**CURICULUM VITAE**

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# SAFIA AHMED, PHD

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E-MAIL : [safiamrl@yahoo.com](mailto:safiamrl@yahoo.com)

**EDUCATION**

M.Sc. Biology, Quaid-i-Azam University, Islamabad, Pakistan (1986).

Ph.D. Biotechnology, University of London, UK. (1992)

DIC Biotechnology, Imperial College of Science and Technology, London, UK (1992)

Post-Doc i. Dept. Chemical Engineering, University of Santiago de Compostela, Spain. Jan 2001-June, 2001

ii. Dept. Civil and Environmental Engineering, George Washington University, Washington DC. USA. Feb -Aug 2007.

Field of study Applied and Environmental Microbiology/Biotechnology

**PROFESSIONAL ACTIVITIES**

Professor Quaid-i-Azam University, Islamabad, Pakistan, 26-02-2011 to date

Associate Professor Quaid-i-Azam University, Islamabad, Pakistan, 16-10-2007 to 25-02-2011.

Post Doc Fellow George Washington University, USA Feb-07-to Aug-07

Assistant Professor Quaid-i-Azam University, Islamabad, Pakistan Oct, 000 to16-10-2007

Post doctoral fellow University of Santiago-de Compostela, Spain, 2001.

Lecturer Quaid-i-Azam University, Islamabad, Pakistan 1997-2000

Scientific officer Quaid-i-Azam University, Islamabad, Pakistan 1993-1997 Visiting Teacher National University of Science and Technology Rawalpindi, Pakistan (2000-2001).

**TEACHING / RESEARCH**

Courses Taught Enzymology, Microbial Physiology, Fermentation Technology, Biotechnology Fundamentals, Application of Biotechnology, Gene Manipulations, General Microbiology, Environmental Microbiology, Environmental Biotechnology, Bioprocess technology, Research Techniques, Microbial Genetics, Microbial Metabolism, Enzyme Microbial Technology, Advances in Microbiology.

Research Supervised research projects of **14** students leading to the award of **PhD** degrees completed and **1**thesis submitted; and of **99** students leading to the award of **M.Phil** degrees.

In progress, PhD, 10 and M.Phil, 8.

Publications **74** Published papers (**53** in impact factor journals, total Impact factor 76.576),2 Accepted, 7 chapters in International books, 1 Book as co-author, 21 Gene bank submissions; 45 Presented in conferences.(data up to October, 2011).

**AWARDS /HONORS**

Research Productivity Award PCST 2006, 2007, 2008, 2009 & 2010

Post Doc Fellowship HEC (2006)

Research Fellowship AEIC Spain. (2001).

Govt. Of Pakistan, MOST Fellowship Ph.D. studies (1987-1992)

Merit Scholarship M.Phil. Studies

Merit Scholarship M.Sc. studies

**TELEPHONE NOS:**

Office 9251-2601045, 9251-90643009

Residence: 9251-2601022

Fax: 9251-90643156 E-MAIL : [safiamrl@yahoo.com](mailto:safiamrl@yahoo.com)

**GRANTS AND RESEARCH PROJECTS**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sr. #** | **Title** | **Donor Agency** | **Amount ( Rs.** | **Duration** | | | **Role as** | |
|  |  | **From** | **To** | **PI** | **Co. PI** | |
| 1 | Biotreatment of Phenolic waste | AWP Bhai pheru, Pakistan. | 300,000 | Jan, 2000 | Dec, 2000 |  | | Co. PI |
| 2 | Degradability studies on p-Aminophenol. | Quaid-i-Azam University, Islamabad | 110, 000 | Jan, 2000 | Dec, 2000 | PI | |  |
| 3 | Microbial degradation of chlorophenol | Quaid-i-Azam University, Islamabad | 90, 000 | Jan, 2001 | Dec, 2001 | PI | |  |
| 4 | Studies on the degradation of chlorinated phenolic compounds by *Pseudomonas* species | Pakistan Science Foundation. | 312,000 | 2000 | 2002 | PI | |  |
| 5 | Aerobic transformation of aniline by Microbe | Quaid-i-Azam University, Islamabad | 63,000 | Jan, 2002 | Dec, 2002 | PI | |  |
| 6 | Capacity building for the establishment of National culture collection centre for microorganisms | National Commission for Biotechnology | 636, 000 | 2003 | 2004 | PI | |  |
| 7 | Biodegradation of plastic by the use of microbial enzymes. | PTCL Pakistan | 9.7 M | 2004 | 2007 | PI | |  |
| 8 | Degradation of pesticide by bacteria from agricultural soil. | HEC | 2.4 M | 2005 | 2010 | PI | |  |
| 9 | Use of Fungal Enzymes for textile dyes removal. | Quaid-i-Azam University, Islamabad | 0.07950 M | 2008 | 2009 | PI | |  |
| 10 | Evaluation of pollution load and intrinsic remediation ability of sewage tainted freshwater stream toward installing onsite Bioremediation facility. | Quaid-i-Azam University, Islamabad | 0.055 M | 2009 | 2010 | PI | |  |
| 11 | Production and characterization of biosurfactant produced by indigenous microorganisms | HEC | 7.505 M | 2010 | 2013 | PI | |  |
| 12 | Small scale treatment facilities for Pakistan | Pak-USAID | 17.63 M | 2010 | 2013 | PI | |  |
| 13 | Cloning and characterization of plastic degrading microbial isolates | PSF | 2.14M | 2011 | 2013 |  | | C0-PI |
| 14 | Microbiological safety assessment of milk and dahi | HEC | 0.5 M | 2011 | 2012 |  | | Co-pI |

**INTERNATIONAL COLLABORATION/ LINKAGES/ CONTACTS**

1. Prof. Masood Pir Bazaari Biotreatment of phenolic Environmental Engineering, waste

University of Southern California, USA.

1. Prof. Juan. M. Lema, Textile Waste water treatment

Dept. Chemical Engineering,

Univ. Santiago de Compostella, Spain.

1. Prof. Dr. Rumana Riffat Waste water Treatment.

Dep’t. Civil and Environmental Engineering,

George Washington University, Washington DC, USA,

1. Dr. Ghulam Jilani Chaudhary, Microbial Genetics

Universiy of Texas at Ontario,USA.

