

PERSONAL PROFILE

SHUJAAT ALI

Father's name Mahama
 Date of Birth 14-06-1982
 Qualification MEd (Sci. Edu.), PhD (Biosciences)
 Passport Number YP1796331
 Domicile Ghanche (Gilgit-Baltistan) Pakistan
 CNIC No 71301-4788633-9
 Languages Known English, Urdu, German & Balti
 Currently Working as Visiting Lecturer (Biology)



ACADEMIC PROFILE

SNo	Degree/ Certificate	Major Subject (s)	Marks %age	Year of Passing	Board/ University
1	Ph. D (Thesis Write-up) (2020-2024)	Biological Sciences (Molecular Biology, Medical Parasitology)	76% (Course Work)	2021	K.I.U., Gilgit
2	M.Ed. Science Education (2019-2020)	Educational Research & Psychology	68%	2021	A.I.O.U., Islamabad
3	M.Phil. Animal Sciences (2015-2017)	Biotechnology, Microbiology & Genetic Engineering	79.6% (2 nd Position)	2020	K.I.U., Gilgit
4	GAT Subject	Zoology	67%	2020	N.T.S., Islamabad
5	B. Ed. Science Teaching (2009-2010)	Biology & Chemistry	67%	2011	K.I.U., Gilgit
6	B.S. 4-Year Zoology (2002-2006)	Microbiology & Molecular Biology	62%	2006	B.Z.U., Multan
7	FSc Pre-Medical (2000-2002)	Biology & Chemistry	49%	2002	B.I.S.E., Lahore
8	S.S.C. Science Group (1997-1999)	Biology & Chemistry	54%	1999	F.B.I.S.E., Islamabad

Graduation & Post- Graduation Level Subjects Teaching / Taught / Tutorship

<u>Subjects / Courses</u>	<u>Year</u>	<u>Tutorship/Taught to</u>
❖ Zoology (Cell and Molecular Biology, Animal Diversity & Physiology)	2012-2013	B.Sc. at Public School & College Skardu
❖ Microbiology (Lab Instructions)	2014-2016	M.Sc. & B.S. (Hon) at KIU
❖ Food & Nutrition (484) & Food Microbiology	2020- now	BA/BSc at AIOU, Islamabad

RESEARCH PUBLISHED / PRESENTED **IMPACT FACTOR: 2.741, CITATIONS: 9**

S. NO.	Authors, Year, Title of the research paper, journal name, publisher.	IF	Citations
1	Khushbukhat Khan, Muhammad Hassan Siddiqi, Shakoor Ali, Arif-Un-Nisa Naqvi, Shujaat Ali & Muhammad Farooq Sabar, (2020) Mitochondrial DNA control region variants analysis in Balti population of Gilgit-Baltistan, Pakistan, Meta Gene 23 (2020) 100630		3

