

CURRICULUM VITAE

Samreen Riaz

Name: Samreen Riaz

Date of Birth: 1979

Gender: Female

Correspondence/Postal address: Lecturer, Department of Microbiology and Molecular Genetics, University of the Punjab, New Campus, Lahore.54590. Tel= 00923004351979, 00447574473992
Email= samreen@biochem.ucl.ac.uk

Academic Positions:

- Lecturer in the Department of Microbiology and Molecular Genetics, University of the Punjab, New Campus, Lahore, April, 2006-update.
- Associate staff, Bioscience division, Faculty of life sciences, Institute of structural and Molecular Biology, University College London, Gower Street, London.UK. March 2010 to November 2010.
- Research Scholar in the School of Biological Sciences, Punjab University, Lahore, 2005-2006.
- Lab Manager /Incharge of Physiology Department in the University of Health Sciences. 2004-2005.
- Research /Teaching Assistant of Zoology in Govt. College University, Lahore. (2001-2004).
- Sub-Editor of “*Biologia*” a national reputed Journal, 1999-2004.

Administrative experience:

- Assistant Superintendent in Gov. College Girls Hostel, Lahore. (2001-2003)
- Assistant Superintendent in Punjab University Girls Hostel no. 5, Lahore. (2004)
- Assistant Superintendent in Punjab University Girls Hostel no. 7, Lahore. (2007)
- Incharge Programme of Extracurricular activities in the MMG Dept Punjab University, Lahore (2006-update).
- Member board of studies of faculty of life sciences, Punjab University, Lahore. (2008)
- Judge for Biology section in Punjab Science Olympiad, 2006-2007.
- Judge for Biology section in Punjab Science Olympiad, 2008.

Education and Training:

- Ph.D (2005-2011), Biological and Medical Sciences from School of Biological Sciences, Punjab University, Lahore and Institute of structural and Molecular Biology, University College London, Gower Street, London, UK.
- M.Phil (2004), Molecular Biology from Govt. College University, Lahore.
- M.Sc (2001), Zoology from Govt. College University, Lahore.
- B.Sc. (1999), Medical Sciences from Punjab University, Lahore.
- F.Sc (1997), Medical Sciences from Govt. College for Women, Satellite town, Gujranwala Board.
- Matriculation , (1995) Medical Sciences from Govt. School , Gujranwala Board.
- DCS: Diploma in computer Sciences, Don College, Lahore. 2003.
- ELT: English language teaching diploma from Don College, Lahore. 2003.
- IELTS: English Language Proficiency test from British Council, UK. 2004
- IELTS: English Language Proficiency test from British Council, UK. 2008
- Training of different Instruments used in Life, Medical and Biological Sciences research laboratories.

Distinctions :

- First Position and Gold Medal (Punjab University, Lahore) in Graduation (1999).
- First Position and Gold Medal in Master of Sciences (Govt. College University, Lahore, 2001).
- Role of Honour in Master of Sciences (Govt. College University, Lahore, 2001).
- Winner of President Talent Farming Scheme (PTFS) Scholarship both in Graduation and post Graduation. (University Grant Commission, Islamabad, 1999 and 2001).
- First Position in M.Phil (Govt. College University, Lahore, 2004).
- Star Laureate 2009 from Pakistan National Star Award in Women of the Year category education (2010).

Awards, Scholarships and fellowships received:

