

## BIO-DATA

Name	<b>Dr. Rubina Naz</b>
Father's Name	Ghulam Abbas
Date of Birth	25 <sup>th</sup> February, 1965
Place of Birth	Dera Ismail Khan, N-W.F.P., (Pakistan)
Nationality	Pakistani
Mailing Address	Department of Chemistry, Gomal University, D.I.Khan
Permanent Address	H.No. 1233/28 E-Haleem Colony, Eid Gah Kalan, D.I.Khan
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<b>Academic Qualification</b>				
<b>Degree/Certificate</b>	<b>University/Board</b>	<b>Year</b>	<b>Marks Obtained</b>	<b>Division</b>
Post doctorate	HEJ Research Institute University of Karachi	2007	-	-
Ph.D.	Gomal University, D. I. Khan	2006	3.34 CGPA	3.34 CGPA
M.Sc. (Bio-Chemistry)	Gomal University, D. I. Khan	1990	1602/2400	I <sup>st</sup>
B.Sc.	Karachi University, Karachi	1987	517/700	I <sup>st</sup>
F.Sc.	BISE Karachi	1983	713/1100	I <sup>st</sup>
S.S.C	BISE Peshawar	1981	548/850	I <sup>st</sup>

### Ph.D. Dissertation

Phosphotyrosin protein phosphatase: (PTPases) isoenzyme separation from Uromastix Liver, kinetic study and its comparison with that of Chicken's heart muscles.

### **Post Doctorate Fellowship**

National Core Group in Chemistry, H.E.J Research Institute, University of Karachi, for the period 2<sup>nd</sup> May- 2<sup>nd</sup> November 2007.

### **Awards**

- i. Merit Scholarship in S.S.C. Merit Scholarship in B.Sc. 1985-87.
- ii. Merit Scholarship in M.Sc. 1987-89.
- iii. Working as Lecturer in Chemistry at the Department of Chemistry, Gomal University, since 5<sup>th</sup> November, 1991.
- iv. Worked as Joint Secretary (Female) GUASA.

### **Experience**

- 1-Working as Lecturer in Chemistry at Department of Chemistry, Gomal University, D.I. Khan since 5<sup>th</sup> November, 1991.
- 2- Working as Assistant Professor in Chemistry at Department of Chemistry, Gomal University D.I.Khan since 14<sup>th</sup> December 2007.

### **Conferences and Workshops Attended**

- 1) Third National Chemistry Conference held on 20-23 December 1991 at Gomal University, D.I.Khan.
- 2) 5<sup>th</sup> National Chemistry Conference held on 25-28 October 1993 at Department of Chemistry, Quid-e-Azam University, Islamabad.
- 3) UOP HEJRIC Workshop held on 1-4 August 1994 at Barra Gali, Summer Campus.
- 4) I have successfully completed the training course in pharmacy held from 26-31 March 2001 at the Faculty of Pharmacy, Gomal University, D.I.Khan
- 5) In service teacher training workshop program from 20-25 Oct 2003 at Department of Chemistry, Gomal University under the supervision of HEC.
- 6) One-day workshop on ISO 17025 at Gomal University on 22<sup>nd</sup> Oct. 2003 from SMEDA and Gomal University.
- 7) In service teacher training program held on 20-25 Oct. 2003 sponsored by HEC at Department of Chemistry, Gomal University, D.I.Khan.

- 8) One -day national workshop 8<sup>th</sup> October, 2005 Earth quack. A scientific interpretation and consequences 18<sup>th</sup> March, 2006 under supervision Faculty of Pharmacy Gomal University Dera Ismail Khan.
- 9) One-day training course on “Enhancing Quality, Productivity through Interview & Presentation Skills”, Hosted by National Productivity Organization in collaboration with Gomal University, Dera Ismail Khan on December 28, 2006 at D.I.Khan
- 10) Staff Development Course held at I.E.R Department, Gomal University, D.I.Khan. under The Supervision of National Academy of Higher Education .December 26- January 25, 2007.
- 11) 7<sup>th</sup> International & 17<sup>th</sup> National Chemistry Conference, February 26-28, 2007 organized by Department of Chemistry, Gomal University, D.I.Khan under the auspices of the Chemical Society of Pakistan.
- 12) One day workshop on “Problems related to sugar industries” held on 8.03.2011 at department of chemistry Gomal University D.I.Khan under the auspices of National Core Group in Chemistry.
- 13) Three days academic workshop on effective Ph.D Supervision held on 15-17 March 2011 at Islamia University Bahawalpur under the auspices of Higher Education Commission.
- 14) One day seminar/conference on Water for cities: “Responding to the Urban challenge on water day” held on 22nd march 2011 at Faculty of Agriculture Gomal University D.I.Khan under the auspices of Higher Education Commission.

