

Curriculum Vitae

Dr. Farhat Jabeen

(Higher Education Commission Approved Supervisor)

Address: Assistant Professor, Department of Zoology,
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Citizenship: Pakistani

Research Area: Human molecular Genetics, Genetic Epidemiology,
Biomolecular techniques for fish production and
Quality, Histology, toxicology, nutrition, Genetic
Toxicology, Spectrophotometry and Environmental Pollution.



EDUCATION PROFILE

Degree	Year	Discipline	Institution
Post DoC	2010	Molecular Biology/Biotechnology	Newcastle University, UK
Post DoC	2008	Molecular Biology	Newcastle University, UK
Ph.D.	2005	Biology (Genetics)	Quaid-i-Azam University, Islamabad (PAK)
M.Phil.	1994	Biology (Genetics)	Quaid-i-Azam University, Islamabad (PAK)
M.Sc.	1992	Zoology	University of Agriculture, Faisalabad (PAK)
B.Sc.	1988	Botany, Zoology, Chemistry	The University of Punjab, Lahore (PAK)
B.Ed.	1992	Biology, Chemistry	Allama Iqbal Open University, Islamabad (PAK)
Matric	1984	Science group	BISE Sargodha
F.Sc.	1986	Pre-medical group	BISE Sargodha

THESIS TITLES

Post Doc Bio-Molecular Techniques to Monitor the Impact of Water pollution on Fish
Production and Quality

Post Doc Effects of Cadmium and Selenium in male Sprague-Dawley rats at molecular
level

Ph.D Genetic epidemiology and molecular studies of congenital blindness at family
level

M.Phil Epidemiology and Genetics of Cardiac Diseases in a Hospital Population.

M.Sc. Effect of pond fertilization with broiler droppings on the physico-chemistry,
planktonic biota and net yields of fish ponds

HONORS & DISTINCTIONS

- **Merit Scholarship** from **Islamic Development Bank Jeddah Saudi Arabia**, for High Technology, for Postdoctoral study
- **Merit Scholarship** from **Higher Education Commission Pakistan** for Postdoctoral Study
- **Chancellor's Gold Medal** for standing **First in M.Phil**, Quaid-i-Azam University, Islamabad Pakistan.
- The INFAQ Foundation Merit Scholarship award in MPhil
- The University Grants Commission Merit Scholarship in MPhil
- **Second position** in M.Sc. Zoology from University of Agriculture Faisalabad
- **Fauji Foundation Academic Distinction Award**
- **Quaid-i-Azam Scholarship** during BSc
- **Merit Scholarship** during Higher Secondary Schooling.
- **Merit Scholarship** during Secondary Schooling.

TECHNICAL EXPERTISE

- ✧ Polymerase Chain Reaction
- ✧ SDS-Polyacrylamide gel electrophoresis
- ✧ Iso-electric focusing
- ✧ 2-D SDS PAGE
- ✧ Spectrophotometry
- ✧ Ultra Centrifugation
- ✧ Comet Assay
- ✧ Karyotyping
- ✧ Histology
- ✧ Southern, Northern and Western Hybridization
- ✧ TUNEL Assay
- ✧ Gas Chromatography

ADDITIONAL QUALIFICATIONS

1. Completed the Training Course in Zoology at the University Grants Commission Regional Center in collaboration with Department of Zoology, University of the Punjab, Lahore from 15-25 June, 1998.
2. Certificate in Information Technology on Fundamentals of Electronic Office from