- Throughout high 1st Div/A grade and Scholarship holder in whole academic career.
- Merit Certificate and Scholarship in Matric. (Gujranwala Board in 1993-1995)
- Merit Certificate and Scholarship in F.Sc. (Gujranwala Board in 1995-1997)
- Gold Medal and Certificate of Merit in B.Sc. (Punjab University in 1997-1999)
- Merit Scholarship of B.Sc. Punjab University .(1999-2001)
- President Talent Farming Scheme (PTFS) Scholarship of B.Sc. (University Grant Commission, Islamabad, 1997-1999)
- Gold Medal and Merit Scholarship in M.Sc. Zoology (Govt. College University, Lahore, 1999-2001)
- Role of Honour in M.Sc. Zoology (Govt. College University, Lahore, 1999-2001)
- President Talent Farming Scheme (PTFS) Scholarship of M.Sc. (University Grant Commission, Islamabad, 1999-2001)
- Higher Education Commission Scholarship of M. Phil (HEC, Islamabad 2001-2003)
- Fellowship for Ph.D in School of Biological Sciences, Punjab University, Lahore. (2004-2009)
- Young Investigator award in HUPO Toronto, Canada, 2009
- HEC IRSIP award for six months fellowships in the University College London, UK. 2010.
- XXTH STAR AWARDS 2009, Women of the Year Award (Education) 2010, Star Laureate 2009.
- Performance evaluation award for the research from the University of the Punjab, Lahore from 2007, 2008, 2009, 2011.year

Affiliation to learned bodies:

- Executive Secretary of Girl Guide in 1993-1995.
- Member of Women Guard (N.C.C) in 1995-1997.
- Member of Biological society of Pakistan, 1999-2001.
- Member of Horticulture Society, 1999-2001.
- Member of Zoology society of Pakistan, 2004.
- Life Fellowship of Biological society of Pakistan.
- Life Fellowship of Zoological society of Pakistan
- Life Fellowship of Biochemistry and Molecular Biology Society of Pakistan
- Member board of studies of faculty of life sciences, Punjab University, Lahore. (2008)
- Judge for Biology section in Punjab Science Olympiad, 2006-2007.
- Judge for Biology section in Punjab Science Olympiad, 2008.
- Member, Committee for admission of B.Sc. Hons. and Msc. Degree Programs, Deptt. of MMG, University of the Punjab. Lahore. (2006-update)
- Member, Committee for Results of B.Sc. Hons. and Msc. Degree Programs, Deptt. of MMG, University of the Punjab. Lahore. (2006-update)
- Member, Committee for Co-Curricular activities, Deptt. of MMG, University of the Punjab. Lahore. (2006-update)
- Member, Committee for Maintenance, Deptt. of MMG, University of the Punjab. Lahore. (2006-update)
- Member of Diabetes Association, UK.

- Member of Human Proteome Organization (HUPO), USA. from 2007 to date
- Diabetes, UK 2006 to update
- Member International Association of Engineering Bioinformatics society from 2009 to update.
- Member, Pakistan Proteome society, Karachi. Pakistan from 2009 to date.
- Member, Pakistan society of young scientist, from 2011 to date.

Areas of Research Interest and Specialization

Area of interest is in the teaching and research fields of Biomedical, Life Sciences and Natural Sciences.

COLLABORATING INSTITUTIONS

Foreign Institutions

- Protein Damage and System Biology Group, Warwick Medical School, University of Warwick, Coventry, UK.
- Department of Pharmacology, Cardiff University, Cardiff, UK.
- Department of Microbiology, Nottingham University, Nottingham, UK.
- Department of Biochemistry, King Saud University, Riyadh, Saudi Arabia.
- Bioscience Division Faculty of Life Sciences, Department of Structural and Molecular Biology, University College London, London. UK

National Institutions

- School of Biological Sciences, Punjab University, Lahore.
- Institute of Biochemistry and Biotechnology, University of the Punjab, Lahore.
- Federal Post Graduate Medical Institution, Pharmacology Department, Sheikh Zayed Hospital, Lahore.
- Zoology department, Govt. College University, Lahore.
- University of Health Sciences, Lahore
- PCSIR laboratories, Lahore.
- Institute of Industrial Biotechnology, Govt. College University, Lahore
- National Institute of Biotechnology and Genetic Engineering, Faisalabad
- University of Veterinary and Animal Sciences, Lahore
- Department of Biochemistry, University of Karachi, Karachi.
- King Edward Medical College and University, Lahore.

