

CURRICULUM VITAE

Carrier objectives

Committed to impart best of knowledge and skills to students & community by advancement in the Field of Microbiology.

Personal Information

Name Dr. Mubashar Aziz
Father's Name Sheikh Abdul Aziz
Date of Birth 12th Aug. 1979
C.N.I.C Number 32302-8756153-1
Religion Muslim
Marital Status Married



Academic Qualification

Degree	Institution	Degree awarded (year)
Ph. D (Microbiology)	University of Karachi	2013
M. Phil (Microbiology)	(University of Karachi) converted to Ph.D.	2008
DVM	University of Veterinary And Animal Sciences Lahore.	2003

Current Position

Title of Job	Institution	Subject/Discipline
Associate Professor / Chairman	Department of Microbiology & Molecular Genetics Bahauddin Zakariya University, Multan, Pakistan.	Microbiology

S. No.	Authors	Title of Publication	Journal Name	Year	Volume/ Issue	Page No.	International / National	Impact factor
01	Khalid, K., Zahra, A., Amara, U., Khalid, M., Hanif, M., Aziz, M., ... & Abbas,	Titanium doped cobalt ferrite fabricated graphene oxide nanocomposite for efficient photocatalytic and antibacterial activities. <i>Chemosphere</i>	<i>Chemosphere</i>	2023		338		7.086
02	Abid, H. M. U., Hanif, M., Mahmood, K., Aziz, M., Abbas, G., & Latif, H.	Wound-Healing and Antibacterial Activity of the Quercetin–4- Formyl Phenyl Boronic Acid Complex against Bacterial Pathogens of Diabetic Foot Ulcer	<i>ACS omega.</i>	2022	7	24415–24422	International	4.132
03	Saeed, M.Q., Aziz, M., Afzal, R.K., Hussain, A., Manzoor, H., Rasul, S., Ruby, T., Akrem, A., Masud, S., Arshad, A. and Latif, A	Antibiograms of Gut Flora of Poultry Farms Workers Reveal Higher Resistance Levels as Compared to non-Workers.	<i>Infection and Drug Resistance</i>	2022		7699-7705.	International	4.02
04	Soomro, T., R. Soomro, S. Urooj, I. Ahmed Shaikh, and Y. Raza., Aziz, M.	Microbial-assessment-of-spices-available-in-different-markets-ofkarachi-pakistan-a-food-quality-index-assessment-approach	<i>Journal of Food Science & Nutrition</i>	2022	8 (146)	2	International	
05	Hanif, M., Ameer, N., Ahmad, Q. U. A., Aziz, M., Mahmood,	Improved solubility and corneal permeation of PEGylated curcumin complex used for the treatment of	<i>PloS one</i>	2022	17(4)	e0258355	International	3.752

	K., Ramzan, N., & Abdur Rahman, H. M.	ophthalmic bacterial infections						
06	Ramzan, N., Ranjha, N.M., Hanif, M., Bashir, Z., Mahmood, K., Rehman, S., Latif, H., Ameer, N., Aziz, M. and Abbas, G	Interpenetrating network of gelatin/acrylamide: a binary approach for sustained release and anti-ulcerent effect of RNT	<i>Polymer Bulletin</i>	2022	79(7)	5569-5585.	International	2.843
07	Arshad, M., T. Ruby, M. I. Shahzad, Q. Alvi, M. Aziz, S. Sahar, R. Amjad et al	. An antimicrobial activity of oil extracted from Saara hardwickii	<i>Brazilian Journal of Biology</i>	2022	84	1-7	International	1.561
08	Hussain, A., Kousar, S., Ullah, I., Zulfiqar, A., Ali, H.A., Manzoor, A., Aziz, A., Javaid, A., Aziz, M., Khaliq, B. and Nazir, H	Investigations on Acinetophage, QAB 3.4, Targeting Extensively Drug-Resistant Acinetobacter baumannii Isolates.	<i>Infection and Drug Resistance</i>	2021	14.	4261	International	4
09	Nazir, H., Aziz, M., Mirani, Z.A., Sheikh, A.S., Saeed, M.Q., Khan, A.A., Ruby, T. and Rauf, N	Correlation between antibiotic resistance and phylogenetic types among multidrug-resistant Escherichia coli isolated from urinary tract infections	<i>Iranian Journal Basic Medical Sciences,</i>	2021	24(3),	400-406	International	2.699
10	Mirani, Z.A., Urooj, S., Zeesahn, F., Khan, M.N., Aziz M , I.A. and Khan, A.B	Role of phenotypic switching in stability and persistence of Pseudomonas aeruginosa biofilms	<i>Journal of Microbiology and Infectious Diseases</i>	2020	10(01)	10-17	International	
11	Aziz, M., Garduno, R., Mirani, Z.A., Baqai, R., Sheikh, A.S., Nazir, H., Raza, Y.,	Determination of antimicrobial effect of protamine by transmission electron microscopy and SDS PAGE on	<i>Iranian Journal Basic Medical Sciences,</i>	2019	22(7)	827-832	International	2.699

