dextranase from <i>Bacillus</i> species using different synthetic and non synthetic polymers	Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi	2014
Aysha Naseem	Production and matrix entrapment of β -galactosidase from <i>Bacillus</i> species for continuous use	Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi	2013
Hafsa Sattar	Immobilization of protease from <i>Aspergillus</i> species	Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi.	2012

SPONSORED PROJECTS IN PROGRESS

Name of the Project	Principal/Co-investigator	Sponsoring Agency	Amount (Rs.)	Year
Production of clinical grade dextran from newly isolated strain of <i>Leuconostoc mesenteroides</i>	Dr. Shah Ali Ul Qader (Principal Investigator)	Higher Education Commission (HEC)	42,06,000/-	2011
Isolation, purification and characterization of Glucoamylase from <i>Bacillus licheniformis</i>	Dr. Shah Ali Ul Qader (Co-Investigator)	Higher Education Commission (HEC)	47,22,000/-	2011
Production and characterization and in vitro applications of <i>Bacillus</i> bacteriocin active against multi drug resistant organisms prevalent in the community	Dr. Shah Ali Ul Qader (Co-Principal Investigator) Dr. Asma Ansari (Principal Investigator)	Higher Education Commission (HEC)	45,07,695/-	2015
Molecular analysis of the interplay between dextran and levan production from <i>Leuconostoc mesenteroides</i> for enhanced production of commercial grade dextran characterization of Glucoamylase from <i>Bacillus licheniformis</i>	Dr. Shah Ali Ul Qader (Co-Principal Investigator) Dr. Nadir Naveed Siddiqui (Principal Investigator)	Higher Education Commission (HEC)	10,233,960/-	2015

SPONSORED PROJECTS COMPLETED

Sr. #	Name of the Project	Principal/Co-investigator	Sponsoring Agency	Amount (Rs.)	Year
01	Studies on the use of immobilized enzyme for commercial production of Dextran	Dr. Shah Ali Ul Qader (Co-Investigator)	NSRDB	336000/-	1990-1993
02	Bioavailability of Drugs	Dr. Husan Afroz Rizvi Dr. Mufti Asifullah Dr. Shah Ali ul Qader	IDB	15000/- US\$	2004
03	Diagnosis of HBsAg and Anti-HCV in Population of Balochistan (Pakistan)	Dr. Shah Ali Ul Qader Miss Saeeda Bano Miss Samina Bano	PSDP Project Ref: <i>ILD/Ref. proj-3666/07</i>	1,35,000/-	2008
04	Spreading of Infectious diseases (HCV & HBV) in common population (An alarming condition for Pakistan)	Dr. Shah Ali Ul Qader Miss Saeeda Bano Dr. Afsheen Aman Miss Samina Iqbal	PSDP Project Ref: <i>ILD/Ref. proj-195/08</i>	1,01,000/-	2008

PATENT FILED

“Diet-n- smart, A weight reducing Dietary formula”

Dr. Husan Afroz Rizvi, Lubna Iqbal, Dr. Mufti Asif-Ullah, **Shah Ali Ul Qader**, Kausar Siddiqui and Yasar Saleem

Patent application No. 220/2005

Dated: 12-03-2005

“A process for the commercial production of Enzymatic Glucose Reagent Kit for Hospitals and Pathological Laboratories”

Shah Ali Ul Qader and Dr. Husan Afroz Rizvi

Patent application No. 298/2005

Dated: 30-03-2005

PROCESSES LEASE

A process for the production of Soy based dieting supplement was leased to M/s. Prime Nutraceuticals on 25.11.2002 for Rs.50,000/- (ILD/Process-2467/2002).

RESEARCH/ TEACHING EXPERIENCE (21 Years)

Associate Professor

Working as Associate Professor in “The Karachi Institute of Biotechnology and Genetic Engineering (KIBGE)”, University of Karachi, Karachi, Pakistan.

Assistant Professor

Worked as Assistant Professor in Institute of Sustainable Halophyte Utilization, University of Karachi.