**NATIONAL COLLABORATION / LINKAGES / CONTACTS:**

* National Agriculture Research Council, Islamabad.
* National Institute of Health, Islamabad.
* National Institute of Biotechnology and Genetic Engineering, Faisalabad.
* Poultry Research Institute, Rawalpindi.
* Bahauddin Zakariya University, Multan.
* Shah Abdul Latif University, Khair Pur, Sindh.
* Gomal University, D.I. Khan.
* Peshawar University, Peshawar.
* Arid Agriculture University, Rawalpindi.

# Hazara University, Mansehra.

* Kohat University of Science and technology, Kohat.
* University of Karachi, Karachi
* University of the Punjab, Lahore.

**COURSES/WORKSHOPS ATTENDED:**

* Training course, Rural village management of wild resources at Quaid-i-Azam University organized by IUCN and QAU Dec 3-16 1996.
* Two days course and workshop on Waste Water Treatment, Technical and legal issues Organized by NUST and Seildel Foundation, Germany. May 10-11, 1999.
* Sort course on Environmental Issues Related to the Petroleum Industry, Organized by NUST Rawalpindi, Oct. 23-25, 2000.
* Two week workshop for middle management Women on Information handling for Promotion of E. business., 23 July- 04 August, 2001, PASTIC, Islamabad.
* Seminar on Helicobacter pylori: Pathology, Epidemiology and Diagnosis, 26-27 April, 2004 Islamabad, Pakistan.
* Regional consultative expert workshop on Understanding the Gender Dimensions of biotechnology Research and Application, 30th Nov-1st Dec. 2004, Islamabad, Pakistan. Organized by NCB and UNCSTD.
* One Day workshop on “Gender Issues in Environmental Concerns”. May 12th 2005. Organized by Fatima Jinnah Women University, Rawalpindi, Pakistan.
* International workshop on protein characterization held on 4-8 March, 2006 at Institute of Biochemistry and Biophysics, University of Tehran, Iran

**WORKSHOP ORGANIZED:**

1. 3 Day workshop on, Identification, Maintenance and Preservation of

Microorganisms. May 10-12, 2004, Quaid-i-Azam University Islamabad, Pakistan.

1. Workshop on Biochemical engineering and Fermentor Application, August 15, 2006, Quaid-i-Azam University. Islamabad.

**MEMBERSHIPS**:

* Pakistan Society for Microbiology.
* Pakistan Botanical Society.
* Zoological Society of Pakistan.

### REPORTS OF RESEARCH PROJECTS

1 Annual report on URF project, “Degradability studies on p-Aminophenol”.  
 2000.

2. Annual report on URF project, “Microbial degradation of chlorophenol”.  
 1997.

3. Annual report on PSF project, “Studies on the degradation of chlorinated phenolic compounds by *Pseudomonas* species.

4. Annual reports on PTCL project, “Degradation of Plastics by the use of microbial enzymes. Sep,2005.

**CONFERENCES, SYMPOSIA AND MEETINGS ATTENDED:**

1. Fourteenth Pakistan Congress of Zoology, University of Karachi,  
   Karachi, Pakistan. April 1 - 3, 1994.
2. Fifth National Conference of Plant Scientists. National Agriculture  
   Research Center, Islamabad, Pakistan. March 28 - 30, 1995.
3. Fifteenth Congress of Zoology, National Agriculture Research Center,  
   Islamabad, Pakistan. March 31 - April 2, 1995.
4. Sixteenth Congress of Zoology, Quaid-i-Azam University, Islamabad,  
   Pakistan. April 13 - 15, 1996.
5. First Congress of Pakistan Genetical Society, National Agricultural  
   Research Center, Islamabad, Pakistan. November, 1996.
6. Second International Biennial Conference of Pakistan Society for  
   Microbiology. Microbes, health and the environment. Bhurban,  
   Pakistan. September 24 - 26, 1997.
7. Third International symposium on Genetic Engineering and   
   Biotechnology: Industrial and Environmental Biotechnology. Center of Molecular Genetics, University of Karachi, Karachi. Pakistan.   
   February 24-28, 1998.
8. 18th Congress of Zoology, April, 1998, Punjab University, Lahore.
9. 19th Congress of Zoology, April 1999, National Agriculture Research Council, Islamabad.
10. 20th Congress of Zoology, March 28-30, 2000, University of Sindh, Jamshoro.
11. Seminar on Strategies to address the Present and Future Water Quality issues. 6-7 March 2002.
12. Fourth International Biennial Conference of Pak. Society for Microbiology, Peshawar Pakistan. 24-28 June 2002.
13. 3rd International Science Conference 26-28 Sep. 2002.
14. 7th International Conference of Trend in biochemistry and Molecular Biology, Punjab University Lahore. April 2-5, 2003.
15. 2nd International Symposium on Biotechnology, Jamshoro Pakistan.  
    Jan 19-21, 2004.
16. First National Conference on Industrial and Environmental Biotechnology, 29-30 Sep, 2004, Islamabad.
17. 2nd National Conference on Biotechnology and Emerging Sciences, Quetta Pakistan,15-17th March, 2005.
18. First national symposium on microbiology “Man & Microbes, Foes or Friend”, Organized by Dept of Microbiology, University of Sindh, Jamshoro. April 19-20, 2005.
19. 18th FAOBMB Symposium on Genomics and Proteomics in Health and Agriculture, Nov. 20-23, 2005 Lahore, Pakistan.
20. 4th International Symposium on Genetic Engineering and Biotechnology, 4-8 December, 2005, Karachi Pakistan
21. Agro Environ 2006, Fifth International Symposium on the Agricultural Environment, 4-7 September, 2006, Ghent University, Ghent, Belgium
22. The Ninth International In situ and Onsite Bioremediation symposium, May 7-10, 2007. Baltimore, Maryland USA.
23. 29th General Assembly of the International Union of Biological Sciences and Scientific Symposium May 9-13 2007 Washington, DC USA.
24. International conference of biochemistry and Molecular Biology. Pir Meher Ali Shah Arid University Rawalpindi, Dec 15-20 2008.
25. Two day workshop on “clinical Research in Life Sciences and its industrial implications**”** on 7-8 November, 2007, organized by National Core group in Life Sciences (NCGLS) in collaboration with Bahria University HEC, Islamabad.
26. FIRST NATIONAL CONFERENCE OF MICROBIOLOGY. FNCM-SALU 21-22, November 2009. Department of Microbiology. Shah Abdul Latif University Khairpur. Pakistan.
27. International workshop on Biosafety, biosecurity and bioehics, 17-19 October 2011, Organized by COMSTECH, Islamabad, Pakistan.