Scientific Research Project:

Research projects completed:

1. Chromium Intoxication observation in histopathological aspects of various organs in farm fish (1999-2001).
2. Nutrition evaluation of chrome shaving replacing animal feed in the growth performance and on various parameters of quail chicks (2001-2004).
3. Study of Flouride toxicity in histopathological aspects of various organs in farm fish (2003-2005).
4. Obesity as risk factor for diabetes mellitus in local population (2006-2007).
5. Screening of anti Methicillin Resistant *Staphylococcus aureus* (MRSA) bacteriocin Producing Bacteria (2007-2008).
6. Proteomic human urinalysis of diabetic hypertensive nephropathy in local population.(2008-2009)
7. Microbiological Analysis of Urinary Tract Infection in Patients Suffering from Diabetes Mellitus (2009-2010).
8. Study of human serum protein biomarker for diabetes mellitus type 2 and therapy with high dose thiamine (2005-2010).
9. Study of human urine protein biomarker for diabetes mellitus type 2 and therapy with high dose thiamine (2005-2010).

10. Study of protein biomarkers in diabetes type 2 of Pakistani population (2010).
11. Microbiological Analysis of Urinary Tract Infection in Patients Suffering from Diabetes Mellitus (2010).

Research Supervision:

- Supervised B.Sc. Hons. Research students in the Dept. of Zoology, Govt. College University, Lahore. 2001-2003.
- Supervised M.Sc. Research students in the in the Dept. of Zoology, Govt. College University, Lahore. 2001-2003.
- Supervised B.Sc. Hons. And M.Sc. Research students in the Dept. of Microbiology and Molecular Genetics, Punjab University, Lahore. 2006 to date.
- Under supervision BS Hons. and M.Sc. researches students at the Dept. of Microbiology and Molecular Genetics, Punjab University, Lahore. 2009 to date.

Editor/Reviewer and Member committee of Scientific journals:

1. Sub-editor, "Biologia" national reputed oldest biological journal of Pakistan. (1999-2002)
2. Reviewer and member editorial board, International academic group of journals. (2005-update)
3. Member, Journal of Biochemistry and Molecular Biology of Society of Pakistan. 2005-update
4. Reviewer for International Journal of Diabetes Technology and Therapeutics, 2009-update
5. Member, reviewer committee of Journal of diabetes and therapeutic technology, 2009-update

Scientific Conferences, Symposiums and Workshops attended:

National Level attended:

1. Conference attended of Biological Society of Pakistan (Govt. College University, Lahore, 2002).
2. Conference attended in Pakistan Society of Zoology (Muzaffarabad, 2002)
3. Conference attended in Pakistan Society of Zoology (Faisalabad, 2003)
4. Conference attended in Pakistan Society of Zoology (Lahore 2004)
5. Conference attended in Pakistan Society of Zoology (Karachi, 2005)
6. Conference attended in Pakistan Society of Zoology (Karachi, 2005)
7. Conference attended in Pakistan Society of Zoology (Jamshorow, 2006)
8. Conference attended in Pakistan Society of Zoology (Lahore, 2006)
9. Symposium attended on Nanotechnology at School of Biological Sciences, University of the Punjab, Lahore. (May, 2006)
10. Workshop attended of Functional Genomics in CASM at Lahore University of Management Science, Lahore. (17-18 March, 2007)
11. Symposium attended on Biomarkers measurements in complex Matrices at School of Biological Sciences, Lahore. (25-26 April, 2007)
12. Symposium attended in MMG dept. proteomics, genomics and metabolomics in Punjab University. (Lahore, 23-25 October 2007)
13. Workshop attended on proteomics, genomics and metabolomics in Punjab University. (Lahore, 23-25 October 2007)
14. Conference attended in Pakistan Society of Zoology (Multan, 2006)
15. Symposium attended of 18th National Chemistry conference in Punjab University. (Lahore, 25-27 February, 2008)
16. Seminar attended of Microbial resistant paints in MMG, Lahore. (17th April 2008)
17. Symposium attended on Glycoprotein in SBS, Punjab University, Lahore from 22-23 May, 2008.
18. Conference attended of 9th Biennial PSBMB in University of Arid Agriculture Rawalpindi, Pakistan from 17-19th Dec 2008.