Senior Research Associate

Worked as Senior Research Associate on project “*Production of Diagnostic Kits and Reagents*”.

Lecturer

Served as a lecturer of Biochemistry in D. J. Science College for the year 1989-1990. My job responsibilities were to deliver the lecture and practical knowledge to the B.Sc part I & II students of the Department of Biochemistry.

MEMBERSHIP AND PROFESSIONAL AFFILIATION

- Member Board of Studies Department of Genetics, University of Karachi
- Member, Board of Studies, Faculty of Science, University of Karachi
- Senior Member, Asia-Pacific Chemical, Biological and Environmental Engineering Society (APCBEES)
- Editor Journal of Microbial Research
- Editor In Chief “Internet Journal of Genomics and Proteomics”.
http://www.ispub.com/journal/the_internet_journal_of_genomics_and_proteomics.html
- Editor Journal of Brewing and Distilling
- Reviewer African Journal of Microbial Research
- Reviewer Critical Reviews in Biotechnology
- Reviewer Food Chemistry
- Reviewer Carbohydrate Polymers
- Reviewer Pakistan Journal of Pharmaceutical Sciences
- Reviewer of African Journal of Food Science and Technology
- Member Editorial Board Online Journal of Biotechnology Research
- Reviewer of Maejo International Journal of Science and Technology
- Reviewer of African journal of Biotechnology.
- Reviewer of World Journal of Applied Science, an ISI Journal.
- Reviewer of Pakistan journal of Biochemistry and Molecular Biology.

- Reviewer of International Research Journal of Biotechnology (IRJOB).
- Reviewer of Advances in Food Sciences (AFS)

PAPER PRESENTED/PARTICIPATION IN SEMINARS & CONFERENCES

Asma Ansari, Afsheen Aman, Shah Ali Ul Qader “**Biological synthesis and interplay of bacteriocin-nanoparticles to combat infectious diseases**” presented at “International conference on environmental horizon (ICEH-2015), University of Karachi, January 9-11, 2015.

Sidra Pervez, Afsheen Aman, Shah Ali Ul Qader “**Saccharification and liquefaction of cassava starch: An alternative source for the production of bioethanol using fungal amyolytic enzymes by double fermentation process**” presented at EMBL, Heidelberg, Germany, 28-30 September, 2014.

Delivered a lecture in 3RD International conference and Exhibition on Probiotics, Functional and Baby Foods, “**Carbohydrate-enzyme interaction increases stability and reusability of maltase in entrapped environment**” organized by Omics group conference 23-25 June, Naples, 2014, Italy.

Delivered a lecture in 4th International conference on Industrial Biotechnology “**Immobilization of endo (1→4) β-D- glucanase from *Bacillus Licheniformis* KIBGE-IB2 using agar agar as support for continuous use**” organized by The Italian Association of Chemical Engineering 8-11 June, 2014 - Rome, Italy

Afsheen Aman, Maria Ghani, Shah Ali Ul Qader “**Saccharification of starch using glucoamylase produced by a hyper-productive mutant of *Bacillus licheniformis***” presented at “BioCon 2012, Biochemistry in post genomic era” at Department of Biochemistry, University of Karachi, July 9-11, 2012.

Delivered a lecture in BIOPOL 2013, 4th International conference on Biodegradable and Bio based polymer “**Degradation of pectin using immobilized polygalacturonase in polyacrylamide gel for continuous use**” organized by The European Centre for Nano structured Polymers (ECNP), 1-3, October, 2013 - Rome, Italy

Sidra Pervez, Afsheen Aman, Shah Ali Ul Qader “**Thermostable amyloglucosidase: production and characterization from *Aspergillus fumigates***” Presented at 1st National Symposium on “New Horizons of Microbiology, Federal Urdu University of Arts, Science and Technology, 7-8th November, 2012

Haneef Ur Rehman, Afsheen Aman, Shah Ali Ul Qader “**Entrapment of enzyme within carbohydrate polymer: An efficient method for increasing the stability of pectinase**” Presented at 1st National Symposium on “New Horizons of Microbiology, Federal Urdu University of Arts, Science and Technology, 7-8th November, 2012.