**EXAMINER/ REFEREE/ PAPER SETTER:**

* 1. Examiner and paper setter for B.Sc “Microbiology”, Hazara University, Dodhial, Pakistan
  2. Examiner and paper setter for M.Sc./ M.Phil. “Microbiology”, Baha-ud-Din Zakaria University, Multan. Pakistan.
  3. Examiner and paper setter for M.Sc./ M.Phil. “Microbiology”, Gomal University, D I Khan, Pakistan.
  4. Examiner and paper setter for M.Sc./ M.Phil. “Biotechnology”, Government College University, Lahore, Pakistan.
  5. Examiner for M.Sc. Thesis “Environmental Sciences” Fatima Jinnah Women University, Rawalpindi, Pakistan.

1. Referee for the evaluation of projects funded by Pakistan  
   Science Foundation, Islamabad. Pakistan.
2. Referee for the evaluation of projects funded by Higher Education Commission, Islamabad. Pakistan.
3. Referee for the evaluation of publications for the Pakistan  
   Journal of Industrial Microbiology.

**LIST OF PUBLICATIONS**

**Impact factor Journals (Internationally Abstracted)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. #** | **Publication** | **IF 2011** | **IF Last Five Years** |
|  | Rehman H, A. Hameed and **S. Ahmed** (2012) Selection and characterization of a lysine yielding mutant of Corynebacterium glutamicum-A soil isolate from Pakistan. Pak Vet J, 32(1): 20-24 (In Press) | 0.707 | 0.707 |
|  | Rehman, H, P.B Ghumro, S.H Khan, Z, Hssain, **S. Ahmed** and A. Hameed (2011). Subsitution of crystalline L-lysine with L-lysine enriched fermentation broth in feed and effect on the performance of broiler chicks J. of Applied Animal Research P. 1-6 (In Press) | 0.218 | 0.218 |
|  | * Jamal, S. M., Ferrari, G., **Ahmed, S**., Normann, P., Belsham  G. J. (2011). Molecular characterization of serotype Asia-1 foot-and-mouth disease viruses in Pakistan and Afghanistan; emergence of a new genetic Group and evidence for a novel recombinant virus. Accepted for publication in Infection, Genetics and Evolution.  In Press, Corrected Proof, Available online 1 October 2011 | 3.086 | 3.055 |
|  | Jamal, S. M., Ferrari, G., Ahmed, S., Normann, P., Curry, S., Belsham  G. J. (2011). Evolutionary analysis of serotype A foot-and-mouth disease viruses circulating in Pakistan and Afghanistan during 2002-2009. J. Gen. Virol.   J Gen Virol;92:2849 - 2864 | 3.568 | 3.568 |
|  | F. Malik, , S. Hussain, Mirza T., Hameed, A. Ahmed, S., Raiz, H., Shah, P. A., Usmanghani, K. (2011). Screening for antimicrobial activity of thirty-three medicinal plants used in the traditional system of medicine in Pakistan. Journal of Medicinal Plants Research 5(14): 3052-3060 | 0.590 | 0.590 |
|  | Jamal, S. M., Ferrari, G., Ahmed, S., Normann, P., Belsham, G. J (2011).Genetic diversity of foot-and-mouth disease virus serotype O in Pakistan and Afghanistan,1997–2009. Infection, Genetics and Evolution 11: 1229–1238 | 3.086 | 3.055 |
|  | Ali, M., Naqvi, T. A., Kanhar, N. A., Kanwal, M., Rasheed, F., Hameed, A., Ahmed, S. (2011). Biodegradation of Methyl Parathion by Newly Isolated *Bacillus pumilus* T1.  Minerva Biotecnologica 23(2-3):39-43 | 0.295 | 0.279 |
|  | Riaz, H., Malik, F., Raza, A., Hameed, A., Ahmed, S. Shah P. A. and Hussain S. (2011).  Assessment of antibiotic prescribing behavior of consultants of different localities of Pakistan. Afr. J. Pharm. Pharmacol. 5(5): 596-601. | 0.500 | 0.507 |
|  | Riaz, H., Malik, F., Raza, A., Hameed, A., Ahmed, S. Shah P. A. and Hussain S. (2011)Prevalence of self-medication and health-seeking behavior in a developing country. Afr. J. Pharm. Pharmacol.  5(7): 972 - 978 | 0.500 | 0.507 |
|  | Andleeb, S., N. Atiq, M. I. Ali, F. Ur-Rehman, A. Hameed, S. Ahmed. (2010). Biodegradation of anthraquinone dye by Aspergillus niger SA1 in self designed fluidized bed bioreactor. Iran. J. Environ. Health. Sci. Eng. 7 (5) : 371-376 | 1.072 | 1.072 |
|  | Ali, M., Naqvi, T. A., Kanwal, M., Rasheed, F., Hameed, A., **Ahmed, S**. (2011). Detection of organophosphate degrading gene (opdA) in the newly isolated bacterial strain *Bacillus pumilus* W1 accepted for publication in Annals of Microbiology. DOI 10.1007/s13213-011-0251-4. | 0.350 | 0.454 |
|  | Naqvi, T. A., Kanhar, N. A. Hussain, M. and Ahmed, S., (2010). Role of bacterial isolates and biostimulant in degradation of aldicarb. Accepted for publication in Pakistan Journal of Botany. | 0.947 | 0.842 |
|  | Javed, I., Ahmed, B., Ali, I., Hameed, A., Chaudry, G. J., and **Ahmed, S.** (2011). Optimization and partial purification of bacteriocins from Enterococcus spp. indigenous to Pakistan" Food Biotechnology 25: 130-139 | 0.600 | 0.928 |
|  | Andleeb, S. Atiq N., Parmar, A-K., RobsonG. D., **Ahmed S**.(2011) An HPLC Method development for the assessment of degradation products of Anthraquinone dye HPLC Method development for the high-performance liquid chromatographic analysis of degradation products of Anthraquinone dye. Environmental Monitoring And Assessment.  [176, (1-4](http://www.springerlink.com/content/0167-6369/176/1-4/)):597-604 | 1.436 | 1.539 |
|  | Naqvi, T. A., Kanhar, N. A. Shar, Hussain, M. and Ahmed, S., (2011). Microcosom studies for the biodegradation of carbaryl in soil. Pakistan Journal of Botany.  43(2) 1079-1084 | 0.947 | 0.842 |
|  | Erum, S. and **Ahmed, S**., (2011). Comparison of dye decolorization efficiencies of indigenous fungal isolates. African Journal of Biotechnology 10(17): 3399-3411, | 0.573 | 0.794 |
|  | Ali, N., Siddiqui, M. F., Hameed, A., Ahmed, S. (2010) Role of brown-rot fungi in the bioremoval of azo dyes under different conditions. Brazilian Journal of Microbiology, 41: 907-915 | 0.632 | 0.843 |
|  | Mehmood, K., Shoukat, S., Hameed, Z., Hussain, M., Ahmed, S. Aamer Ali Shah, A. A., Hameed, A. and Hasan, F. (2011) Evaluation of Various Strategies for Isolation and Culturing of *Helicobacter pylori*. Pakistan J. Zool., vol. 43(3), 427-435. | 0.145 | 0.155 |
|  | S. M. Jamal, Ahmed, S. Hussain, M. Ali, Q. (2010). Status of Foot-and-mouth disease in Pakistan. Archives of Virology 155:1487–1491 | 2.209 | 2.159 |
|  | N. Atiq, Ahmed, S., Ali, M. I., Andleeb, S., Ahmad, B. and Robson, G. (2010). Isolation and identification of polystyrene biodegrading Bacteria from soil. African Journal of Microbiology Research. 4(14), pp. 1537-1541, | 0.528 | 0.533 |