19. Workshop attended of on liver transplant organized by Pakistan society of hepatology at Shaikh Zayed Hospital, Lahore from 23rd January, 2009.
20. Conference attended in Pakistan Society of Zoology (24 February, 2009.Sindh).
21. Workshop attended on Honey Bee Farming and Management training in the Zoology Department, University of the Punjab, Lahore from 2-6th March, 2009
22. Seminar attended on Modern Biotechnology: A resource for satiable development. Organized by Dept of Microbiology and Molecular genetics, University of the Punjab, Lahore in Pearl Continental Hotel, Lahore on 4th July, 2009.
23. Conference attended of 19th Annual meeting of Medical research society of Pakistan organized by Shoukat Khanum Memorial Hospital and Research Centre at University of Health sciences (UHS), Lahore on 31st October, 2009.
24. Attended 2nd National conference on Emerging Trends in diabetes organized by Services Institute of Medical Sciences, Lahore at Services Hospital, Lahore on 21st November, 2009.
25. Attended Symposium on working with proteomics with post genomic era at School of Biological sciences, University of the Punjab, Lahore, 6-7th January 2010.
26. Attended Workshop on Molecular Hematology organized by Dept of MMG University of the Punjab and Children Hospital, Lahore. 9th February 2010.

International Level attended:

27. International Conference attended of Federation of Asian and Oceanian Biochemists and Molecular Biologists (FAOBMB), International Conference (Lahore, 2005)
28. International Workshop attended of FAOBMB, Proteomics & Genomics, Biochemistry International Conference, Lahore. (20-23 November, 2005)
29. International Seminar Attended on high dose thiamine therapy for diabetes type 2 at Pearl Continental Hotel, Lahore at 27th Nov, 2006.
30. International Congress attended of IUBMB (Biochemistry) attended at Kyoto, Japan 18-23 June 2005.
31. International Conference attended of Macromolecular delivery of therapeutic molecules at Cardiff University, Cardiff, UK from 22nd June to 25th June 2008.
32. International Seminar Attended on thiamine prevent kidney failure at Pearl Continental Hotel, Lahore at 27th Nov, 2008.
33. International Conference attended of 9th Annual Congress 2009 organized by Pakistan society of hepatology at Pearl Continental Hotel, Lahore from 24th-25th January, 2009.
34. International Conference Attended of 1st Conference of Biotechnology at King Fahad Cultural Centre, Riyadh, Saudi Arabia from 18-20th February, 2009.
35. International Workshop attended on "Separation Science and Omics" 06-10 April, 2009 in the School of Biological Sciences, University of the Punjab, Lahore.
36. International Scottish Scientific Symposium on diabetes and research into practice at Edinburgh conference centre Heriot Watt University Scotland. 22nd March 2010.
37. International Workshop on Diabetes 2010 and beyond: Knowledge into practice at Edinburgh Heriot Watt University, Scotland. UK 23rd March 2010.
38. 4th International Conference on Biomarkers in Chronic disease held at Al-Khozama hotel, Riyadh, Saudi Arabia organized by King Saud University, KSA on May, 4-6, 2010.
39. International level Symposium of Institute of Structural and Molecular Biology organized by ISMB and Department of Biological Sciences, School of Science, Birkbeck University of London held on 17th and 18th June 2010 at Bioscience Division, ISMB, UCL, London. UK.
40. Meeting on Hepcidin; Iron Metabolism in Diabetes. Organized by Kings College London held on 8th July 2010 at Franklin Building, Kings College London.UK.
41. International World Congress of Engineering (WCE 2010) organized by society of IAENG at Imperial College London.UK from 30th June to 2nd July, 2010.
42. International Conference of National CVD Prevention Meeting, Putting Prevention First-The Professional Challenges organized by Cardiovascular Society at Imperial College London, UK on 1st July to 2nd July, 2010.