## Papers Published

1. Acid phosphatases in chicken's liver Saleem Haider, **Rubina Naz**, A.R. Khan and A. Saeed., J. Chem. Soc. Pak. 1993. 15(1)64-70.
2. The low high molecular weight acid phosphatases in sheep liver A. R. Khan, **Rubina Naz**, Mukhtiar Hassan and A. Saeed., J. Chem. Soc. Pak. 1997, 19(1)60-69.
3. High Molecular weight acid phosphatase from chicken's liver isolation, purification and characterization. Ahmad Saeed, A. R. Khan, **Rubina Naz**, and Mukhtiar Hassan, Pak. J. Sci. Ind. Res. 1998, 41(5)264-270.
4. Chicken brain acetylcholinesterase inhibition by tetrabutylammonium chloride and N.N.N.N. Tetramethylethylenediamine, Mukhtiar Hassan, A.R. Khan, **Rubina Naz** and A. Saeed, Science International. 1998, 10(2)125-129.
5. Acid Phosphatases in skeletal muscles of Uromastix. **Rubina Naz**, N-Ikram, A. Saeed, Z.A. Khan and A.R. Khan. International Journal of Agriculture and Biology. 2001, 3(4)341-344.
6. Two low molecular weight PTPase isoenzymes from Uromastix liver isolation, purification and characterization, A. Saeed & **Rubina Naz**. Proceedings of 7<sup>th</sup> International Symposium, (Edi. A. Abbasi and S. Abid Ali) BCC & T, University of Karachi, 2003, pp 87-98.
7. Substrate specificity of two distinct Isoenzymes of Phosphotyrosine Protein Phosphatase (PTPase) Isolated from Uromastix liver. **Rubina Naz**, & Ahmad Saeed. Pak. J. Biochem. And Mol. Bio. 2003, 356 (4) 209-213.
8. 18 KDa acid Phosphatase from chicken heart possesses Phosphotransferase activity. **Rubina Naz**, Asma Saeed and Ahmad Saeed. The Protein Journal, 2006, 25, (2) 135-146.
9. Acid Phosphatases from the Liver of Labeo Rohita Purification and characterization. A.Siddiq, M. Rehmat, Asma Saeed, S.Amin, **Rubina Naz**, M.Sherazi & A. Saeed Bio. Pharm. Bull,2008, 31 (5)802-808.
10. Comparative Study of Biochemical Properties of 57 KDa Zn-Dependent AcidPhosphatase in chicken Heart and Liver. Asma Saeed, Abdul Haleem shah, Abdur Rahim Khan, **Rubina Naz** and Ahmad Saeed. J.Chem. Soc. Pak 31(1) 80\_88.
11. 130 kDa Acid phosphatase from the liver of Labeo Rohita: Isolation purification and some kinetic properties. Aisha Siddqua, Mamoona Rahmat, Mehrin Sherazi, Asma saeed, Abdul Haleem Shah, Abdur Rahim Khan, **Rubina Naz** and Ahmad Saeed. . J. Chem.Soc. of Pakistan. 31(5) 801-808, 2009.

