

Dr. Komal Aman

D/O Muhammad Aman

Personal Details:

Nationality: PAKISTANI

Date of Birth: 17.10.1990

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ACADEMIC QUALIFICATION

Qualification	Board/University	CGPA/MARKS
Ph.D. (Biotechnology)	University of Peshawar	3.9 CGPA
BS Biotechnology	University of Peshawar	3.6 CGPA
F.SC (Pre-Medical)	B.I.S.E Peshawar	872/1100
SSC (Science)	B.I.S.E Peshawar	718/1050

OBJECTIVES

I'm looking forward to work in challenging environments where I could use all my skills and could learn something new. I am a PhD degree holder so preferably I'm looking for learning something new and could do the practical and research work as well, in order to implement all what I have studied up till now because I believe Text Books and Practical life are two different things.

PROFESSIONAL EXPERIANCE

Lecturer (BPS)	Women University Mardan	Sep 2023 till date
Assistant Professor	Abasyn University Peshawar	Nov 2020 till Aug 2023
Lecturer	Abasyn University Peshawar	Sep 2017 till Nov 2020
Mphil Coordinator	Abasyn University Peshawar	Sep 2021 till Sep 2023
Training by NFDP	Interim Placement of Fresh PhDs	2021

PHD AND BS RESEARCH WORK

PhD Research work: Role of helicobacter pylori in gastric cancer, its diagnosis through non-invasion and mutational analysis in patients of Khyber pakhtunkhwa, Pakistan.

B.s Biotechnology Research work: Isolation and identification of copper resistant bacteria from different sources.

SUPERVISED SCHOLOR

➤ Supervised M.Phil Scholars in research work as well as thesis and publication write-up.

➤ 13 students completed Master of Philosophy (M.Phil.) and 12 students are working under my supervision

➤ 1 student completed M.Phil under my Co-supervision working on infectious.

M.PHIL SCHOLORS BEING SUPERVISED

S.no.	Name	Research Title	Status
1	Madiha Badshah	Prevalence and Antimicrobial Susceptibility Pattern of ESBL Producing and non-producing <i>Pseudomonas aeruginosa</i> in Tertiary Care Hospitals of Peshawar	Degree Completed
2	Abdur Rehman	Antibiogram Profiling of Fresh, Boil and Sterile Milk Samples in District North Waziristan	Degree Completed
3	Taharat Ali	Prevalence and characterization of Carbapenem resistant and Extended Spectrum Beta Lactamases and Metallo Beta Lectamases producing Salmonella Typhi from blood isolates in Hospitalized patients of Peshawar	Degree Completed
4	Sobia	Phytochemical Screening and Antibacterial potential of Oxalis corniculata Plant Extract against Multi Drug Resistant Uropathogenic Escherichia coli	Degree Completed
5	Sarfaraz Ali	Non-invasive Diagnosis of Helicobacter pylori infection in salivary secretions by Polymerase Chain Reaction	Degree Completed
6	Adil Khan	Antimicrobial Potential of Syzygium Aromaticum bud extract against <i>Helicobacter pylori</i> and <i>Salmonella typhi</i>	Degree Completed
7	Kamran Khan	Effect of COVID-19 Inflammatory Markers on Renal Function	Degree Completed
8	Nihal Ahmad	Prevalence and Characterization of drug resistant Bacteria isolated from ICU patients in Tertiary Care Hospitals, Peshawar	Degree Completed
9	Saeed Ahmad Zeb (Co-supervision)	Antibiotic sensitivity profile of bacterial community acquired pneumonia and its quantitative correlation with C-reactive protein in hospitalized children of district Peshawar	Degree Completed
10	Muhammad Ismail	Green Synthesis and Characterization of Silver Nanoparticles using Opuntia Ficus Indica and its Antibacterial Efficacy towards Uropathogenic	Degree Completed