	Ayaz, M. and Kazmi, S.U	<i>Pseudomonas aeruginosa</i> isolates from diabetic foot infection						
12	Mirani ZA, Siddiqui A, Aziz M , Na Ahmed A, I	Ascorbic acid augments colony spreading by reducing biofilm formation of methicillin-resistant <i>Staphylococcus aureus</i> .	Iranian Journal of Basic Medical Sciences	2018	21(2)	175-180	International	2.699
13	Ali Mirani, Z., Fatima, A., Urooj, S., Aziz M. , Khan, M., & Abbas, T.	Relationship of cell surface hydrophobicity with biofilm formation and growth rate: A study on <i>Pseudomonas aeruginosa</i> , <i>Staphylococcus aureus</i> , and <i>Escherichia coli</i>	<i>Iranian Journal of Basic Medical Sciences</i>	2018	21(7)	760-769	International	2.699
14	Kiran S, Waheed A, Khan AA, Aziz M , Ayaz MM, et al.	Differentiation of Human and Migratory Water Fowl by Multiplex <i>Escherichia</i> Differential Amplification Technique (MECDAT) in South Punjab, Pakistan	Journal of Tropical Diseases	2018	6(2)		International	
15	Abbas G , Hanif M, Rasul A, Sajid Khan M, Muhammad Naeem M, Nasir B and AZIZ M	Box-behnken design: a statistical approach to evaluate the effect of crosslinked carboxymethyl cellulose and sodium starch glycolate on release kinetics of drug	<i>Acta Poloniae Pharmaceutica</i>	2018	75(4)	965-975	International	0.447
16	Manzoor, S., Aziz M. , & Sheikh, A. S.	Identification and Characterization of <i>Candida</i> on CHROMAgar™ in Pregnant Women of Multan. <i>Pakistan</i> .	Journal of Women's Health Care	2018	7(424)	, 2167-0420	International	
17	Ahmad M., Aziz M , Tunio MT, Rehman R, Abdul Rehman	Seroprevalence of hemorrhagic septicemia in buffalo and cattle in flood, irrigated and sandy areas of Punjab, Pakistan	Applied and Pure Biology	2018			National (Y category)	

	A, Rehman K, Hameed A , Naveed T, Tanveer M a Ali M							
18	Sheikh, A. S., Aziz, M., & Ayaz, M.	Rising trends of multidrug resistant (MDR) tuberculosis in Pakistan.	<i>Biomedical Jour</i>	2018	1	4	International	
19	Aziz, M., Baqai R, Kazmi SU, Sheikh A.S,	Biofilm formation capability of bacteria, a threat to treat multi drug resistant diabetic foot infection isolates.	. Pakistan Journal of Pharmaceutic Research	2017	3(2),	77-83	National	
20	Mirani, Z. A Naz, S., Kha F., Aziz, M., Khan, M. N., & Khan, S.	Antibacterial fatty acids destabilize hydrophobic and multi cellular aggregates of biofilm in <i>S. aureus</i>	The Journal o Antibiotics	2017	70	115- 121	International	2.649
21	Ismail, A., Riaz, M., Akhtar, S., Yoo, S. H., Park, S., Abid, Aziz, M., ... & Ahmad, Z. az	Seasonal variation of aflatoxin B1 content in dairy feed.	Journal of Animal and Feed Science	2017	26(1)	33-37	International	1.525
22	Muhamma d Mazhar Ayaz,M.M ., Nazir,M.M	Caulleryiosis; an uncommon Protozoan induced diarrhea in a Bull; First Report in Vertebrate host by	Transylvanian Review	2017	XXV (19	4935- 38	International	0.045

	., Aziz,M. , Ali,M.A., Khosha,M. A., Sheikh A.S., Mahmood ,N.,	<i>Caullerya mesnili</i>						
23	Hanif, M., Jabbar, F., Sharif, S., Abbas, G., Farooq, A., & Aziz, M	Halloysite nanotubes as a new drug-delivery system: a review	Clay Minerals	2016	51(3),	469-477	International	1.478
24	Ayaz,M.M, Khan,M.J, Aziz,M , Ahmad,M, Akhter,M.S, Khosha,M.A, Asad Ali Khan,A.A	Evaluation of single slide fecal samples of zoo animals through micro floatation technique.	Proceeding Pakistan Congress of Zoology	2016	36	PPCZ-2	National	
25	Raza, M. A., Ayaz, M. M. Nazir, M. M., Akhtar, M. S., Aziz, M. , Murtaza, S., &Khosha, M. AZ	Cross-sectional survey of helminthiasis in buffaloes at Tehsil Jatoi and Tehsil Muzaffargarh, Southern Punjab, Pakistan.	Buffalo Bulletin	2016	35(1)	39	International	0.27

