

Curriculum Vitae

Personal Info: ZUBAIR ANWAR

Gender: Male

Address:

Postal Code: 46000

Contact :



Projects:	<i>Company</i>	COMSATS Institute of Information Technology, Islamabad
	<i>Title</i>	<i>Localization Of Autosomal Recessive Non-Syndromic Mental Retardation (ARNMR) gene</i>
	<i>Role</i>	Sampled and Processed the blood samples of families segregating Autosomal Recessive non syndromic mental retardation for exclusion mapping of known loci for ARNSMR with microsatellite markers in Human Molecular Genetics Lab
	<i>Tenure</i>	Sep-2008 Jun-2010
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	<i>Company</i>	Hazara University, Mansehra
	<i>Title</i>	A research report on " <i>Prevalence of Thallasemia in Hazara Division</i> ".
	<i>Role</i>	Sampled and tested the blood samples from different hospitals for the prevalence of Thallasemia in the community.
	<i>Tenure</i>	Sep-2006 To Dec-2006

Research Skills:

- DNA isolation & Purification from biological materials
- Gel Electrophoresis
- PAGE
- Conventional PCR
- Autoclaves, Centrifuge and Incubators Usage
- Media Preparation for microbial growth
- Isolation of bacteria from media
- Biochemical Tests for bacterial identification
- Staining ,AFB staining & Microscopy
- ELISA

- Karyotyping
- RNA extraction
- Sensitivity Testing for Antibiotics
- HPLC
- SPECTROPHOTOMETER
- SSCP
- RFLP
- JICA Biochemistry Analyser
- Blood Gas Analyser
- Complete Blood Picture Analyser

- Backmen DNA Sequencer
- Laminar Flow Hood
- Biosafety Cabinet
- Twincubator
- LPA (Line Probe Assay)
- Real Time PCR
- FISH
- MRI
- CT-scan

Education:	Degree Name	Biosciences/Human Molecular Genetics
	Level Attained	MS/M. Phil
	Aggregate %	75.50 (3.27 CGPA)
	Institute	COMSATS Institute of Information Technology,
	Address	Islamabad, Pakistan
	Session	2008 - 2010
	Majors	<ul style="list-style-type: none"> • Advances in Microbiology • Advances in Molecular Biology • Research Techniques • Advances in Molecular Genetics • Molecular immunology • Report writing.
	Degree Name	Biochemistry
	Level Attained	Bachelors Degree (4 Years)
	Aggregate %	68.16 (3.08)
	Institute	Hazara University,
	Address	Mansehra, Pakistan
	Session	2003 - 2006
	Majors	<ul style="list-style-type: none"> • Introduction to Biochemistry • Organic Chemistry-I • Enzymology • Physical Chemistry • Microbial Biochemistry & Genetics • Intermediary Metabolism-I • Amino Acids & Proteins • Carbohydrates, Lipids & Membranes • Fundamentals of Molecular Biology • Organic Chemistry-II • Cell Biology • Intermediary Metabolism-II • Biochemistry of Body Fluids • Bio-Inorganic Chemistry • Genetics • Nutritional Biochemistry • Biochemical Techniques • Bioinformatics • Plant Biochemistry • Clinical Biochemistry • Molecular/Animal Physiology • Immuno-Chemistry • Recombinant DNA Technology • Fermentation Biotechnology • Biochemical Communication • Environmental Chemistry • Biochemistry of Pesticides • Nucleic Acids • Protein Chemistry • Plant Tissue & Cell Culture • Antimicrobial Agents &

Additional Info: **Bioinformatics SKILLS:**

- Microsoft Office including MS Word, MS Excel, MS PowerPoint and MS Access
- Hardware and Software Troubleshooting
- Networking and Programming Basics
- BLAST
- Primer designing using primer 3 software
- Ensembl
- String
- Stitch
- Autodock 4

Achievements:

- Organizer of 1st National conference of cultural and biological resources of Pakistan (**23-25 August, 2006**), organized by Hazara University, Mansehra at Bara Gali and present paper.
- Organize a debate on T.B awareness by the help of Mercy Corp.

Workshops & Courses:

- **Workshop on diagnosis of Fungal Infections in a clinical laboratory**, September, 2012.
- **Course on Laboratory Biosafety and Biosecurity**, October, 2012.