Scientific Conferences /Workshops Conducted at International/National level:

1. Member of organizing Committee of National level conference of Biological Society of Pakistan (Govt. College University, Lahore, 2002).
2. Member of organizing Committee of Federation of Asian and Oceanian Biochemists and Molecular Biologists (FAOBMB), International Conference, International level Conference (Nov. 20-23, 2005, Lahore).
3. Member of organizing Committee of Workshop of FAOBMB, Proteomics & Genomics, Biochemistry, International level Conference (20-23 Nov. 2005, Lahore)
4. Member of organizing Committee of National level Symposium on Nanotechnology at School of Biological Sciences, (Lahore, 2006)
5. Member of organizing Committee of National level Symposium on Biomarkers measurements in complex Matrices at School of Biological Sciences, (Lahore, 25-26 April, 2007)
6. Member of organizing Committee of National level Symposium in MMG dept. proteomics, genomics and metabolomics in the Punjab University. (Lahore, 23-25 October 2007)
7. Member of organizing Committee of National level Workshop on proteomics, genomics and metabolomics in the Punjab University. (Lahore, 23-25 October 2007)
8. Member, Organizing Committee of Symposium on Biomarkers measurements in Complex Matrices at School of Biological Sciences, Lahore. (25-26 April, 2007)
9. Member of organizing Committee of National level Seminar on Prevention of Diabetes with thiamine therapy at Pearl Continental Hotel, Lahore at 27th Nov, 2008.
10. Member of Organizing Committee of International Workshop "Separation Science in the School of Biological Sciences, University of the Punjab, Lahore. (06-10 April, 2009)
11. Resource Person of International workshop "Separation Science and Omics" in the School of Biological Sciences, University of the Punjab, Lahore. (06-10 April, 2009)
12. Member Organizing committee for the Symposium on working with proteomics with post genomic era at School of Biological sciences, University of the Punjab, Lahore, 6-7th January 2010.
13. Member organizing committee for Workshop on Molecular Hematology organized by Dept of MMG University of the Punjab and Children Hospital, Lahore. 9th February 2010.

Scientific Presentation in Conferences, workshops and Meetings:

National level presentations:

1. Samreen Riaz, and M. S. Mughal. Histopathological changes in kidney of grass carp, *Ctenopharyngodon idella* as manifested by chromium intoxication. 1st National conference of Biological Society of Pakistan (Lahore, 2000).
2. Samreen Riaz, and M. S. Mughal. Histopathological changes in spleen of grass carp, *Ctenopharyngodon idella* as manifested by chromium intoxication. National conference of Pakistan Society of Zoology (Muzaffarabad, 2001)
3. Samreen Riaz, and M. S. Mughal. Effect of different levels of tannery wastes on serum enzymes of quail chicks *Coturnix coturnix japonica*. National conference of Pakistan Society of Zoology (Faisalabad, 2002)
4. Samreen Riaz, and M. S. Mughal. Histopathological changes of different levels of tannery wastes replaced by chrome shavings in liver & kidney of quail chicks *Coturnix coturnix japonica*. National conference of Pakistan Society of Zoology (Multan, 2003)
5. Samreen Riaz, M. Anwar Malik and M. S. Mughal. Estimation of chromium in muscular tissues of quail chicks after administration of chrome shaving through atomic absorption spectrometry. National conference of Pakistan Society of Zoology (Karachi, 2004)
6. Samreen Riaz. Effect of different levels of chrome shaving on total body weight of quail chicks *Coturnix coturnix japonica*. National conference of Pakistan Society of Zoology (Karachi, 2004)
7. Samreen Riaz. Fluoride toxicity on the histopathological aspects of liver in the *Cirrhinus mrigala*. National conference of Pakistan Society of Zoology (Lahore, 2005)
8. Samreen Riaz. Fluoride toxicity on the histopathological aspects of kidney in the *Cirrhinus mrigala*. National conference of Pakistan Society of Zoology (Lahore, 2005)