2	Muhammad Umer Khan, Abdul Manan, Muhammad Tahir Ishaq, RaimaRehman, Atif Amin Baig, Rizwan Ahmed Kiani, Sajjad Ahmed Khan & Shujaat Ali (2019) Isolation and antibiogram of <i>Acinetobacterbauminnii</i> recovered from human clinical specimen in a tertiary care setting from Lahore, Pakistan, http://dx.doi.org/10.12692/ijb/15.5.587-593		
3	Shujaat Ali , Samyia Abrar & Saba Riaz (2017) <i>Citrobacter gillenii</i> strain SH2 16S ribosomal RNA gene, partial sequence GenBank: KY794640, NCBI, SILVA and ENA.		
4	Shujaat Ali , Samyia Abrar & Saba Riaz (2017) <i>Citrobacter gillenii</i> strain SH1 16S ribosomal RNA gene, partial sequence GenBank: KY784653, NCBI, SILVA and ENA.		
5	Salar Ali, Junfeng Gao, Farida Begum, Atta Rasool, Muhammad Ismail, Yongjiu Cai, Shaukat Ali & Shujaat Ali (2016) Health assessment using aqua-quality indicators of alpine streams (Khunjerab National Park), Gilgit, Pakistan, Environmental Science and Pollution Research, ISSN 0944-1344 , Environ Sci Pollut Res, Springer, "The final publication is available at link.springer.com" DOI : 10.1007/s11356-016-8186-8.	2.741	6
6	Maisoor Ahmed Nafees, Khalil Ahmed, Andrea Lami, Azhar Hussain, Shujaat Ali & Tika Khan (2016) Physico-chemical and microbial assessment of drinking water sources across world's largest glacial deposits in Karakoram Mountain Ranges, Pakistan, Nature and Science, <i>Nat Sci</i> 2016;14(11):92-96]. ISSN 15450740 (print); ISSN 2375-7167 (online). http://www.sciencepub.net/nature . DOI : 10.7537/marsnsj14111614.		
7	Shujaat Ali & Muhammad Raza (2014) Prevalence and physiological assessment of deafness in district Ghanche (Gilgit Baltistan), Pakistan (An audiometry based study) <i>Biologia (Pakistan)</i> 2014, 60 (1), 109-115, PKISSN 0006 – 3096 (Print) ISSN 2313 – 206X (On-Line), , Biological Society Of Pakistan, Biological Laboratories, GC University, Lahore, Pakistan, www.biosoc.pk		
8	Shujaat Ali(2014) Global Warming induced floods and Epidemiological Management for availability of safe drinking water using SODIS technology in Pakistan's CKNP regions, International Conference on Climate Change Impact and Adaptation, KIU Gilgit, Pakistan, 8 th and 9th April, 2014. (Abstract Presented)		

FIELDS OF INTEREST

Innovative Research Microbiology Biotechnology
Molecular Biology and Genetics Experimental Designing in Biology

THESES

1. PhD Thesis title “***Genetic Assessment of Pulmonary and Alimentary Microbiota of Model Experimental Animals Used in Bio-Medical Research***” 2022
2. M.Phil. Thesis entitled “***Isolation and Genetic Analysis of Common Pathogenic Bacteria in Drinking Water of Urban Areas of Gilgit Baltistan***” 2017.

INTERNSHIP

One research semester internship in Department of Microbiology and Molecular Genetics (MMG), PU, Lahore under the supervision of Dr. Saba Riaz, Assistant Professor of Medical Microbiology (October 2016 to March 2017).

DISTINCTIONS

1. Second Position in MPhil and identification **two bacterial strains** isolated from drinking water of Sadpara Nalah during M. Phil research (*Citrobacter gillenii* **Strain SH2** and **Strain SH1**) first ever discovery in GB using 16S rRNA gene sequencing.
2. Played important role in Environmental Protection Agency (**EPA**) **Certification** of Water Quality Laboratory (**WQL**), KIU, Gilgit
3. Pakistan's Best Hiker, 2005, BZU, Multan.

4. All Pakistan Inter University HEC Trekking Champion, 2005 & 2006, BZU, Multan.
5. **Gold Medalist** in Sports in 2006, BZU, Multan.
6. Awarded with **Presidential Rover Scout (PRS, 2007)** from Pakistan Boy Scout Association, first Zakarian to receive **PRS**.
7. Nominated by B.Z.U., Multan for **Best Player of the Year, 2006**.

TEACHING / RESEARCH EXPERIENCE

1. Serving as Trained Graduate Teacher (**TGT, BPS-16**) in Education Department, **Govt. of Gilgit-Baltistan, Pakistan (as a Subject Specialist Biology)** (15th February, 2017 to now).
2. Served as Part-time teacher in Zoology and Microbiologist, Department of Biological Sciences, Karakoram International University, Gilgit, Pakistan from July 2013 to February 2017.
3. Served as **Research Assistant** (on a project “**Birds of CKNP**” with **Prof. Dr. Aleem Khan**) Department of Biological Sciences, Karakoram International University, Gilgit, Pakistan from July 2013 to February 2015.
4. **Microbiologist** in Department of Biological Sciences, Karakoram International University, Gilgit, Pakistan from July 2015 to February 2017. (Water Quality Lab, KIU)
5. Served as Biology Teacher and VP, Noor-ul-Huda Public School & College Gilgit. July 2013-February 2017.
6. Served as **Senior Teacher/Lecturer** in Zoology (**at BSc level Courses of Punjab University, Lahore**), 2012 to 2013, **Public School & College** Skardu.
7. Served as **Biology Teacher**, 2011-2012, Baltistan Higher Secondary School Skardu.
8. Served as **QA Officer/Microbiologist**, 2010, Gourmet Foods Lahore 8. Served as **Microbiologist**, 2009, McOlson Research Laboratory Lahore.
9. Served as **Microbiologist**, 2008, Symans Pharmaceuticals (for Veterinary Medicine) Lahore
10. Served as **Asst. Microbiologist**, 2007, The Schazoo Laboratory Lahore.
11. Served as **Microbiologist**, 2007, Medipak Pharma Lahore.