EXPERINCES :

- *Worked as Molecular Biologist in Influenza Lab, C.D.C project N.I.H, Islamabad, Pakistan.*
- Worked as Molecular Microbiologist in Shifa International Hospital Islamabad, Pakistan.
- Worked as Molecular Biologist in Human Molecular Genetics lab International Islamic University Islamabad, Pakistan.
- Worked as Visiting faculty in International Islamic University Islamabad and in Pakistan Institute of Medical Sciences.
- Worked in National Reference Lab for Poultry Diseases NRLPD, Pakistan (Avian Influenza Department) as research fellow for one year.
- Worked as Molecular Biologist in Human Molecular Genetics Lab CIIT, Islamabad, Pakistan for two years.
- Worked as Acting Quality control Manager in Gray's Pharmaceutical, Islamabad, Pakistan.
- Worked as Quality control and quality assurance officer in Gray's Pharmaceutical, Islamabad, Pakistan.
- Worked as Microbiologist in Clinical Diagnostic Lab for one year.
- Three month internship in Biochemistry lab of Children hospital of Pakistan Institute Of Medical Sciences Islamabad, Pakistan.

The undersigned is aware that, pursuant to art. 26 of Law 15/68, and Articles. 46 and 47 of Presidential Decree 445/2000, false statements, falsified acts and use of false acts are punishable under the Penal Code and special laws. Moreover, the undersigned authorizes the processing of personal data, in accordance with the provisions of Law 675/96 of 31 December 1996.



City ___Rawalpindi, on _20/07/2018

NAME (SIGNATURE)

List of Publications:

1. Ihtisham Bukhari, Mukhtiar Hassan, Niaz Muhammad, Farzana Gul, Sohail Ahmad, **Zubair Anwar**, Shandana Ali, Mustafa Abbakar Musa Adam, Zeba Gul Barki. **Frequency of Anencephaly in Hazara Division of Pakistan**. American Journal of Drug Delivery and Therapeutics, 2015/2/28
2. Asif Mir, Kumudesh Sritharan, Kirti Mittal, Nasim Vasli, Carolina Araujo, Talal Jamil, Muhammad Arshad Rafiq, **Zubair Anwar**, Anna Mikhailov, Sobiah Rauf, Huda Mahmood, Abdul Shakoor, Sabir Ali, Joyce So, Farooq Naeem, Muhammad Ayub, John B Vincent. **Truncation of the E3 ubiquitin ligase component FBXO31 causes non-syndromic autosomal recessive intellectual disability in a Pakistani family**. Human genetics, Springer Berlin Heidelberg.2014.
3. john.vincent, talal qazi, arshad rafiq, **Zubair Anwar**, ayyaz malik. **Phosphoserine Phosphatase (PSPH) Gene Mutation in an Intellectual Disability Family from Pakistan"** Clinical Genetics.2014.
4. **Zubair Anwar**¹, Naqsh-e-Zehra¹, Jabar Zaman Khan Khattak¹, **Epilepsy: Neurological disorder-A review**, (Asian Journal of Medical Sciences).2014
5. Hina Iqbal, Tayyba Sarfaraz, Farida Anjum, **Zubair Anwar**, and AsifMir,2011. **Identification of Missense Mutation (I12T) in the BSND Gene and Bioinformatics Analysis**. Journal of Biomedicine and Biotechnology Volume Article ID 304612, pp-11.
6. Syed Babar Jamal, **Zubair Anwar**, Rizwan Ullah Khan, Talal Jamil, Arshia Iram, Asif Mir,Muhammad Waqar and Jabar Zaman Khan Khattak . **Haplotype Analysis for DFNB4/PDS Locus in Hearing Impaired Families of Punjab (Pakistan)**. Current Research Journal of Biological Sciences 4(4): 407-413, 2012.
7. Shiraz Ahmad, Summera Tufail, **Zubair Anwar**, Hussain Mustatab Wahedi, Muhammad Abrar and Asif Mir .**Mapping of Genes Involved in Bardet-Biedl Syndrome (BBS) in Pakistani Population**.Current Research Journal of Biological Sciences 4(4): 513-518,2012.
8. Jabar Zaman Khan Khattak, Sobiah Rauf, **Zubair Anwar**, Hussain Mustatab Wahedi and Talal Jamil,2012.**Recent Advances in Genetic Engineering - A Review**.Current Research Journal of Biological Sciences,4(1):82-89.
9. Sobia Tabassum, **Zubair Anwar**, Jabar Zaman Khattak, Sidra Mahmood, Faiza Abdul Rashid Kha, Hina Javed, Muhammad Ashraf, Shahzad Hussain. **THE FUTURE OF BIOTECHNOLOGY IN PAKISTAN** (Journal of Asian Scientific Research)
10. Zahida Fatima, Muhammad Athar Khan, Mansur ud Din Ahmad, Abdul Ahad, **Zubair Anwar*** Muhammad Hassan Mushtaq and Altaf mahmood, 2012.**Lurking threat of bird flu from migratory and non migratory birds in and around Islamabad Capital Territory**.Pakistan African Journal of Biotechnology Vol. 11(54), pp. 11721-11723.
11. Ammara Farooq, Masood Rabbani, Khushi Muhammad, Zunaira Akram, Abdul Ahad, Zahida Fatima, Tahira Kamal and **Zubair Anwar***,2012.**Passive immunization in infectious bursal**