- Pakistan Computer Bureau, Islamabad (16-04-2001 to 12-05-2001).
3. Certificate in hardware A+ from Pakistan Computer Bureau, Islamabad (19-01-2004 to 11-02-2004).
 4. Certificate in SQL-Server-2000 from Pakistan Computer Bureau, Islamabad (12-04-2004 to 27-04-2004).
 5. Diploma in French online from Allama Iqbal Open University, Islamabad.
 6. Diploma in English language crash program from Federal Institute of Modern Languages Islamabad.
 7. Certificate in Civil Defence from Govt. Degree College for Women (16-10-2000 to 04-11-2000).
 8. Certificate of participation as speaker in The 26th Pakistan Congress of Zoology (International) April 4th – 6th, 2006 (Paper presented).
 9. Certificate of participation as speaker in 1st International conference of biotechnology and informatics BUITMS, Quetta, 10th April-12th April, 2006 (Paper presented)
 10. Certificate of participation as a Speaker in 1st International Seminar on Retinitis Pigmentosa & Allied diseases organized by Pakistan Foundation Fighting Blindness and National Commission on Biotechnology, Islamabad. 06-07th June 2006
 11. Training Course in Staff development programme. NATIONAL ACADEMY OF HIGHER EDUCATION, COMMISSION; Location: GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD.; Dates: 25-07-2006 TO 22-08-2006.
 12. HEC-British Council Work shop on “Techniques for the estimation of quality of animal foods by non-invasive bio-molecular methods” held on August 6-8, 2007 at GC University Faisalabad, Pakistan.
 13. Workshop on Assessment and Evaluation System, held on January 23-25, 2007 at GC University Faisalabad, Pakistan.
 14. pFACT Training Course held on 3rd June 2008 at Newcastle University UK.

POST-DOCTORAL RESEARCH FELLOWSHIPS

1 year (2009-2010) Funded by Islamic Development Bank Jeddah, Saudi Arabia at *School of Agriculture Food and Rural Development, Newcastle University, UK* on Effects of Cadmium and Selenium in male Sprague Dawley rats at molecular level

1 year (2007-2008) Funded by Higher Education Commission, Government of Pakistan at School of Agriculture Food and Rural Development, Newcastle University, UK on Bio-Molecular Techniques to Monitor the Impact of Water pollution on Fish Production and Quality

MEMBER PROFESSIONAL SOCIETIES

- Member Freshwater Biology Association Cumbria, UK
- Life time member of Pakistan Proteomic Society

RESEARCH PROJECTS

Co-PI for Pakistan Science Foundation funded research project entitled “Comparative study of genotoxic effects of heavy metals on Indian major carps by bioassays in the Indus River”.

Employment

Assistant Professor	GC University, Faisalabad, since 2nd December, 2006
Lecturer	GC University, Faisalabad, since January, 2006
Lecturer	Govt. Degree college for women, Mianwali, 1996-2005

CONFERENCES/ SYMPOSIA ATTENDED

1. Fourteenth Pakistan Congress of Zoology, 1994 (Paper Presented).
2. Science International All Pakistan Science Conference Bara Gali, 11-15 September 1994(Paper Presented).
3. Different seminars and Workshops at Newcastle University.
4. Post graduate conference at Newcastle University held on 21st May, 2008.
5. Animal health conference held on 05th December, 2007 at Newcastle University.
6. 1st International Human Genome Diversity Workshop, Islamabad. October 9-14, 2000.
7. The 27th Pakistan Congress of Zoology (International), BZU Multan, 27th February – 1st March, 2007.
8. The 26th Pakistan Congress of Zoology (International) Lahore, April 4th – 6th , 2006 (Paper presented).

9. 1st International conference of biotechnology and informatics BUITMS, Quetta, 10th April-12th April,2006 (Paper presented).
10. EM taster session, 6th March, 2008.
11. Animal Health Conference, Newcastle University, UK, 2December, 2009.
12. Feed back and Assessment Conference, Newcastle University, UK, 18-03-2010