|  | [Ahmed S](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=Z15439gi7Cp7FgjCIOi&name=Ahmed%20S&ut=000275382400010&pos=1) , [Ahmed S](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=Z15439gi7Cp7FgjCIOi&name=Ahmed%20S&ut=000275382400010&pos=2) , [Nisar MF](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=Z15439gi7Cp7FgjCIOi&name=Nisar%20MF&ut=000275382400010&pos=3), [Hussain K](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=Z15439gi7Cp7FgjCIOi&name=Hussain%20K&ut=000275382400010&pos=4), [Majeed A](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=Z15439gi7Cp7FgjCIOi&name=Majeed%20A&ut=000275382400010&pos=5), [Ghumroo PB](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=Z15439gi7Cp7FgjCIOi&name=Ghumroo%20PB&ut=000275382400010&pos=6), [Afghan S](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=Z15439gi7Cp7FgjCIOi&name=Afghan%20S&ut=000275382400010&pos=7)., [Shahzad A](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=Z15439gi7Cp7FgjCIOi&name=Shahzad%20A&ut=000275382400010&pos=8), [Nawaz K](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=Z15439gi7Cp7FgjCIOi&name=Nawaz%20K&ut=000275382400010&pos=9), [Ali K](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=Z15439gi7Cp7FgjCIOi&name=Ali%20K&ut=000275382400010&pos=10). (2010). Isolation and characterization of a bacterial strain for aniline degradation. African journal of Biotechnology  8: 1173-1179 | 0.573 | 0.794 |
|  | Javed, I., Ahmed, B., Ali, I., Hameed, A., Chaudry, G. J., and **Ahmed, S.** (2010). Bacteriocinogenic potential of newly isolated strains of *Enterococcus faecium* and *Enterococcus faecalis* from dairy products of Pakistan. Journal of Microbiology and Biotechnology, 20(1): 153-160 | 1.075 | 0.134 |
|  | Javed I., **Ahmed, S.,** Riaz, M., Ahmad, B., Ali, M. I., Hameed, A. and Chaudry, G. J. (2010). Production, characterization, and antimicrobial activity of a bacteriocin from newly isolated *Enterococcus faecium* IJ-31. Journal of Food Protection. 73: 43-55 | 1.72 | 2.001 |
|  | Naqvi, T., Cheesman, M. J., Williams, M. R., Campbell, P. M., **Ahmed, S.,** Russell, R. J., Scott, C. and Oakeshott, J. G. (2009). Heterologous expression of the methyl carbamate-degrading hydrolase MCD. Journal of Biotechnology. 144: 89-95. | 3.225 | 0.498 |
|  | Fatima, N., Zia, M., Rehman, R. Rizvi, Z. F., Ahmed, S., Mirza, B., and Chaudhary M. F. (2009). Biological activities of Rumex dentatus L: Evaluation of methanol and hexane extracts. African Journal of Biotechnology 8 (24): 6945-6951 | 0.573 | 0.794 |
|  | Siddiqui M. F., Andleeb, S., Ali, N., **Ahmed, S**. (2009), Up-flow Immobilized fungal Column Reactor for the Treatment of Reactive Anthraquinone dye Drimarene blue K2RL. African Journal of Biotechnology. 8: 5570-5577. | 0.573 | 0.794 |
|  | [Khan, S. A](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=U1pB1eF1CN4LHbBOC75&name=Khan%20SA&ut=000270306300023&pos=1&cacheurlFromRightClick=no)., [Hamayun, M](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=U1pB1eF1CN4LHbBOC75&name=Hamayun%20M&ut=000270306300023&pos=2)., [Khan, A. L](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=U1pB1eF1CN4LHbBOC75&name=Khan%20AL&ut=000270306300023&pos=3)., [Ahmad, B](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=U1pB1eF1CN4LHbBOC75&name=Ahmad%20B&ut=000270306300023&pos=4)., [**Ahmed, S**](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=U1pB1eF1CN4LHbBOC75&name=Ahmed%20S&ut=000270306300023&pos=5)**.,** [Lee I. J](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=U1pB1eF1CN4LHbBOC75&name=Lee%20IJ&ut=000270306300023&pos=6). (2009). Influence of pH, temperature and glucose on biodegradation of 4-aminophenol by a novel bacterial strain, *Pseudomonas sp*. ST-4. African Journal of Biotechnology. 8: 3827-3831. | 0.573 | 0.794 |
|  | Ali, N., Hameed A., Sidiqqui, M. F., Ghumro, P. B., **Ahmed, S.** (2009). Application of *Aspergillus niger* SA1 for the enhanced bioremoval of azo dyes in simulated textile Effluent. African Journal of Biotechnology, 8(16): 3839-3845. | 0.573 | 0.794 |
|  | Ali, N., Hameed A. and **Ahmed, S.** (2009). [Physicochemical characterization and Bioremediation perspective of textile effluent, dyes and metals by indigenous Bacteria](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TGF-4T6M86W-D&_user=3415186&_coverDate=08%2F13%2F2008&_alid=846875802&_rdoc=2&_fmt=high&_orig=search&_cdi=5253&_sort=d&_docanchor=&view=c&_ct=2&_acct=C000060481&_version=1&_urlVersion=0&_userid=3415186&md5=42ac4446d834a6811dcbecbebf8a29b2). Journal of Hazardous Materials, 164: 322-328. | 3.723 | 3.999 |
|  | Muhammad S. A., Ahmed, S., Hameed, A. (2009) Antibiotic production by thermophilic Bacillus species SAT-4. Pak. J. Pharm Sci. 22: 339-345. | 0.728 | 0.728 |
|  | Shah, A. A., Hasan, F., Akhtar, J. I. Hameed, A. and **Ahmed, S.** (2008).Degradation of polyurethane by novel bacterial consortium isolated from soil. Annals of Microbiology. 58(3) 381-386. | 0.35 | 0.454 |
|  | Shah, A. A., Hasan, F., Hameed, A. and **Ahmed, S**. (2008).  A Novel Poly(3-hydroxybutyrate-degrading *Streptoverticillium kashmirense* AF1 isolated from soil and purification of PHB-depolymerase. Acta Biologica Hungarica 59 (4): 489-499. | 0.793 | 0.711 |
|  | Shah, A. A., Hasan, F., Hameed, A. and **Ahmed, S**. (2008). Biological Degradation of plastics: A comprehensive review. Biotechnology Advances, 26: 246-265. | 7.6 | 9.038 |
|  | Ali, N., Ikramullah, M., Lutfullah, G. Hameed, A and **Ahmed, S.** (2008). Decolorization of Acid red 151 by *Aspergillus niger* SA1 under different physicochemical conditions. World J. Microbiol. Biotechnol. 24: 1099-1105. | 1.214 | 1.312 |
|  | Ali, N. Hameed, A., **Ahmed, S** and Khan, A. G. (2008) Decolorization of structurally different textile dyes by *Aspergillus niger* SA1. World J. Microbiol. Biotechnol. 24: 1067-1072. | 1.214 | 1.312 |
|  | Yasin M., Shah, A. A., Hameed, A., Ahmed, S., Hasan, F. (2008) Use of Microorganisms for the Treatment of Trinitrotoluene (TNT) Containing Effluents. Journal of the Chemical Society of Pakistan. 30 (3): 442-447. | 0.194 | 0.221 |
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**Gene Bank Submissions**