disease virus infected birds using chemically purified immune yolk immunoglobulins (IgY). African Journal of Microbiology Research Vol. 6(12), pp. 2993- 2998.

12. **Zubair Anwar**, Shahid Hussain, Syed Farhan Ahamad, Ayaz Ali Khan, Talal Jamil, Syed Mehmood Qadir, Adil Farooq Lodhi and Jabar Zaman Khan Khattak*,2012. **Prevalence of Hepatitis B detected through RT PCR in Khyber Pakhtunkhwa.** African Journal of Microbiology Research Vol. 6(15), pp. 3631-3634.
13. Rakhshinda Munir (Late), Umer Farooq, Zahida Fatima, Muhammad Afzal, **Zubair Anwar*** and Muhammad Jahangir,2011.**Sero-prevalence of Brucellosis in Bovines at Farms under Different Management Conditions.**British Journal of Dairy Sciences,2(3):35-39.
14. Mazhar ul Islam, **Zubair Anwar**, Sobia Tabassum, Siraj Ahmed Khan, Afia Chand Zeb, Muhammad Abrar, Khalid Usman Khattak and Jabar Zaman Khan Khattak,2012.**Plants of Ethno-Veterinary Uses of Tungalai Mountain Baffa Mansehra, Pakistan.** International Journal of Animal and Veterinary Advances,4(3):221-224.
15. Ghulam Abbas, Fida Hussain, **Zubair Anwar**, Jabar Zaman Khan Khattak, Muhammad Ishaque and Asmat ullah,2012.**Effects of Iron on the Wheat Crop (*Triticum aestivum* L.) by Uptake of Nitrogen, Phosphorus and Potassium.** Asian Journal of Agricultural Sciences,4(3):229-235.
16. Muhammad Qasim, Imran Najeeb, Majeeda Rasheed, Khawar Ali Shahzad, Abdul Ahad, Zahida Fatima and **Zubair Anwar***,2012.**Physico-chemical growth requirements and molecular characterization of indigenous Spirulina.**African Journal of Microbiology Research Vol. 6(11), pp. 2788-2792.
17. Zaigham Hasan, **Zubair Anwar**, Khalid Usman Khattak, Mazhar Islam, Rizwan Ullah Khan and Jabar Zaman Khan Khattak,2012.**Civic Pollution and Its Effect on Water Quality of River Toi at District Kohat, NWFP.**Research Journal of Environmental and Earth Sciences,4(3):334-339.
18. Jabar Zaman Khan Khattak, Asif Mir, **Zubair Anwar**, Hussain Mustatab wahedi, Ghulam Abbas, Haider Zaman Khan Khattak and Humaira Ismatullah,2011.**Concept of Halal Food and Biotechnology.**Advance Journal of Food Science and Technology,3(5):385-389.
19. **Zubair Anwar¹**, Mazhar Islam³, Anwar Khan⁴,Sumiya Aftab² ,Jabar Zaman Khan Khattak*¹**Solanum Nigrum as potent therapy (A Review)**(British Journal Of Pharmacology And Toxicology).
20. Sheikh Arslan Sehgal¹ , Adnan Tahir¹ , **Zubair Anwar¹**, Jabar Zaman Khan Khattak **Molecular Genetic Characterization Of Rust In Wheat Genotypes**, (Asian Journal of Agricultural Sciences)
21. Naveed Anwar, Syed Shahid Ali, **Zubair Anwar**, Jabar Zaman Khan Khattak, Abdul Jabbar, Tariq M. Ansari and Syed Sibtain Raza Naqvi, 2012. **Recycling of Automotive Lubricating Waste Oil and Its Quality Assessment for Environment-Friendly Use.** (Research Journal of Environmental and Earth Sciences)
22. Roohul-Amin, Syed Shahid Ali, **Zubair Anwar** and Jabar Zaman Khan Khattak, 2012. **Microbial Analysis of Drinking Water and Water Distribution System in New Urban Peshawar.** (Current Research Journal of Biological Sciences)