		Escherichia Coli and Stapylococcus aureus	
11	Abdul Razaq	Effect of Allium sativum Containing Feed on Bacterial Load and Antibiotic Resistance Profile isolated from Broiler Chicken	Degree Completed
12	Waqar Abdul Karim	Screening of Pathogenic Bacteria and their Antibiogram Profile in Platelets Concentrates obtained through Apheresis and Centrifugation	Degree Completed
13	Haroon Ahmed	Combinatorial effect of Juglans regia and Salvadora percia extracts with antibiotics against Escherichia coli and Staphylococcus aureus isolated from oral cavity	Degree Completed

RESEARCH PAPERS

- Exploration of gastric ulcer in the people of rural area of Peshawar/KPK through enzyme linked immunosorbent assay. IJB
- PCR based identification of Helicobacter pylori infection in saliva samples. IJB
- Anti-tuberculous, phytotoxic and insecticidal activities of secondary metabolites obtained from aspergillus and penicillium species isolated from soil
- In Vitro Biomedical and Photo-Catalytic Application of Bio-Inspired Zingiber officinale Mediated Silver Nanoparticles
- Innate Immune-mediated Antiviral Response to SARS-CoV-2 and Convalescent sera a potential Prophylactic and Therapeutic Agent to Tackle COVID-19
- Comparative analysis of various sources of selenium on the growth performance and antioxidant status in broilers under heat stress
- Anti-hyperglycemic and anti-hyperlipidemic effects of a methanolic extract of *Debregeasia salicifolia* in Alloxan-induced diabetic albino mice
- Exploitation of *aspergillus fumigatus* secondary metabolites and silver nanoparticles coated crude extract against pathogenic bacteria isolated from surgical wound infection
- Phycoremediation of industrial wastewater using *Vaucheria debaryana* and *Cladophora glomerata*
- Microbial profile and nutritional evaluation of broiler and domestic chicken meat from selected districts of Khyber Pakhtunkhwa, Pakistan
- An alarming scenario in developing world: A looming of viral outbreaks
- Biosynthesis of Antimicrobial Silver Nanoparticles against Gram-Negative and Gram-positive Bacteria by the Entophytic Fungus *Aspergillus Fumigatus*

SUBJECT STUDIED

Bio-Technology
Genetics/Genetic
Engineering
Cell Biology
Bio-Informatics
Immunology
Environmental

Sciences
Biochemical
Engineering
Animal/Plant
Biotechnology
Environmental
Biotechnology

SUBJECT TAUGHT

Immunology
Infectious disease
diagnostics
Environmental
Biotechnology
Environmental
Biotechnology
Veterinary Microbiology
Soil Microbiology
Molecular Biology
Tissue Culture
Food and Dairy
Microbiology

COMPUTER SKILLS

Microsoft Word processing, Microsoft Windows
Introduction to Microsoft Excel, Microsoft PowerPoint
Well experience in Internet applications, LMS (Module)

SEMINARS, CONFERENCES ATTENDED AND CERTIFICATES OF APPRECIATIONS

October 25,2016 One day biosafety and biosecurity training workshop for researchers at university of Peshawar.

February 04,2016 One day workshop on informatics for writing manuscript at university of Peshawar.

APRIL 09,2013 One day seminar participation in NAYS science forum at university of Peshawar.

November 28, 2012 One day Thalassemia awareness workshop at Peshawar medical college.

December 04,2012 One day seminar on cancer at university of Peshawar.

3rd Abasyn International Conference of Technology and Management Sciences (Aictbm)) March 2018

4th Abasyn International Conference of Technology and Management Sciences (Aictbm)) 2019

Certificates and awards of appreciations for holding 1st, 2nd and 3rd positions in B.sc Hons.

Certificate of achievement by National Faculty Development Program (NFDP)
2021

ABOUT ME

I am Quick learner, Self-Starter, Eager personality, Strong Analytical, Interpersonal & Communication skills. I am friendly, honest, reliable, responsible person with “can do” attitude; believe in leading by example and appreciating good work & efforts.

Hobbies *Include Internet, Reading, Touring, Movies, Music and Socializing with friends in spare time.*

REFERENCES

Dr Bashir Ahmad Meritorious professor Vice Chancellor Bacha Khan University
Charsadda