12. Hyperglycemic/ diabetic condition in School children of Dera Ismail Khan.M.Ramzan,**Rubina Naz** and Irshad Ali Journal of hamdard medicus. 52(4), 94-99, 2009. .
13. Purification and biochemical characterization of Alkaline serine Protease from *Caesalpinia bonducella* .Hidayatullah Khan,Irshad Ali ,Arifullah Khan and **Rubina Naz**.Natural product Communications. 5(6), 931-934, 2010.
14. Biological screening of different root extracts of *Euphorbia Wallichii*.Irshad Ali,**Rubina Naz**,Wahib Noor Khan Rukhsana Gul and Iqbal Choudary.Pak J.Bot 41(4) 1737-1741, 2009.
15. Antibacterial, antifungal,antispasmodic and Ca antagonist effects of *Caesalpinia bonducella*,Hidayatullah Khan,Irshad Ali,Arifullah Khan ,**Rubina Naz** and Anwer Hussain. journal of natural product research. 1-7, 2010
16. Partial purification and biochemical properties of acid phosphatase from Rohu fish liver:- Aisha Siddiqua, Asma Saeed, **Rubina Naz**, Mehrin Sherazi, , Shazia Ameen and Ahmad Saeed .( Accepted in Journal of Zoology)
17. Comparative homology modelling of low molecular weight phosphotyrosine proteinphosphatase from *Drosophilla Melanogaster* (fruit fly) and study of active site residues and interactions **Rubina Naz**, Ghosia Lutfullah, Ahmad Saeed, Asma Saeed and Farhat Amin. (Submitted )
18. Synthesis, Characterization, Antibacterial and Antifungal activity of some transition metal complexes.Wajid Rahman, Mukhtiar Hassan, S.W.H Shah,**Rubina Naz** and Mohsin Nawaz. (Submitted)

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# Publications

1. Acid phosphatases in chicken's liver. Journal of Chemical Society of Pakistan. 15(1), 64-70, 1993.
2. The Low and high molecular weight acid phosphatases in sheep liver. Journal of Chemical Society of Pakistan. 19(1), 60-69, 1997.
3. High Molecular weight acid Phosphatase from chicken liver: Isolation, Purification and characterization. Pakistan Journal of Science and Industrial Research. 41(5), 264-270, 1998.
4. Chicken brain acetyl cholinesterase inhibition by tetrabutylammonium chloride and N,N, N',N', tetramethylethylene diamine. Journal Of Science Information. 10(2), 125-129, 1998.
5. Acid Phosphatases in Skeletal muscles of Uromastix animal. International Journal of Agriculture and biology. 3(4), 341-344, 2001.
6. Substrate Specificity of two distinct isoenzymes of phosphotyrosine protein phosphatase (PTPase) isolated from Uromastix liver. Pakistan journal of biochemistry and Molecular Biology. 356(4), 209-213, 2003.
7. Protein Structure – Function Relationship. Proceedings of the 7<sup>th</sup> international symposium on Protein Structure – Function Relationship held in Karachi, Pakistan, 20-24<sup>th</sup> Jan., 2003.
8. 18 kDa acid phosphatase from chicken heart possesses phosphotransferase activity. The Journal of Protein. 25(2), 135-146, 2006.
9. Acid Phosphatases from the Liver of Labeo Rohita Purification and Characterization. Biological Pharmaceutical Bulletin. 31(5), 802-808, 2008.
10. 130 kDa Acid Phosphatase from the liver of Labeo Rohita: Isolation, Purification and some kinetic properties. Journal of Chemical Society of Pakistan. 31(5), 801-808, 2009.
11. Comparative study of biochemical properties of 57 kDa and 100 kDa Zn- dependent Acid phosphatases in Chicken heart and liver. Journal of Chemical Society of Pakistan. 31(1), 80-88, 2009.
12. Biological screening of different root extracts of *Euphorbia Wallichii*. Pakistan journal of botany. 41(4) 1737-1741, 2009.
13. Hyperglycemic/ diabetic condition in School children of Dera Ismail Khan. Journal of hamdard medicus. 52(4), 94-99, 2009.

14. Synthesis, Characterization, Antibacterial and Antifungal activity of some transition metal complexes. Wajid Rahman, Mukhtiar Hassan, S.W.H Shah, **Rubina Naz** and Mohsin Nawaz.
15. Purification and biochemical characterization of Alkaline serine Protease from *Caesalpinia bonducella*. Natural product Communications. 5(6), 931-934, 2010.
16. Antimicrobial constituents from *Buddleja asiatica*. Journal of Chemical Society of Pakistan. 2010.

Antibacterial, antifungal, antispasmodic and Ca antagonist effects of *Caesalpinia bonducella*, journal of natural product research. 1-7, 2010