9. Samreen Riaz.. Effect of different levels of chrome shavings on hematological parameters in the blood of quail chicks. National conference of Pakistan Society of Zoology (Lahore, 2006)
10. Samreen Riaz., Saadia Shahzad Alam., Naila Rabbani., Paul J. Thornalley and M. Waheed Akhtar. Proteomic strategies to study the protein biomarker for diabetes mellitus and effect of thiamine on their levels. 1st symposium of Genomics, Proteomics and Metabolomics. Modern trends in Biotechnology, MMG Dept. Punjab University, Lahore. (23-25th October 2007)
11. Mehreen Raza, Samreen Riaz, Saadia Shahzad Alam, Shahida Hasnain and M. Waheed Akhtar. Obesity as risk factor and study of obesity related proteins in diabetes mellitus. 1st symposium of Genomics, Proteomics and Metabolomics. Modern trends in Biotechnology, MMG Dept. Punjab University, Lahore. (23-25th October 2007)
12. Samreen Riaz., Saadia Shahzad Alam and M. Waheed Akhtar. Study of protein biomarkers for diabetes type 2 and role of thiamine on their levels. 9th Biennial Conference of Pakistan society of Biochemistry and Molecular Biology (PSBMB) in the University of Arid Agriculture Rawalpindi, Pakistan. (17-19th December, 2008).
13. Samreen Riaz., Saadia Shahzad Alam and M. Waheed Akhtar. Effect of high dose thiamine on protein biomarker for diabetes mellitus type 2. 19th Annual meeting of Medical research society of Pakistan organized by Shoukat Khanum Memorial Hospital and Research Centre at University of Health sciences (UHS), Lahore (31st October, 2009).
14. Ansa Butt, Saadia Shahzad Alam and Samreen Riaz. Study of hypertensive diabetic nephropathy in local population of Pakistan. 19th Annual meeting of Medical research society of Pakistan organized by Shoukat Khanum Memorial Hospital and Research Centre at University of Health sciences (UHS), Lahore (31st October, 2009).
15. Samreen Riaz., Saadia Shahzad Alam and M. Waheed Akhtar. Study of protein biomarkers for diabetes type 2 and role of high dose thiamine on their levels. 2nd National conference on Emerging Trends in diabetes organized by Services Institute of Medical Sciences, Lahore at Services Hospital, Lahore (21st November, 2009).
16. Sadia Raana and Samreen Riaz. Microbiological Analysis of Urinary Tract Infection in Patients Suffering from Diabetes Mellitus. Symposium On Current Agro Biotechnology And Transgenic Plants. Organized By Department Of Microbiology And Molecular Genetics, University of the Punjab, Lahore-Pakistan (Monday 21st June 2010).

International level presentations:

17. Samreen Riaz. Effect of different levels of chrome shaving on nutritional values replaced by animal feed in quail chicks *Coturnix coturnix japonica*. International Congress of IUBMB (Biochemistry) attended at Kyoto, Japan 18-23 June 2005.
18. Samreen Riaz. Histopathological changes observed in the heart and gizzard of quail chicks *Coturnix coturnix japonica* administrated by the different levels of chrome shaving. International conference of Federation of Asian and Oceanian Biochemists and Molecular Biologists (FAOBMB), Lahore (20-23 November, 2005).
19. Samreen Riaz. Evaluation of nutritive value of different levels of chrome shaving partially replacing animal protein in the feed on the performance of quail chicks. International conference of Federation of Asian and Oceanian Biochemists and Molecular Biologists (FAOBMB), Lahore (20-23 November, 2005).
20. Samreen Riaz., Saadia Shahzad Alam., Naila Rabbani., Paul J.Thornalley and M. Waheed Akhtar. Study of protein biomarkers on diabetes mellitus using 2-D liquid chromatography and Mass Spectrometric analysis. International conference on “Therapeutic Macromolecules and Drug delivery” in Cardiff University, Cardiff, UK (22nd to 25th June 2008)
21. Samreen Riaz., Saadia Shahzad Alam., Naila Rabbani., Paul J. Thornalley and M. Waheed Akhtar. Study of protein biomarkers for diabetes type 2 and role of thiamine on their levels. 1st International Conference of Biotechnology at King Fahad Cultural Centre, organized by King Saud University, Riyadh, Saudi Arabia .(18-20th February, 2009).
22. Samreen Riaz., Saadia Shahzad Alam and M. Waheed Akhtar. Study of protein biomarkers for diabetes type 2 using Proteomelab PF2D and MALDI TOF TOF analysis. International Workshop on “Separation Science and Omics” held at School of Biological Sciences, University of the Punjab, Lahore. (06-10 April, 2009).