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  32. Asif Iqbal, Muhammad Aqeel Saleem, A. Hameed and **S. Ahmed,** Production and estimation of taxol by isolated endophytic fungal strains from *Taxus wallichiana*. 4th International symposium on Genetic Engineering and Biotechnology, December 4-8, 2005, Karachi, Pakistan4th International symposium on Genetic Engineering and Biotechnology, December 4-8, 2005, Karachi, Pakistan.
  33. Aamer Ali Shah, Fariha Hasan, Abdul Hameed and **S. Ahmed.** A study on the isolation of fungi with the ability to adhere to polyethylene films. 4th International symposium on Genetic Engineering and Biotechnology, December 4-8, 2005, Karachi, Pakistan4th International symposium on Genetic Engineering and Biotechnology, December 4-8, 2005, Karachi, Pakistan.
  34. **Safia Ahmed,** Nisar Ahmed Kanhar and Abdul Hameed, Bioremediation of Organophosphates Pesticides (Malathion and Methyl Parathion) in Soil Under Laboratory Conditions. Agro Environ 2006, Fifth International Symposium on the Agricultural Environment, 4-7 September, 2006, Ghent University, Ghent, Belgium.
  35. Ahmed, S. Asad, J., Naqvi, T. A., Hameed, A., and Kanhar, N. A. Melathion bioremediation in microplots: A field Trial Study. Presented in The Ninth International In situ and Onsite Bioremediation symposium, May 7-10, 2007. Baltimore, Maryland USA.
  36. S. M. Jamal, Ahmed, S. Hussain, M. Ali, Q. 2008. Status of Foot and mouth disease in Pakistan. Presented in international symposium on The Global Control of FMD . tools, Ideas and ideals, Erice, Italy, 14-17 October, 2008.
  37. Javed, M. I. Ali, B. Ahmed, A. Hameed and **S. Ahmed** (2009) Production and characterization of broad spectrum antimicrobial enterocin P from newly isolated Enterococcus faecium IJ-31. Oral presentation in 1st International conference on biotechnology, King Saud University, Riyadh Saudi Arabia (16-18 Sep 2009).
  38. M. I. Ali, Robson, D., I. Javed, B. Ahmed and **S. Ahmed** (2009) Isolation and characterization of fungal strains capable of degrading poly vinyl chloride (PVC) plastics. Oral presentation in 1st International conference on biotechnology, King Saud University, Riyadh Saudi Arabia (16-18 Sep 2009).
  39. Andleeb, **S,** M. I. Ali, N. Atiq, F. Ur-Rehman, G. D. Robson, A. Hameed, S. Ahmad, “Biodegradation of anthraquinone dye by *Aspergillus niger* SA1 in self designed fluidized bed bioreactor” presented at First international conference on Advances in Waste Water Treatment and Reuse. University of Tehran, College of Engineering, Tehran, IRAN, from 09-11 November, 2009.
  40. Naima Atiq Mariam Asif Saadia Andleeb, Mohammed Ishtiaq Ali, Mohammed Sajjad Shaukat Safia Ahmed Evaluation of Biodegradability of Expanded Polystyrene by Rhizopus oryzae NA1, Presented in 9th International Seminar on polymer Science and Technology, organized by Iran polymer and petrochemical Institute Tehran, Iran. 17-21 October 2009.
  41. Naima Atiq, Mariam Asif, Saadia Andleeb, Mohammed Ishtiaq Ali, Mohammed Sajjad Shaukat, Safia Ahmed. Biodegradation Studies of Expanded Polystyrene Blends. Presented in 9th International Seminar on polymer Science and Technology, organized by Iran polymer and petrochemical Institute Tehran, Iran. 17-21 October 2009.
  42. Ahmed S. Bioremediation for the textile dyes. Plenary Lecture in FIRST NATIONAL CONFERENCE OF MICROBIOLOGY. FNCM-SALU 21-22, November 2009. Department of Microbiology. Shah Abdul Latif University Khairpur. Pakistan.
  43. Saadia Andleeb; Naima Atiq;Mohammad Ishtiaq Ali;Geoff D Robson;Safia Ahmed**.** An investigation of anthraquinone dye biodegradation by *Aspergillus flavus* SA2 in self designed fluidized bed bioreactor. Accepted for oral Presentation in BioMicroworlds 2009, IInd International Conference on Environmental, Industrial and applied Microbiology, 2-4 December Lisbon, Portugal.
  44. Muhammad Ishtiaq Ali; Imran Javed; Naima Atiq; Saadia Andleeb; Abdul Hameed; Safia Ahmed.Biodegradation of Polyvinyl chloride (PVC) by newly isolated fungal strain of *Lentinus tigrinus* PV2. Accepted for oral Presentation in BioMicroworlds 2009, IInd International Conference on Environmental, Industrial and applied Microbiology, 2-4 December Lisbon, Portugal.
  45. Naima Atiq; Naima Atiq; Safia Ahmed; Aamer Ali Shah; Mohammed Ishtiaq Ali; Saadia Andleeb; Geoffrey D. Robson*.* Colonisation and Biodegradation of Expanded polystyrene beads by indigenous isolated fungal strains. Virtual Presentation in BioMicroworls 2009, IInd International Conference on Environmental, Industrial and applied Microbiology, 2-4 December Lisbon, Portugal.
  46. Encapsulation of *Enterococcus faecium* IJ-21 in Calcium Alginate Beads for Bacteriocin Production. 2nd International Congress of Food Hygiene. Tehran Iran, April 30-May 1st 2011.