Maria Ghani, Afsheen Aman, Shah Ali Ul Qader “**Starch digesting glucoamylase: Mutational analysis to improve commercial production**” Presented at 1st National Symposium on “New Horizons of Microbiology, Federal Urdu University of Arts, Science and Technology, 7-8th November, 2012

Rashida Rahmat Zohra, Afsheen Aman, Shah Ali Ul Qader “**Dextranase: Production and kinetic analysis of dextranolytic enzyme from *Bacillus licheniformis***” Presented at 1st National Symposium on “New Horizons of Microbiology, Federal Urdu University of Arts, Science and Technology, 7-8th November, 2012

Nadir Naveed Siddiqui, Afsheen Aman, Shah Ali Ul Qader “**Characterization of dextran by spectroscopic analysis**” Presented at 1st National Symposium on “New Horizons of Microbiology, Federal Urdu University of Arts, Science and Technology, 7-8th November, 2012

Asma Ansari, Afsheen Aman, Shah Ali Ul Qader “**Purification and characterization of a new bacteriocin (Bac-IB17) against multidrug resistant organisms**” Presented at 1st National Symposium on “New Horizons of Microbiology, Federal Urdu University of Arts, Science and Technology, 7-8th November, 2012

Afsheen Aman, Asma Ansari, Shah Ali Ul Qader “**Bac-IB17: Characterization of a potential bacteriocin from *Bacillus subtilis* with antimicrobial activity against MRSA**” presented at “IBS 2012, 15th International biotechnology symposium and exhibition, EXCO, Daegu, Republic of Korea, September, 16-21, 2012.

Asma Ansari, Afsheen Aman, Shah Ali Ul Qader “**Bac-IB17: Characterization of a potential bacteriocin against MRSA from *Bacillus subtilis* KIBGE-IB17**” presented at “BioCon 2012, Biochemistry in post genomic era” at Department of Biochemistry, University of Karachi, July 9-11, 2012.

Sidra Pervez, Afsheen Aman, Shah Ali Ul Qader “**Production of amyloglucosidase from *Aspergillus fumigatus***” presented at “BioCon 2012, Biochemistry in post genomic era” at Department of Biochemistry, University of Karachi, July 9-11, 2012.

Maria Ghani, Afsheen Aman, Shah Ali Ul Qader “**Mutational analysis: Enhanced production of glucoamylase by *Bacillus licheniformis* KIBGE-IB3**” presented at “BioCon 2012, Biochemistry in post genomic era” at Department of Biochemistry, University of Karachi, July 9-11, 2012.

Rashida Rahamt Zohra, Afsheen Aman, Shah Ali Ul Qader “**Dextranase: An enzyme for industry**” presented at “BioCon 2012, Biochemistry in post genomic era” at Department of Biochemistry, University of Karachi, July 9-11, 2012.

Nadir Naveed Siddiqui, Afsheen Aman, Shah Ali Ul Qader “**Production and characterization of a biopolymer (dextran) produced by wild and mutant strains of *Leuconostoc mesenteroides***” presented at “BioCon 2012, Biochemistry in post genomic era” at Department of Biochemistry, University of Karachi, July 9-11, 2012.

Haneef Ur Rehman, Afsheen Aman, Shah Ali Ul Qader “**Immobilization of pectinase on calcium alginate beads for continuous use in industry**” presented at “BioCon 2012, Biochemistry in post genomic era” at Department of Biochemistry, University of Karachi, July 9-11, 2012.