26	Ayaz, M. M. Aziz, M. , Birmani, N. B. A., Akhta S., Khosa, M A., Zheng, Y ... &Somro, H.	Emergence of Resistance against Flukicides in Sheep under Field Conditions.	Acta Bioethica	2016	22(1)		International	0.49
27	Hasan, N., Chaiharn, M Toor, U.A., Mirani, Z.A. Sajjad, G., Sher, N., Az M. and Siddiqui, F.A	Development, Validation and Application of RP-HPLC Method: Simultaneous Determination of Antihistamine and Preservatives with Paracetamol in Liquid Formulations and Human Serum.	The Open Medicinal Chemistry Journal	2016	33	10	International	
28	Mirani, Z. A Aziz, M. , & Khan, S. I.	Small colony variants have a major role in tability and persistence of <i>Staphylococcus</i> <i>aureus</i> biofilms.	The Journal o antibiotics	2015	68(2),	98- 105	International	2.649
29	Ayaz, M. M., Nazir, M. M., Lashari, M. H., Akhtar, S., Khosa, M. A., Aziz , M. , &	Recovery of Schistosoma haematobium ovum from Labeo rohita: first report from Pakistan	Tropical biomedicine	2015	32(3)	399- 401	International	0.623

	Haider, S.							
30	Qureshi, J., Ijaz, H., Sethi, A. Zaman, M., Bashir, I., Hanif, M., ... & Azis, M	Formulation and in vitro characterization of sustained release matrix tablets of metoprolol tartrate using synthetic and natural polymers.	Latin American Journal of Pharmacy	2014	33(9)	1533- 39	International	0.249
31	Akhtar, M. S Lodhi, L. A. Ayaz, M. M. Lashari, M. H., Ahma I., Aziz, M., ... Muhammad, S. A.	Dose dependent effect of prostaglandin analogue in double injection regimen for estrus synchronization in goats.	Wayamba Journal of Animal Science	2014	6	1065- 69	International	
32	Mirani, Z. A Aziz, M., Khan, M. N. Lal, I., ul Hassan, N., & Khan, S. I.	Biofilm formation and dispersal of Staphylococcus aureus under the influence of oxacillin. Microbial pathogenesis.	Microbial pathogenesis	2013	61	66-72	International	3.738

33	Mirani, Z. A Khan, M. N. Aziz, M., Na S., & Khan, S. I.	Effect of stress on biofilm formation by icaA positive and negative strains of methicillin resistant Staphylococcus aureus.	Journal of the College of Physicians and Surgeons-- Pakistan: JCPSP.	2012	22(1)	10-14	National	0.73
34	Baqai, R., Memon, M. R., & Khan, M. K.,	Biofilm formation and isolation of Staphylococcus aureus from blood cultures of dental patients undergoing oral surgical procedures.	Journal of Pakistan Dental Association	2011	20(03)		National	H.E.C approved
35	Akhter, T., BAQAI, R., & Aziz M.	Antibacterial effect of NSAIDS on clinical isolates of urinary tract infection and diabetic foot infection.	Pakistan journal of pharmaceutical sciences	2010	23(1)		International	0.684
36	Baqai, R., Aziz M., & Rasool, G. (). Infect. Dis. J. Pak, .	Urinary tract infection in diabetic patients and biofilm formation of uropathogens.	Infectious disease journal of Pakistan	2008	17(1),	21-24	National	H.E.C approved
37	Mirani, Z. A., Khan, M. N., Aziz, M., Sahir, K. H., & Khana, S. I.	Spices mix induce biofilm mode of growth in <i>E. Coli</i> ” in Pakistan.	Journal of Scientific and Industrial Research	2012	55(1),	30-34	National (X category)	

Publications

Total publications: 37

Publication impact factor= 53

Workshops/Seminars

S. No	Title of workshop	University/ Institute	Date	International/ National	Attended/ Resource Person
1	1 st Hands on training/ workshop on General Microbiological techniques (GMT-01)	Bahauddin Zakariya University, Multan	March 4-5, 2017	National	Resource Person
2	PSM-Health Security Partners workshop Antimicrobial Resistance (AMR) challenges and infection control	Bahauddin Zakariya University, Multan	18 th to 20 December, 2017, Pre- conference workshop	International	Attended

