

Name:	DR. KAFEEL AHMAD		
Personal:	Designation: Associate Professor (BPS)		
	Qualification: PhD (UK) Specialization: Molecular Biology, Biotechnology, Molecular Pharming, Metabolic Engineering, Bio-manufacturing, Recombinant Products and Vaccines		
Job Experience:	Title		Institution
	Associate Professor (BPS-20)		Centre of Biotechnology and Microbiology, University of Peshawar
	Assistant Professor (BPS-19)		Centre of Biotechnology and Microbiology, University of Peshawar
	Post-PhD researcher		Department of Biology, University of Leicester, UK
	Teaching Assistant		Department of Biology, University of Leicester, UK
	Agricultural Officer (BPS-17)		Agricultural Extension Department, Khyber Pakhtunkhwa, Pakistan
Administrative Experience	Date	Title	
	2020- 2021	Chief Proctor, University of Peshawar, Pakistan	
	2021- 2022	Examinations In-charge/Coordinator, Centre of biotechnology and Microbiology, University of Peshawar, Pakistan	
Honors and Awards:	1. <b>Charles Wallace Award</b> , United Kingdom 2. <b>Leche Award</b> , United Kingdom 3. <b>Foreign PhD scholarship</b> from University of Peshawar, Pakistan 4. <b>Indigenous PhD scholarship</b> from HEC, Pakistan (not availed) 5. <b>Fifth position</b> in PCS examination (Khyber Pakhtunkhwa) 6. <b>Certificate of Distinction</b> in M. Phil (Biotechnology), First Position 7. <b>HEC Pakistan talent scholarship</b> for M. Phil 8. <b>Certificate of Distinction</b> (First position) in M. Phil (part-1) 9. <b>Bronze Medal</b> in B.Sc. (Honours) 10. <b>First Position</b> in B.Sc. (honours) Final Examination		
Memberships:	Member of various academic and administrative bodies/committees within and across universities		
Reviewer of National and International journals	Reviewer of Numerous National and International Journals		
Student supervision	Degree	Completed	In Progress

(Graduate Students, Honour students, M. Phil Students, PhD students)	PhD	7	3	
	M. Phil	25	4	
	BS Honours (Biotechnology)	14	-	
	BS Honours (Microbiology)	12	-	
Teaching experience:	Subjects		Level/Class	
	1. Introductory Biotechnology		BS	
	2. Recombinant DNA Technology		BS	
	3. Gene Therapy		BS	
	4. Genetic Engineering		M. Phil/PhD	
	5. Agricultural Biotechnology		BS	
	6. Plant tissue culture and its applications in agro-forestry		M. Phil/PhD	
	7. Molecular Farming		M. Phil/PhD	
	8. Novel Plant Production		M. Phil/PhD	
	9. Plant Biotechnology		BS	
	10. Plant pathology		BS	
	11. Microbial Physiology		BS	
	12. Plant Physiology		BS	
	13. Molecular Mechanisms of Antimicrobial Agents		BS	
	14. Bacterial Genetics		BS	
	15. Genetic Engineering		BS	
Courses Designed	Course		Level	
	Molecular Pharming		MPhil/PhD	
	Genetic Engineering		MPhil/PhD	
	Protein Expression		MPhil/PhD	
	CRISPR Gene Editing Technology		MPhil/PhD	
	Plant Based Vaccines		MPhil/PhD	
	Gene therapy		BS	
	Introduction to Molecular Pharming		BS	
Brief Statement of Research Interests:	Molecular Biology, Biotechnology, Molecular Pharming, Synthetic Biology, Genetic Circuits, Metabolic Engineering, Microbial Molecular Biology, Recombinant products and vaccines			
Publications:	Total HEC Recognised Publications : 47			
Conference Presentations/Publications/Abstracts	Total No: 10			
Research and Supervision Grants	Date (Approved)	Title	Agency/ Organization	Total Award Amount
	2022	Studies on DNA fingerprinting of important Pakistani	Annual Developmental Program,	PKR 80 million

		timbers for their identification and illegal trafficking control (Pakistan Forest Institute, Peshawar) ( Co-investigator)	Government of Khyber Pakhtunkhwa, Pakistan	
	<b>2017</b>	Contributed towards Mega PC-1 26.01.2017 project “Provision of Academic and R & D Facilities to Improve National/ International Ranking of the University of Peshawar”	Higher Education Commission, Pakistan	PKR 15.5 Million (approved component)
	<b>2013</b>	RAPD typing of <i>Staphylococcus aureus</i> strains collected from selected hospitals of Peshawar, Pakistan	Directorate of Science and Technology, GOVT of Khyber Pakhtunkhwa, Peshawar, Pakistan	PKR 0.5 million
<b>Selected Professional Presentations</b>	<ol style="list-style-type: none"> <li>1. Invited lecture on “ Techniques for DNA Extraction, Purification and Separation I”, Pakistan Forest Institute Peshawar, (February, 2024)</li> <li>2. Invited lecture on “ Techniques for DNA Extraction, Purification and Separation II”, Pakistan Forest Institute Peshawar, (February, 2024)</li> <li>3. Lecture on “Gel Electrophoresis for DNA Analysis: Size Estimation and Quantification” Pakistan Forest Institute Peshawar, (February, 2024)</li> <li>4. Practical session: DNA Isolation: Hands-on demonstration I Pakistan Forest Institute Peshawar, (February, 2024)</li> <li>5. Practical session: DNA Isolation: Hands-on demonstration II Pakistan Forest Institute Peshawar, (February, 2024)</li> <li>6. Practical session: Gel Electrophoresis for DNA Analysis: Size Estimation and Quantification</li> <li>7. Invited lecture on “Role of Biotechnology in Agriculture”, Sarhad University, Peshawar, Pakistan (23/02/2013)</li> <li>8. Lecture on “Gel Electrophoresis”, Centre of Biotechnology and Microbiology, University of Peshawar, Pakistan (24/04/2014)</li> <li>9. Lecture on “Polymerase Chain Reaction”, Centre of Biotechnology and Microbiology, University of Peshawar, Pakistan (26/04/2014)</li> </ol>			