Delivered a lecture in III Convegno-Scuola sulla Chimica dei Carboidrati, (XIII CSCC) Symposium entitle “**Degradation of complex carbohydrate: Immobilization of pectinase from *Bacillus licheniformis* using calcium alginate as a support for continuous use**” organized by Italian Chemical Society (Italy) 24th -27th June, 2012

Delivered a lecture in Dipartimento di Chimica Organica e Biochimica, Università di Napoli Federico II, Complesso Universitario Monte Sant’ Angelo Napoli (Italy) entitle “**Immobilization of enzymes for industrial uses**” 22nd June, 2012

Worked as a Co-organizer in a Third ICLS-KIBGE international conference “**Responsible Conduct of Science**” organized by KIBGE, University of Karachi 14th -15th November, 2011

Afsheen Aman, Shah Ali Ul Qader “**Purification and characterization of intracellular dextransucrase from *Leuconostoc mesenteroides* AA1**” presented at “VI Congress of Polish Biotechnology and IV Eurobiotech, Four colours of biotechnology, 2011.

Delivered a lecture in workshop on Fermentation strategies for the production of commercial enzymes entitle “**Immobilization of bacterial cells for the production of biopolymer**” organized by KIBGE, University of Karachi 4th -7th October, 2011

Delivered a lecture in workshop on Fermentation strategies for the production of commercial enzymes entitle “**Optimization of fermentation conditions for bulk production of enzymes**” organized by KIBGE, University of Karachi 4th -7th October, 2011

Delivered a lecture in 16th Eurocarb entitle “**Immobilization of cells of *Leuconostoc mesenteroides* KIBGE HA1 on calcium alginate beads for the continuous production of low molecular weight dextran**” organized by Dipartimento di Chimica Organica e Biochimica, Università di Napoli Federico II, Complesso Universitario Monte Sant’ Angelo Napoli (Italy) 3rd -7th July, 2011

Attended a seminar “**Export and assembly of capsular polysaccharide in gram-negative bacteria**” organized by Dipartimento di Chimica Organica e Biochimica, Università di Napoli Federico II, Complesso Universitario Monte Sant’ Angelo Napoli (Italy) 29 June, 2011

Afsheen Aman, Shah Ali Ul Qader, Abid Azhar “**Purification and characterization of a novel dextransucrase from a newly isolated strain of *Leuconostoc mesenteroides* AA1**” presented at “Asian Congress on Biotechnology”, Shanghai, China, May 11-15, 2011.

Attended a workshop “**Advances in ecophysiology of salt tolerance**” organized by Institute of Sustainable Halophyte Utilization (ISHU), University of Karachi from 11-13 April, 2011

Syed M. Shahid, Azam J. Samdani, Abid Azhar, Syeda N. Nawab, Rozeena Shaikh, **Shah A. Qader** and Muhammad Ismail. Genetic Mutation in *ECMI* Gene in Lipoid Proteinosis: A Rare Congenital Skin Disorder. Presented at The 3rd Biochemistry & Molecular Biology (BMB) International Conference entitle: “*From Basic to Translational Research for a Better Life*”, on April 6-8, 2011, Organized by Science Society of Thailand and Chiang Mai University, Chiang Mai, Thailand

Nadir Naveed Siddiqui, Afsheen Aman, Shah Ali Ul Qader, Abid Azhar “**Characterization and NMR Spectroscopic Analysis of industrially important dextran produced from *Leuconostoc mesenteroides***” presented at “symposium cum workshop on “Tools in Biomedical Research” Golden Jubilee Celebration Series, Department of Biochemistry, University of Karachi, March 1-3, 2011.

Maria Ghani, Afsheen Aman, Shah Ali Ul Qader, Abid Azhar “**Optimization of physico-chemical factors for glucoamylase production from newly isolated strain of *Bacillus licheniformis* KIBGE-IB3**” presented at “symposium cum workshop on “Tools in Biomedical Research” Golden Jubilee Celebration Series, Department of Biochemistry, University of Karachi, March 1-3, 2011.

Rozeena Shaikh, Syed M. Shahid, Syeda N. Nawab, *Shah A. Qader* and Abid Azhar. **Angiotensin-I converting enzyme gene polymorphism in diabetic nephropathy.** Presented at 10th Biennial Conference of Pakistan Society for Biochemistry & Molecular Biology (PSBMB), entitled: “*Biomolecular Sciences in Development*” on December 1-5, 2010 at The Karachi Institute of Biotechnology & Genetic Engineering (KIBGE), University of Karachi, Karachi, Pakistan.