23. Samreen Riaz, Saadia Shahzad Alam and M. Waheed Akhtar. Study of protein biomarkers for diabetes type 2 and role of thiamine on their levels. International congress of Physiological Sciences (IUPS 2009), Function of Life: Elements and integration. July 27-August 1, 2009. Kyoto, Japan.
24. Samreen Riaz, Saadia Shahzad Alam, Surjit Kaila Srail and M. Waheed Akhtar. Study of protein biomarkers for diabetes type 2 and role of thiamine on their levels. International Conference on Diabetes 2010 and beyond: Knowledge into practice at Edinburgh Heriot Watt University, Scotland. 23rd March 2010 (Poster Presentation).
25. Samreen Riaz, Saadia Shahzad Alam, Surjit Kaila Srail and M. Waheed Akhtar. International Conference on Diabetes 2010 and beyond: Knowledge into practice at Edinburgh Heriot Watt University, Scotland. 23rd March 2010 (Poster Presentation).
26. Samreen Riaz, Saadia Shahzad Alam, Surjit Kaila Srail, Vernon Skinner, Aasma Riaz and M. Waheed Akhtar. Study of urinary protein biomarkers for diabetes type 2 and role of thiamine on their levels. 4th International Conference on Biomarkers in Chronic disease held at Al-Khozama hotel, Riyadh, Saudi Arabia organized by King Saud University, KSA on May, 4th -6th, 2010 (Oral Presentation and Invited Speaker of the Session).
27. Samreen Riaz, Saadia Shahzad Alam, Aasma Riaz and M. Waheed Akhtar. Study of urinary protein biomarkers for diabetes type 2 and role of thiamine on their levels. 4th International Conference on Biomarkers in Chronic disease held at Al-Khozama hotel, Riyadh, Saudi Arabia organized by King Saud University, KSA on May, 4th -6th, 2010 (Poster Presentation).
28. Samreen Riaz and Ansa Butt. Study of protein profiling of human urine in diabetic hypertensive nephropathy versus normal healthy controls. 4th International Conference on Biomarkers in Chronic disease held at Al-Khozama hotel, Riyadh, Saudi Arabia organized by King Saud University, KSA on May, 4th -6th, 2010 (Poster Presentation).
29. Samreen Riaz and Surjit Kaila Srail. Study of human urine protein biomarker in diabetes type 2 using 2-D LC and Mass spectrometry methods. International World Congress of Engineering (WCE 2010) organized by society of IAENG at Imperial College London. UK from 30th June to 2nd July, 2010 (Oral Presentation).
30. Samreen Riaz, Saadia Shahzad Alam., Surjit Kaila Srail, Vernon Skinner, Aasma Riaz and M. Waheed Akhtar. Proteomic Identification of human urine biomarkers in diabetes mellitus type-2. International Conference of National CVD Prevention Meeting, Putting Prevention First-The Professional Challenges organized by Cardiovascular Society at Imperial College London on 1st July to 2nd July, 2010 (Oral Presentation).

Research publications in Scientific Journals:

National level publications:

1. Riaz, S. and Mughal, M.S. 2000. Histopathological changes in kidney of grass carp, *Ctenopharyngodon idella* as manifested by chromium intoxication. *Biologia*, 2000. 46 (1&2), 83-88.
<http://www.gcu.edu.pk/library/libThzoo.htm>, <http://www.gcu.edu.pk/Biologia.htm>
2. Riaz, S. and Mughal, M.S. 2002. Histopathological changes in spleen of grass carp, *Ctenopharyngodon idella* as manifested by chromium intoxication. *Biologia*, 2002. 48 (1&2), 401-405.
<http://www.gcu.edu.pk/library/libThzoo.htm>, <http://www.gcu.edu.pk/Biologia.htm>
3. Riaz, S. and Mughal, M.S. 2002. Effect of different levels of tannery wastes on serum enzymes of quail chicks *Coturnix coturnix japonica*. *Biologia*, 2002. 48 (1&2), 389-400.
<http://www.gcu.edu.pk/library/libThzoomph.htm>, <http://www.gcu.edu.pk/Biologia.htm>
4. Riaz, S. and Mughal, M.S. 2002. Histopathological changes of different levels of tannery wastes replaced by chrome shavings in liver & kidney of quail chicks *Coturnix coturnix japonica*. *Biologia*, 2002. 48 (1&2), 341-349.
<http://www.gcu.edu.pk/library/libThzoomph.htm>, <http://www.gcu.edu.pk/Biologia.htm>