M.PHIL THESIS SUPERVISED

| SR. NO | TITLE OF THESIS | YEAR | NAME OF THE STUDENT |
| --- | --- | --- | --- |
| 1 | Isolation and characterization of phenol Degrading microorganisms. | 1999 | Shazia Tanvir |
| 2 | Some studies on the degradation of aniline. | 2000 | Afzal Javed |
| 3 | Biodegradation of paracetamol by Pseudomonas. | 2000 | Adeela Ansari |
| 4 | Prevalence of *E.coli* in drinking water Samples collected from Schools/Colleges of Rawalpindi/Islamabad. | 2001 | Salma Arif |
| 5 | Production of *Brucella abortus* strains 19 Vaccine and its immune response in buffalo calves. | 2001 | S. M. Jamal |
| 6 | Some studies on bacteriology of drinking Water In Rawalpindi/Islamabad Region. | 2001 | Sheherzad Akhtar |
| 7 | Identification and characterization of chlorophenol degrading bacteria. | 2001 | Soofia Bashir |
| 8 | Biodegradation of pentachlorophenol by newly isolated bacterial strains. | 2001 | Hina Hashmi. |
| 9 | Aniline biotransformation studies using selected bacterial strains. | 2001 | Shazia Rabeel |
| 10 | Degradation of amino substituted benzene by Pseudomonas. | 2001 | Sumera Afzal |
| 11 | Detection of Immunogens of IBD virus and development of subunit vaccine. | 2002 | Irshad Ahmed |
| 12 | Studies on innunomodulatory effects of *Baillus subtilis* and its enzymes with chemical adjuvant in chicken. | 2002 | M. Shoaib Saleem |
| 13 | Biotreatment of tannery effluent | 2002 | Kokab Batool. |
| 14 | Production of amylase from Actinomycetes. | 2002 | M Ayub Khan |
| 15 | Physiological aspects of L-lysine production by strains of *Corynebacterium glutamicum.* | 2003 | Asia Batool |
| 16 | Lysine production using microbial auxotrophs. | 2003 | Shagufta Hassan |
| 17 | Isolation and degradation of pesticide degrading microbes. | 2003 | Momin Khan |
| 18 | Oxidation mechanism of Lignolytic enzymes involved in the degradation of environmental pollutants. | 2003 | Kalsoom Azam |
| 19 | Lignolytic fungal enzymes production and their ability of textile dye decolorization. | 2003 | Faiza Siddique |
| 20 | Studies on the production of fungal peroxidase applicable to water and soil bioremediation. | 2003 | Kiran Munir |
| 21 | Biodegradation of dicholorphenol by selected strains of *Pseudomonas*. | 2003 | Sajida Iqbal |
| 22 | Tissue Dissemination pattern of influenza virus type A (H9 N2) in Lab. animal models). | 2003 | Uzma Bashir |
| 23 | Prevalence of Resistant strains of *Escherichia coli* for sulfonamides in Peshawar town. | 2003 | Hanif-ullah |
| 24 | Effectiveness of Dots in district swat | 2003 | Dr. Shah Jahan |
| 25 | Prevalence of Hepatitis B & C infection in Peshawar District. | 2004 | Amir Muhammad |
| 26 | Spatial distribution of resistant bacteria in nalas of Islamabad. | 2004 | Sadaf Rasheed |
| 27 | Biological treatment of textile dyes. | 2004 | Aneela Roohi |
| 28 | Microbiological quality of drinking water in treatment lines and distribution systems. | 2004 | Kifayat Ullah |
| 29 | Biodegradation study of phthalic acid by bacteria | 2004 | Sheeba Murad |
| 30 | Activity of pesticide degrading bacteria in soil used for bioremediation | 2004 | Gul Sonober |
| 31 | Immune response in Rabbit for rabies vaccine | 2004 | M. Hussain |
| 32 | Seromonitoring of influenza virus in wild birds | 2004 | Jawad Z. Khawaja |
| 33 | Enzymatic study of fungal pathogenic to termites. | 2004 | Saima Kamal |
| 34 | Isolation and characterization of crude oil degrading bacteria. | 2004 | Asif Jamal |
| 35 | Biodegradation of trinitrotoluene (TNT) by selected bacteria. | 2005 | Ifra Ghori |
| 36 | Studies on seroconversion of HBV in infants after vaccination in rural and urban areas of Rawalpindi. | 2005 | Irum Perveen |
| 37 | Application of press mud as carbon source for enzyme production by fungus. | 2005 | M. Ismail Ahmed |
| 38 | Use of fungal strains for the removal textile dyes from effluent. | 2005 | Safia Khatoon |
| 39 | Role of *Streptococcus mutans* in human dental dental decay. | 2005 | Javairia Umar |
| 40 | Effect of carries preventive measures on oral micro flora. | 2005 | Ambreen Munir |
| 41 | Evaluation of anti-tuberculosis antibodies in apparently healthy household contacts and normal healthy persons by Enzyme Linked Immunosorbant Assay (ELISA). | 2005 | Taj Wali |
| 42 | Seroprevalence of Brucellosis in various Districts of NWFP. | 2005 | Abdul Wali Khan |
| 43 | Biodegradation and Biotransformation of Environmental Pollutants like polyaromatic Hydrocarbons. | 2005 | Salma Hayder |
| 44 | Microbial Transformation of Herbicide 2,4-Dichlorophenoxyacetic acid (2,4-D) | 2005 | Humera Nazir |
| 45 | Studies of the production of Texol from endophytic fungi of Texas tree. | 2005 | Asif Iqbal |
| 46 | Degradation of Phathalic acid by newly isolated Bacterial strains. | 2005 | Ayesha Naz |
| 47 | Field Studies for the bioremediation of pesticides | 2006 | Jahangeer Asad |
| 48 | Microbiological evaluation of yogurt produced commercially in Pakistan | 2006 | Wajiha Khan |
| 49 | Microbiological evaluation of yogurt produced locally in Pakistan | 2006 | Samina Mumtaz |
| 50 | Bacteriocin Production by *Bacillus* strain | 2006 | Bushra Jamil |
| 51 | Aerobic Catabolism of Phthalic Acids by newly Isolated Bacterial strains | 2006 | Sayeda Amber Hameed |
| 52 | Studies on the Formation of Bcitracin By Bacillus Licheniformis Isolated from Milk | 2006 | Naseer Ahmed |