Syeda N. Nawab, Syed M. Shahid, Rozeena Shaikh, *Shah A. Qader*, Abid Azhar, Azam J. Samdani, Muhammad Ismail, Bahram K. Khoso. **Frame shift mutation of the extracellular matrix protein 1 gene (ECM1) in Pakistani siblings with lipoid proteinosis.** Presented at 10th Biennial Conference of Pakistan Society for Biochemistry & Molecular Biology (PSBMB), entitled: “*Biomolecular Sciences in Development*” on December 1-5, 2010 at The Karachi Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi, Karachi, Pakistan.

Afsheen Aman, *Shah Ali Ul Qader* and Abid Azhar. **Proteomic analysis and characterization of a novel glucansucrase from a newly isolated strain of *Leuconostoc mesenteroides* AA1.** Presented at 10th Biennial Conference of Pakistan Society for Biochemistry & Molecular Biology (PSBMB), entitled: “*Biomolecular Sciences in Development*” on December 1-5, 2010 at The Karachi Institute of Biotechnology & Genetic Engineering (KIBGE), University of Karachi, Karachi, Pakistan.

Maria Ghani, Afsheen Aman, *Shah Ali Ul Qader*, Abid Azhar. **Partial Characterization of Starch Degrading Glucoamylase from *Bacillus licheniformis* KIBGE IB-3.** Presented at 10th Biennial Conference of Pakistan Society for Biochemistry & Molecular Biology (PSBMB), entitled: “*Biomolecular Sciences in Development*” on December 1-5, 2010 at The Karachi Institute of Biotechnology & Genetic Engineering (KIBGE), University of Karachi, Karachi, Pakistan.

Nadir Naveed Siddiqui, Afsheen Aman, *Shah Ali Ul Qader*, Abid Azhar. **Production of Commercially Important Dextran from *Leuconostoc mesenteroides* KIBGE IB-7.** Presented at 10th Biennial Conference of Pakistan Society for Biochemistry & Molecular Biology (PSBMB), entitled: “*Biomolecular Sciences in Development*” on December 1-5, 2010 at The Karachi Institute of Biotechnology & Genetic Engineering (KIBGE), University of Karachi, Karachi, Pakistan.

Asma Ansari, Afsheen Aman, *Shah Ali Ul Qader*, Abid Azhar. **Screening, Isolation and Production of a Bacteriocin Produced from *Bacillus subtilis* KIBGE IB-16**. Presented at 10th Biennial Conference of Pakistan Society for Biochemistry & Molecular Biology (PSBMB), entitled: “*Biomolecular Sciences in Development*” on December 1-5, 2010 at The Karachi Institute of Biotechnology & Genetic Engineering (KIBGE), University of Karachi, Karachi, Pakistan.

Oral presentation entitled “**Immobilization of protease from *Bacillus subtilis* KIBGE-HAS using polyacrylamide gel as a support for continuous use**” at 14th International Biotechnology Symposium and Exhibition held on September 14th-18th, 2010 at Rimini, ITALY.

Azhar A., Samdani A. J., Shahid S. M., Nawab S. N., Shaikh R., **Qader S. A.**, and Ismail M. Homozygous frame shift mutation in *ECMI* gene in two siblings with Lipoid Proteinosis. Presented at 12th IUBMB, 21st FAOBMB & ComBio2010 Conferences, entitled: “*The Molecules of Life-From Discovery to Biotechnology*” on September 26-October 1, 2010, Melbourne, Australia

Attended a workshop “ **Advances in Physiological Ecology of Salt Tolerance**” Jointly organized by UNESCO Chair in Sustainable Halophyte Utilization and Institute of Sustainable Halophyte Utilization, University of Karachi), University of Karachi from 27th -29th April 2010.