International Congress/Conference Presentations

1. Farhat Jabeen and Abdul Shakoor Chaudhry, 2010. Effect of sodium selenite on male Sprague-Dawley rats exposed to sublethal dose of cadmium chloride in British Society of Animal Science Annual Conference, 2010 held in Queens University Belfast, Ireland.
2. Farhat Jabeen and Abdul Shakoor Chaudhry, 2008. Using Fish as a Biomarker to monitor pollution in the Indus River in the Mianwali District of Pakistan' in the Freshwater Biology Association (FBA) meeting held on 15-16 July, 2008 in London.
3. Farhat Jabeen and Abdul Shakoor Chaudhry, 2008. Effect of water pollution on protein fractions of gills and muscles of *Cyprinus carpio* inhabiting Indus River in Mianwali, Pakistan in international Conference of Freshwater Biology Association held on 1-4 September, 2008 in Cumbria, UK
4. Farhat Jabeen and Abdul Shakoor Chaudhry, 2008. Heavy metal bioaccumulation and histopathological alterations in gills of *Oreochromis mossambicus* from Indus River of Mianwali, Pakistan, were presented in international Conference of Freshwater Biology Association held on 1-4 September, 2008 in Cumbria, UK.
5. Salma Sultana, Samina Jalali, Farhat Jabeen, SA Shami, Shagufta Khaliq, Muhammad Ismail, Sadaf Farasat and Muhammad Nasir. 2006 Identification of DFNB12 Locus in a Large Pakistani Consanguineous Kindred in the Proceedings of 1st International conference on Biotechnology and Informatics pp.22
6. Farhat Jabeen, Samina Jalali, Salma Sultana, SA Shami, Shagufta Khaliq, Muhammad Ismail, Aiysha Abid and Muhammad Nasir. 2006. Linkage of a reported dominant locus (8q11-q13) to autosomal recessive retinitis pigmentosa sine pigmento in a pakistani consanguineous kindred in the Abstract book of 1st International conference on Biotechnology and Informatics pp.13

7. Salma Sultana, Farhat Jabeen, Samina Jalali, SA Shami, Shagufta Khaliq, Muhammad Ismail, Sadaf farasat and Muhammad Nasir.2006. Identification of DFNB37 locus in a large Pakistani consanguineous kindred afflicted with autosomal recessive non-syndromic hearing impairment. Proceedings of 26th Pakistan Congress of Zoology
8. Farhat Jabeen, Salma Sultana, Samina Jalali, SA Shami, Shagufta Khaliq, Muhammad Ismail, Aiysha Abid and Muhammad Nasir.2006. Involvement of reported dominant locus in autosomal recessive macular degeneration in large Pakistani consanguineous kindred. Proceedings of 26th Pakistan Congress of Zoology.
9. Farhat Jabeen, 2006. Retinitis Pigmentosa and allied retinal dystrophies in 1st International seminar on Retinitis Pigmentosa & Allied diseases organized by Pakistan Foundation Fighting Blindness and National Commission on Biotechnology, Islamabad,6th June-7th June,2006 (Paper Presented).
10. Two Days International Conference on Congenital malformations and inherited disorders in childhood in Pakistan and in the Pakistani communities in Norway: Knowledge, challenges and strategies in both countries held at Quaid-i-Azam University, Islamabad on 12-13 November 2007. "*Genetic Epidemiology and Molecular Studies of Congenital Blindness at Family Level.*"
11. Biomarker and Bioaccumulation responses in *Cyprinus carpio* inhabiting Indus River in Mianwali, Pakistan. 9th Biennial Conference of Pakistan Society for Biochemistry and Molecular Biology in Advances in Biochemistry and Molecular Biology at Arid Agriculture University Rawalpindi Pakistan. December 17-20, 2008.

PUBLICA TIONS:

Paper published: International

1. Abdul Shakoor Chaudhry and Farhat Jabeen, 2010. Assessing metal, protein, and DNA profiles in *Labeo rohita* from the Indus River in Pakistan. Environ Monit Assess. DOI 10.1007/s10661-010-1486-4. Published online: 12 May, 2010.
2. Farhat Jabeen and Abdul Shakoor Chaudhry, 2009b. Monitoring trace metals in different tissues of *Cyprinus carpio* from the Indus River in Pakistan. Environ Monit Assess. DOI 10.1007/s10661-009-1263-4. Published online: 23December,

- 2009.
3. Farhat Jabeen and Abdul Shakoor Chaudhry, 2009a. Environmental impacts of anthropogenic activities on the mineral uptake in *Oreochromis mossambicus* from Indus River in Pakistan. Environ Monit Assess DOI 10.1007/s10661-009-1029-z. Published online: 16 June, 2009.
 4. Shami, Sajjad A., Jalali, Samina and Jabeen, F., 1998. Inbreeding and Cardiovascular Disease in Pakistan. *Turkiye Tip Dergisi* 5(5): 293-295.