| 53 | Comparative Studies Regarding Vaccine Type And Route of Administration Against Hydropericardium Syndrome in Chickens | 2006 | Basit Zeshan |
| 54 | Serosurvillance of Measles Vaccine Among Vaccinated Children in Islamabad and Rawalpindi | 2006 | Rafique Ahmed Channa |
| 55 | Studies on microbial production of cellulases by *Trichoderma* Sp. | 2006 | Sabeen Nargis |
| 56 | Characterization and production of cellulolytic enzymes from newly isolated fungal strains | 2006 | Razia Afridi |
| 57 | Biodegradation of anthracene by bacteria isolated from oil polluted soil | 2006 | Niaz Ahmed |
| 58 | The effect of preservatives, including natural antimicrobial factors or systems, on spoilage organisms in milk | 2006 | Salma Zafar |
| 59. | Optimization of Physical and Chemical Parameters for the production of antibiotics from actinomycetes MST-3 | 2007 | Tanzila Sarfraz |
| 60. | Studies on Isolation and characterization of Extreme halophiles from Salt range and their Catalase Activity | 2007 | Shazia Rehman |
| 61. | Microbial Degradation of Chlorpyrifos | 2007 | Masroor Hussain |
| 62. | Production and Characterization of Fungal Esterase for biodegradation of plastics | 2007 | Lubna Tahir |
| 63. | Production and Purification of antimicrobial Compounds from Actinomycetes Strain MST-9 in Polyacrylamide | 2007 | Salihah shabir |
| 64. | Production of Bacitracin by *Bacillus pumilus* | 2007 | Shamma A. Ghafoor |
| 65. | Role of Enzymes Used for Bioleaching of Kraft Pulp. | 2007 | Rabia Saleem |
| 66 | Biodegradability studies on polystyrene | 2007 | Marriam Asif |
| 67 | Bacterocin production by Lactic acid bacteria | 2007 | M. Asad |
| 68 | Immobilization of fungus and their use in textile dye decolonization. | 2007 | Nazia Amin |
| 69 | Molecular Characterization of aniline degradation by bacterial isolate | 2007 | Sarfaraz Ahmed |
| 70 | Microcosm study on the carbofuran degradation by selected bacteria | June 2008 | Tariq Ismail |
| 71 | Biodegradation carbofuran by selected bacterial strains. | June 2008 | Ayesha Armaghan |
| 72 | Process designating for biotreatment of textile dyes. | June 2008 | M. Faisal |
| 73 | Antimicrobial compounds production by thermophilic *Bacillus* Sp. | June 2008 | Aun Muhammad |
| 74 | Amylase production by halophilic *Bacillus* sp. Strain HS-5 | June 2008 | Razia Shaheen |
| 75 | Direct detection of Enteroviruses by Polymerase Chain Reaction. | June 2008 | Naila Batool |
| 76 | Antibiotic susceptibility of *Escherichia coli* strains isolated from urinary tract infections in CDA Hospital, Islamabad. | Jan 2009 | Nazia Kanwal |
| 77 | Purification of antimicrobials produced by thermophilic *Bacillus* sp. SAT-5 | Jan 2009 | M. Sohail |
| 78 | Influence of exogenous microbial enzymes supplementation on feed consumption and body weight in broiler chicken. | Jan 2009 | Ghazi Dino |
| 79 | Biodegradation studies on the starch and cellulose blended polyvinyl chloride by fungal isolate | Jan 2009 | Qaiser Parveen |
| 80 | Identification and production of bacteriocin from *Enterococcus faecium* IJ21 isolated from cheese | June 2009 | Faiza Ramzan |
| 81 | Bacteriocin production by immobilized cells of *Enterococcus faecium* IJ06 | June 2009 | Asma Bibi |
| 82 | Degradation of Plasticized Polystyrene by fungal strains | June 2009 | Shagufta Sanam |
| 83 | Production of Bioemulsifier from *Pseudomonas putida* SOL-10 and their Application as Enhancers of Antimicrobial Activities of Antibiotics | June 2009 | Muneer A. Qazi |
| 84 | Studies on pesticide degrading genes in Pseudomonas. | Jan 2010 | Muhammad Ali |
| 85 | Isolation and characterization of DDT degrading bacteria from pesticide contaminated site. | Jan 2010 | Massab Umair |
| 86 | Optimization of conditions for the biosurfactant production by *Bacillus lichniformis* strain. | Jan 2010 | Maria Abid |
| 87 | *Helicobacter pylori*, identification, occurrence and genetic studies. | Jan 2010 | Faisal Rasheed |
| 88 | Detection of genes for extended-spectrum β-lactamases in Escherichia coli and *Klebsiella pneumoniae* isolates from PIMS Islamabad | 2010 | Sadia Mumtaz |
| 89 | Production of antimicrobial compounds from endophytic fungal isolate | 2010 | Usman Mukhtar |
| 90 | Prevalence of antimicrobial resistant *Pseudomonas aeruginosa* in local fresh water spring contaminated with domestic sewage | 2010 | Amanullah |
| 91 | Spectrum of virulence factors and antimicrobial susceptibility pattern in *Vibrio cholerae* clinical isolates | 2010 | Om Perkash |
| 92 | Isolation and Characterization of polypropylene degrading fungal isolates | 2011 | Tayyaba Raiz |
| 93 | Polypropylene degradation studies by bacterial isolates from plastic contaminated soil. | 2011 | Qurrat-ul-Ain |
| 94 | Prevalence of antibiotic resistance and phenotypic detection of metallo-β-lactamases in *Pseudomonas aeroginosa* isolates from burn patients. | 2011 | Aisha Siddique |
| 95 | Production of aspragenase from endophytic fungi | 2011 | Rabia Shehbaz |
| 96 | Designing and working of plastic medium- trickling filters for biological treatment of domestic waste water | 2011 | Abdul Rehman |
| 97 | Small scale fixed biofilm reactor application for waste water treatment | 2011 | Zaiullah Khan |
| 98 | Optimization of culture conditions for the production of biosurfactants by newly isolated fungal strains | 2011 | Tayyaba |
| 99 | Prevalence of methicillin-resistant *Staphylococcus aureus* (MRSA) in healthy persons. | 2011 | Fida Hussain |