Attended a workshop “ **Green spin in Biotechnology**” organized by The Karachi Institute of Biotechnology & Genetic Engineering (KIBGE), University of Karachi from 9th-13th January, 2010

Continuous production of dextran from Immobilized cells of *Leuconostoc mesenteroides* KIBGE HA1 using acrylamide as a support

Lecture delivered in Seminar at The Karachi Institute of Biotechnology & Genetic Engineering (KIBGE), University of Karachi on 21st December 2009,

Attended a workshop “**Anti-Platelet Properties of Naturally Occurring Chemicals in Pakistani Herbs/Plants**” organized by The Karachi Institute of Biotechnology & Genetic Engineering (KIBGE), University of Karachi from 16th-25th November, 2009.

Worked as an organizer in HEC-COMSTECH-KIBGE Thematic Workshop in Frontier Technologies on “**Enhanced Production of Recombinant Biomolecules of Commercial Importance**” held at The Karachi Institute of Biotechnology & Genetic Engineering (KIBGE), University of Karachi from 06th-10th July, 2009.

Attended a “**Consultative meeting on commercialization of health biotechnology**” organized by National Commission on Biotechnology in collaboration with The Karachi Institute of Biotechnology & Genetic Engineering (KIBGE), University of Karachi, held at Hotel Sheraton, Karachi, on 15th June, 2009.

Attended Workshop on “**Recent Trends in Plant Sciences: Impact on Biodiversity**” held at Institute of Sustainable Halophyte Utilization, University of Karachi, Karachi, on 16th April, 2008.

Attended Seminar on “**Forensic DNA Testing: Concepts and Use by Law-Enforcing Agencies and Jurists**” held at The Karachi Institute of Biotechnology and Genetic Engineering, University of Karachi, Karachi on 15-17th August, 2008.

Indigenous Diagnostic Reagent Manufacturing Technology

Presented in World Health Update on 26th January 2007

Studies on the production of dextran by free and immobilized cells of *L. mesenteroides*.

Presented in the 1st International Conference of Pharmaceutical Sciences on 19th January 1992.

Studies on the use of Immobilized enzymes for the commercial Production of Dextran

Presented in the conference of Pakistan Biological Sciences Society organized in Collaboration with NSRDB, UGC and PMRC on 4th Nov. 1993

Production of dextransucrase and dextran by different locally isolated strains of *Leuconostoc mesenteroides* in different culture media

Presented in Divisional Seminar of PCSIR Laboratories Complex, Karachi 1994

Effect of Trace Elements on the production of Dextran and activity of Dextransucrase

Presented in the Divisional Seminar of PCSIR Laboratories Complex, Karachi 1994

Synthesis of dextransucrase and Dextran by immobilized cells of *Leuconostoc mesenteroides*.

Presented in the 2nd National Biochemistry Symposium on 28th July 1994

Conversion of sucrose to Dextran by growing cells of freshly isolated strains of *L. mesenteroides*

Presented in the ISBBP Symposium on 8th November 1994.

Production and Characterization of Dextran from sucrose by isolated strains of *L. mesenteroides*

Presented in the 3rd National Meeting of Pakistan Society of Biochemists on 4th April 1995.

PATHOLOGICAL LABORATORY TECHNICIAN

Worked as a Laboratory Technician in Dr. Medhi A. Manji Pathological Laboratory for 5 years in Hematology and Biochemistry section.

QUALITY CONTROL CONSULTANT

Worked as a quality control consultant in Dr. *Medhi. A. Manji Pathological Laboratory*.

This

job includes checking of Diagnostic reagents purchased from different companies, results monitoring, performing special test like HCV, HIV 1&2 and HBsAg test and interpretation and discussion of different test results with Doctors and other Physicians.

MAJOR FIELD OF STUDY

- Isolation, purification and specificity determination of proteolytic enzymes.
- Immobilization of enzyme/cell technology for commercial processes.
- Development of Biotechnological Products using indigenous resources.
- Commercial preparation of industrial enzymes such as amylases, proteases, pectinases and cellulases through fermentation technology.