Abstract published:

International

1. Shami, S.A.; Jabeen, F.; Sultana, S.; Schmitt, L. H. and Bittles, A.H., 1996. Inbreeding, Life style and common diseases of Adulthood in Pakistan. *Ann. Hum. Biol.* 23: 397 (Abst.)
2. Shami, S.A.; Jabeen, F.; Schmitt, L. H. and Bittles, A.H., 1996. Consanguinity and the Prevalence of Cardiovascular Diseases in Pakistan. *Am. J. Hum. Biol.* 8: 128-129.(Abst.)
3. Farhat Jabeen and Abdul Shakoor Chaudhry Using Fish as a Biomarker to monitor pollution in Indus River in the Mianwali District of Pakistan in the Freshwater Biology Association (FBA) Conference held on 15-16 July, 2008 in London (in book of abstracts p 8-9).
4. Farhat Jabeen and Abdul Shakoor Chaudhry, 2010. Effect of sodium selenite on male Sprague-Dawley rats exposed to sublethal dose of cadmium chloride in British Society of Animal Science Annual Conference, held on 12-14 April, 2010 in Queens University Belfast, Ireland.

National:

1. Farhat Jabeen and Abdul Shakoor Chaudhry, 2010. Analysis of Trace Elements in Fish from the Indus River, Pakistan for Environmental Monitoring and Food Safety Assessment by ICP-OES. Proceedings of the 30th Pakistan Congress of Zoology (2-4 March, 2010), p151-15.
2. Farhat Jabeen and Abdul Shakoor Chaudhry, 2010. *Cyprinus carpio* as a biomarker to monitor mineral pollution in the Indus River in the Mianwali District

- of Pakistan. . Proceedings of the 30th Pakistan Congress of Zoology (2-4 March, 2010), p152.
3. Salma Sultana ,Farhat Jabeen, Samina Jalali, SA Shami , Shagufta Khaliq, Muhammad Ismail, Sadaf Frasad and Muhammad Nasir, 2006. Identification of DFNB12 Locus in a large Pakistan Consanguineous kindred. 1st International Conference Biotechnology and Informatics, Pakistan (Abstract), p 22.
 4. Farhat Jabeen, Samina Jalali, Salma Sultana, SA Shami , Shagufta Khaliq, Muhammad Ismail , Aiysha Abid and Muhammad Nasir, 2006. Linkage of a reported dominant Locus (8q11-q13) to autosomal Recessive Retinitis pigmentosa sine pigmento in a large Pakistani consanguineous kindred. 1st International Conference Biotechnology and Informatics, Pakistan (Abstract), p 13.
 5. Salma Sultana, Farhat Jabeen, Samina Jalali, SA Shami, Shagufta Khaliq, Muhammad Ismail, Sadaf farasad and Muhammad Nasir.2006. Identification of DFNB37 locus in a large Pakistani consanguineous kindred afflicted with autosomal recessive non-syndromic hearing impairment. Proceedings of 26th Pakistan Congress of Zoology
 6. Farhat Jabeen, Salma Sultana, Samina Jalali, SA Shami, Shagufta Khaliq, Muhammad Ismail, Aiysha Abid and Muhammad Nasir.2006. Involvement of reported dominant locus in autosomal recessive macular degeneration in large pakistani consanguineous kindred. Proceedings of 26th Pakistan Congress of Zoology.
 7. Shami, S.A. and Jabeen, F. 1994. Epidemiology and inheritance of cardiovascular diseases (abstract). Proceedings of 14th Pakistan Congress of Zoology.