23. Laila Zafar, Asif Javed, Syed Shahid Ali, **Zubair Anwar** and Jabar Zaman Khan Khattak, 2012. **Potential of Waste Water Sludge as Environmental-Friendly Manure after UV-Treatment.** (Research Journal of Environmental and Earth Sciences)
24. Wajeeha Malik, Hajra Shahid, Rabeea Zafar, Zaheer Uddin , Zafar Wazir, **Zubair Anwar**, Jabar Zaman Khan Khattak and Syed Shahid Ali, 2012. **Role of Pakistan in Global Climate Change through Greenhouse Gas Emissions (GHGs).** (Research Journal of Environmental and Earth Sciences)
25. Shazia Erum, Safia Ahmed, **Zubair Anwar** and Jabar Zaman Khan Khattak, 2012. **Effect of Nutritional Requirement in the Medium for Growth and Decolorization of Textile Dye by Indigenous Fungal Isolates.** (Current Research Journal of Biological Sciences)
26. Irum Ghafoor, **Zubair Anwar**, Sobia Tabasum, Jabar Zaman Khan Khattak*, Nutritional, Medicinal And Pharmacological Properties Of Date Palm (Phoenix dactylifera L), (British Journal Of Pharmacology And Toxicology).
27. Syed Zaighum Abbass, Syed Shahid Ali, Jabar Zaman Khan Khattak and **Zubair Anwar**. **Clean Development Mechanism: Laterite as Supplementary Cementing Material (SCM) to Reduce Greenhouse Gas Emissions (GHGs).** (Research Journal of Applied Sciences, Engineering and Technology)
28. Shazia Erum^{1*}, Jabar Zaman Khan Khattak², **Zubair Anwar**, Estimation Of Contamination Load In The Wastewater Collected From Different Industries.
29. Amir Hamid, **Zubair Anwar**, Jabar Zaman Khan Khattak, Approach of Bioremediation in Olive Oil and Dairy Industry: A Review, (Research Journal of Applied Sciences, Engineering and Technology)
30. Ghulam Abbas¹ , Zafar Abbas¹ , Muhammad Aslam ¹, Muhammad Bakhsh Khokhar¹, **Zubair Anwar** ², Jabbar Zaman Khan Khattak², and Marghoob Amer³ , Nutrients Management For Cotton Leaf Curl Virus, Begonovirus (CLCV)_z (African Journal Of Microbiology Research).
31. Shazia Erum, Rehana Kausar, Safia Ahmed, **Zubair Anwar** and Jabar Zaman Khan Khattak, 2014. Effect of Enzyme Supplementation in Diet for the Growth of Channel Catfish. Current Research Journal of Biological Sciences, 6(3): 112-116.
32. M. Anjam Ali, Masood Qadir Waqar, Ghulam Abbas, M. Aslam Khan, Zafar Abbas, M. Bakhsh Khokhar, Zubair Aslam, **Zubair Anwar** and Jabar Zaman Khan Khattak, 2014. Comparative Performance of Wheat Seed Increasing %Age in Standing Cotton. I-Relay Cropping System of Cotton Based. Current Research Journal of Biological Sciences, 6(3): 141-144.
33. Zohra Bibi, **Zubair Anwar**, Jabar Zaman Khan Khattak* , Protective Effects of Sea Buckthorn (Hippophaea Rhamnoides), (British Journal Of Pharmacology And Toxicology).
34. Shekoh Waraich, Sobia Tabassum, **Zubair Anwar**, Saima Kalsoom, Jabar Zaman Khattak , Computational Studies of Diabetic Inhibitors by Protein Ligand Interactions. (Research Computational Chemistry).

35. Waqas khan¹, Mazhar-ul-Islam¹, Afia Chandzeb¹, **Zubair Anwar**², Ayesha Siddiqa¹, Muhammad Afzal¹, Muhammad Asif¹ and Fozia Bibi¹, Present Status of Moist Temperate Vegetation of Thandiani Forests, District Abbottabad. (International Journal of Biology and pharmacology)
36. Ayesha Siddiqa¹, Farzana Parveen¹, Athar Rafi², Mazhar -ul- Islam¹, Afia Chandzeb¹, Waqas Khan¹, **Zubair Anwar**, Fozia Bibi¹ and Khalid Usman, Rearing the culture of *Callosobruchus chinensis* and *C. maculatus* on five Pakistani chickpea varieties. (International Journal of Biology and pharmacology)
37. Farhan Ali, **Zubair Anwar**, Shahid Hussain, Jabar Zaman Khan Khattak, Lurking pervasiveness of HCV : A Molecular Advent (Virology Journal)