ADMINISTRATIVE ASSIGNMENTS

1. Lead Trainer General Science for Gilgit-Baltistan on Single National Curriculum (SNC) 2021
2. In-charge, Science Laboratory, Govt. High School Surmo, Ghanche, Pakistan, (Feb. 2017 to now).
3. Group Scout Leader, Govt. High School Surmo, Ghanche, Pakistan (Feb. 2017 to now).
4. Organizer Students’ field trips aimed to explore different ecosystems of Pakistan.
5. Vice Principal at Noor-ul-Huda Public School & College Gilgit and Baltistan Public School & College Skardu, Pakistan.
6. Quality Assurance Officer, Gourmet Foods Lahore and McOlson Research Laboratory, Lahore.
7. Qualified Scout Leader (Scout Qualifications: **WB, PRS & BLT** (2003 to now)).

PROFESSIONAL TRAININGS / SYMPOSIA AND SEMINARS ATTENDED

1. Digital Literacy (2020), Creative Writing (2022) & Communications and Soft Skills (2022), Virtual University (VU), Pakistan
2. Advance Diploma in Bioengineering, An interface of Biology and Medicine, Alison, e-certification, 2022

3. Workshop on “**Identification of Sandfly and Diagnosis of Cutaneous Leishmaniasis**” National University of Medical Sciences (NUMS), Pakistan in collaboration with Ege University, Turkey is organizing a two-day hands-on on 25th and 26th January 2022
4. Training Course on “**Struture-based drug design: Towards new anti-infectives**” by COMSTEC Islamabad, Feb, 2022.
5. Microbial Arts Competition, MMG, PU, Lahore, 2017
6. On hand Training “Statistical Analysis”, MMG, PU, Lahore, 2017.
7. Lungs and Bronchial Diseases, CAMB, PU, Lahore, 2016.
8. 6 Core Skills of Teaching, British Council, 2017.
9. International Conference on Mountains and Climate Change (**ICMCC**), 17th to 19th September, 2015, KIU Gilgit, Pakistan.
10. Permafrost, KIU, GILGIT, 2015.
11. International Conference on Climate Change (**ICCC**) Impact and Adaptation, 8th and 9th April, 2014, KIU Gilgit, Pakistan (**Abstract Presented**)
12. **Laboratory Management System ‘LMS’ (ISO 17025/2005)**, 2008, IQTM, Punjab University Lahore
13. Environmental Management System ‘EMS’ (**ISO 14001/2004**), 2008, IQTM, Punjab University, Lahore.
14. Quality Management System ‘QMS’ (**ISO 9001/2000**), 2008, IQTM, Punjab University Lahore

COMPUTER SKILLS

Microsoft Office (MS-Word, Documentation, MS-Excel, Worksheet Accounting, MSPowerPoint, Presentation for Slide Show, Statistical Analysis Tools, Web Browsing & Software Installation, Bioinformatics (BLAST, gel documentation and DNA/RNA seq. analysis etc)

REFERENCES

1. Prof. Dr. Muhammad Ali, VC, Quid-e-Azam University, Islamabad, Pakistan
2. Dr. Maisoor Ahmed Nafees (KIU, Gilgit, Pakistan), HOD & Assist. Prof., Dept of Bio. Sciences.
3. Dr. Mehran Kausar (KIU, Gilgit, Pakistan), Assist. Prof., Dept of Bio. Sciences.