Ph.D Thesis Supervised

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| SR. NO | TITLE OF THESIS | YEAR | NAME OF THE STUDENT |
| 1 | A prospective study on local drinking water quality and its impact on health | 2004 | S. Sabahat kazmi |
| 2 | Bioremediation of pesticides | 2006 | Nisar Ahmed |
| 3 | Biotechnological approaches for the treatment of textile dyes by Indigenous Microorganism | 2007 | Naeem Ali |
| 4 | Trends in antimicrobial resistance and occurrence of methicillin- resistant *Staphylococcus aureus* (MRSA): molecular basis and clinical implications | 2007 | S. Zahid Bukhari |
| 5 | Role of microorganisms in biodegradation of plastics | 2007 | Aamer Ali Shah |
| 6 | Microbial degradation of polyvinylchloride plastics. | 2009 | Ishtiaq Ali |
| 7 | Characterization of Bacterocin produced by lactic acid bacteria isolated from dairy products. | 2009 | Imran Javed |
| 8 | Biodegradation of crude oil by bacteria | 2009 | Zulfiqar Ali Malik |
| 9 | Evaluation of resistance to flouroquinolones in clinical isolates of *E. coli, S. aureus* and *P. aeruginosa.* | 2010 | Rukhsana Firdus |
| 10 | Biodegradation of carbomates by soil bacteria and heterologous expression of methyl carbomate degrading (*mcd*) in *E.coli*. | 2010 | Tatheer Alam Naqvi |
| 11 | Biological treatments of effluent containing textile dyes. | 2010 | Saadia Andleeb |
| 12 | Use of peroxidases for dye decolorization | 2010 | Shazia Irum |
| 13 | Microbial decomposition of polystyrene | 2011 | Naima Atiq |
| 14 | Biodegradation of polycyclic aromatic hydrocarbons by soil bacteria. | 2011 | Fazal-ur-Rehman |
| 15 | Prevalence of hemorrhagic septicemia in cattle and buffaloes in Punjab Pakistan and molecular characteristics of the *Pasteurella multocida* isolates. | Thesis submitted | Rehana Anjum |

Ongoing projects leading to Ph.D

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| SR. NO | TITLE OF THESIS | Expected date of submission | NAME OF THE STUDENT |
|  | Production of texol from endophytic Fungi. | June 2012 | Nighat Yasmin |
|  | Status of Foot and mouth disease in Pakistan | Dec 2011 | S M Jamal |
|  | Production and Characterization of Antimicrobials from thermophilic Bacillus species. | June 2012 | Aun Muhammad |
|  | Biosurfactant production from Bacteria. | June 2013 | Muneer Ahmed |
|  | Trickling filter technology for the waste water treatment | June 2013 | Iffat Naz |
|  | Waste water Technologies using Wet Land. | 2014 | Shama Sehar |
|  | Texol production by microorganism | 2014 | Irum Perveen |
|  | Herbal medicine development for dental carries | 2014 | Lubna Tahir |
|  | Membrane bioreactor designing for waste water. | 2014 | Sadia Mumtaz |
|  | Course work | 2015 | Dr. Salma Ghulam Nabi |