Paper published:

National:

1. Jabeen, F and Shami, S.A.; 1995. Epidemiology of Common Cardiovascular diseases in a Hospital Population. Pro. Pakistan Congress Zool. 5:211-216.
2. Farhat Jabeen , Samina Jalali, Salma Sultana, SA Shami , Shagufta Khaliq , Muhammad Ismail , Aiysha Abid and Muhammad Nasir,2005. Identification of LCA4 Locus in a Pakistani consanguineous kindred suffering from Leber's congenital amaurosis (LCA). PJMR 44(3):125-129
3. Samina Jalali, Farhat Jabeen , Salma Sultana , SA Shami , Shagufta Khaliq , Muhammad Ismail , Aiysha Abid and Muhammad Nasir,2005. Identification of LCA4 Locus in a Pakistani consanguineous kindred suffering from a distinct type of Leber's congenital amaurosis (LCA). [Ann Pak Inst Med Sci](#) Sep 2005;1(3):162-6.
4. Salma Sultana , Samina Jalali, Farhat Jabeen , SA Shami , Shagufta Khaliq , Muhammad Ismail , Aiysha Abid and Muhammad Nasir.2006 Localization of DFNB28 locus in a pakistani consanguineous kindred. PJMR 45(1):21-24.
5. Farhat Jabeen , Salma Sultana, Shahid Mahboob, Samina Jalali, , and SA Shami, 2006.Linkage analysis of autosomal recessive retinitis pigmentosa sine pigmento in a large Pakistani consanguineous kindred. Ophthalmic Newsnet 4(3):11-15.
6. Farhat Jabeen , Salma Sultana, Tayyaba Sultana, Samina Jalali, , and SA Shami, 2007. Involvement of reported dominant locus in autosomal recessive Macular degeneration in large Pakistani Consanguineous kindred. Ophthalmic Newsnet 5(2):7-11
7. Qurart-ul-Ain, Laiq Ahmad, Muhammad Hassan, Shahid Mahboob Rana and Farhat Jabeen. Prevalence of β Thalacemic patients associated with consanguinity and HCV antibody positivity. A cross sectional study (Accepted and in press in Pakistan Journal of Zoology).

Poster Presentations

International

1. Farhat Jabeen and Abdul Shakoor Chaudhry. Heavy metal uptake, bioaccumulation and histopathological responses in gills of freshwater fish from

- the Indus River, Pakistan. British Society of Animal Sciences Annual conference, 2009.
2. Farhat Jabeen and Abdul Shakoor Chaudhry. *Cyprinus carpio* as a biomarker to monitor metal pollution in the Indus River, Pakistan. British Society of Animal Sciences Annual conference, 2009.
 3. Abdul Shakoor Chaudhry, Farhat Jabeen and Salma Sultana. Effect of water pollution on protein fractions of gills and muscles of *Cyprinus carpio* inhabiting Indus River in Mianwali, Pakistan in international Conference of Freshwater Biology Association held on 1-4 September, 2008 in Cumbria, UK(in book of abstracts p 15).
 4. Farhat Jabeen and Abdul Shakoor Chaudhry. Heavy metal bioaccumulation and histopathological alterations in gills of *Oreochromis mossambicus* from Indus River of Mianwali, Pakistan, in international Conference of Freshwater Biology Association held on 1-4 September, 2008 in Cumbria, UK (in book of abstracts p 18-19).

National

1. Biomarker and Bioaccumulation responses in *Cyprinus carpio* inhabiting Indus River in Mianwali, Pakistan, in 9th Biennial Conference, Advances in Biochemistry and Molecular Biology, December 17-20, Arid Agriculture University, Rawalpindi, Pakistan.

Book Published

Inheritance of Congenital Blindness: Genetic Epidemiological and Molecular Perspectives of Congenital Blindness at family level. VDM Verlag Dr. Muller Aktiengesellschaft & Co. KG (4 Dec 2009).

REFERENCES.

1. Dr Abdul Shakoor Chaudhry, School of Agriculture, Food and Rural development, Newcastle University, UK.
2. Prof. Dr. Shahid Mahboob Rana, Vice Chancellor , GC University, Faisalabad, Pakistan.
3. Dr. S. A. Shami, Department of Biological Sciences, Quaid-i-Azam University, Islamabad Pakistan.

4. Dr. Samina Jalali, Dean faculty of Biological Sciences, Quaid-i-Azam University, Islamabad Pakistan.
5. Dr. Salma Sultana Assistant Professor GC University Faisalabad Pakistan.