5. Riaz, S., Malik, M.A and Mughal, M.S. 2005. Estimation of chromium in muscular tissues of quail chicks after administration of chrome shaving through atomic absorption spectrometry. Journal of Biochemistry and Molecular Biology. 38 (3&4), 83-87.
<http://www.psbmb.org.pk/PJBMB/archives.htm>.
6. Riaz, S and Riaz, A. 2006. Effect of different levels of chrome shaving on total body weight of quail chicks *Coturnix coturnix japonica*. Journal of Biochemistry and Molecular Biology. 39 (1&2), 10-19.
<http://www.psbmb.org.pk/PJBMB/2006/39,%201-2.htm>.
7. Riaz, S. Shoukat. S and Mughal, M.S. 2007. Fluoride toxicity on the histopathological aspects of liver in the *Cirrhinus mrigala*. Journal of Biochemistry and Molecular Biology, 39 (3), pp 165-173.
<http://www.psbmb.org.pk/PJBMB/archives.htm>.
8. Riaz, S., Shoukat, S., and Mughal, M.S. 2008. Fluoride toxicity on the histopathological aspects of kidney in the *Cirrhinus mrigala*. Journal of Biochemistry and Molecular Biology. 40 (3), pp20-24.
<http://www.psbmb.org.pk/PJBMB/archives.htm>.
9. Riaz, S., Alam, S.S., Rabbani, N., Thornaely, P.J and Akhtar, M.W. 2009. Proteomic strategies to study the protein biomarker for diabetes mellitus and effect of thiamine on their levels. Proceeding of the symposium of Genomics, Proteomics and Metabolomics. Modern trends in Biotechnology, MMG Dept. Punjab University, Lahore. pp 198-212.
http://www.pu.edu.pk/departments/pub/52_Res_Pub_Jour_Books.asp.

International level publications:

10. Riaz, S., Alam, S.S. and Ikram, A. 2006. Histopathological changes observed in the heart and gizzard of quail chicks *Coturnix coturnix japonica* administrated by the different levels of chrome shaving. African Journal of Biotechnology Vol. 5 (19), pp. 1765-1769. (Impact factor 0.565)
<http://www.academicjournals.org/ajb/contents/2006cont/2Oct.htm>.
11. Riaz, S., and Alam, S.S. 2006. Evaluation of nutritive value of different levels of chrome shaving partially replacing animal protein in the feed on the performance of quail chicks. International Journal of Agricultural and Biological Science, Vol. 1 (1), pp.1-7, July, 2006.
http://www.arpnjournals.com/jabs/volume_07_2006.htm.
12. Riaz, S., Alam, S.S. and Ali, G. 2006. Effect of different levels of chrome shavings on hematological parameters in the blood of quail chicks. International Journal of Agricultural and Biological Science, Vol. 1 (1), pp.27-32, July, 2006.
http://www.arpnjournals.com/jabs/volume_07_2006.htm.
13. Naila Rabbani, Saadia Shahzad Alam, Samreen Riaz, James Larkin, M Waheed Akhtar, Tahir Shafi and Paul J Thornalley. 2009. High dose thiamine therapy for people with type 2 diabetes and microalbuminuria: a randomised, double-blind, placebo-controlled study. Diabetologia. Springer Berlin / Heidelberg. Vol. 52 (2), 208-212. (Impact factor 6.551)
<http://www.springerlink.com/content/511034044218455j/>.
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