3	WHO-CHK training workshop on Biosafety in public health laboratories in the Eastern Mediterranean region	Bahauddin Zakariya University, Multan	18 th to 20 December, 2017, Pre- conference Workshop	International	Attended
4	ASM-AEIRC workshop on Research Ethics & Integrity	Bahauddin Zakariya University, Multan	18 th to 20 December, 2017, Pre- conference workshop	International	Attended
5	Three days workshop on “ Basic bioinformatics”	Bahauddin Zakariya University, Multan	19 th to 21 st April 2016	National	Attended
6	Biosafety Workshop	University of Veterinary & Animal	18-20 December,	International	Attended

		Sciences, Lahore, Pakistan	2014		
7	Workshop on End Note-1 click Solution for researchers	ASM-Bio Resource Center, Bahauddin Zakariya University, Multan	2014	National	Attended
8	Seminar on Emerging infectious diseases and diagnostics	Bahauddin Zakariya University, Multan	February 12,2014	National	Attended
9	Seminar on Food safety and health challenges and solutions	Bahauddin Zakariya University, Multan	11 th June, 2014	National	Attended

Paper / Poster presentation in Conferences/ Conference attended

S.No	Title of	Venue	Year &	Topic of	International	Oral
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	Conference		Date	presentation	/ National	presentation / poster presentation
1	Applied Microbial genomics in public health, food, pharma and agriculture	Bahauddin Zakariya University Multan	December, 18-20, 20-17	Study on microbial synergy pattern in a mouse model of type 2 diabetes	11 th International Biennial conference of Pakistan society for Microbiology	Oral presentation
2	Safe food for all	Bahauddin Zakariya University Multan	March, 2-3, 2017	Prevalence of <i>mycoplasma gallisepticum</i> infection and its impact on broiler meat quality	3 rd International conference	poster presentation
3	Applied Microbial genomics in public health, food, pharma and agriculture	Bahauddin Zakariya University Multan	December, 18-20, 20-17	Ascorbic acid augments colony spreading by reducing biofilm formation of methicilline resistant <i>staphylococcus aureus</i>	11 th International Biennial conference of Pakistan society for Microbiology	Oral presentation
4	Safe food for all	Bahauddin Zakariya University Multan	March, 2-3, 2017	Multidrug resistant <i>Staphylococci</i> in commercially processed food, a	3 rd International conference	Oral presentation

				threat to public Health		
5	Applied Microbial genomics in public health, food, pharma and agriculture	Bahauddin Zakariya University Multan	December, 18-20, 20-17	Microbiological quality of drinking water and antimicrobial resistance patterns Of enteric and fermentive pathogens	11 th International Biennial conference of Pakistan society for Microbiology	Oral Presentation
6	Safe food for all	Bahauddin Zakariya University Multan	March, 2-3, 2017	Antibiotic resistance pattern of <i>Salmonella</i> species isolated from raw and processed eggs from poultry farms and markets in Multan region	3 rd International conference	Poster Presentation
7	Applied Microbial genomics in public health, food, pharma and agriculture	Bahauddin Zakariya University Multan	December, 18-20, 2017	HPLC-UV method for determination of curcumin eye drops used for fungal keratitis	11 th International Biennial conference of Pakistan society for Microbiology	poster presentation
8	One world one Health	Nishtar Medical College & Hospital , Multan	March 10, 11, 2017		14 th Annual conference of Medical Microbiology & infectious	Attended

					diseases Society of Pakistan	
9	Recent trends in Microbiology	Department of Microbiology, Abbotabad University of Science & Technology, Havelian, Pakistan.	19 th to 21 st December, 2016	Microbial antibiotic resistance and epidemiology of foot infection in type II diabetic patients in Pakistan	1 st National conference	Oral Presentation
10	Conference on Malnutrition “Malnutrition kills Can we see the writing on the Wall? & Food Expo 2016	Bahauddin Zakariya University, Multan	on 07-08 April, 2016	Detection of <i>Campylobacter Jejuni</i> and <i>Campylobacter Coli</i> , virulence genes from poultry and fomites from two cities of Punjab	Two days International conference	poster presentation
	Conference on Zoonoses,	Bahauddin Zakariya University Multan, Pakistan	October, 20 to 21, 2016	Sero prevalence of <i>toxoplasma gondii</i> in slaughter house workers and cattle in Lahore, Pakistan	2 nd International	Attended
11	International	Expo	16 to 17 th		International	Attended

	livestock,Dairy and Poultry Congress 2016	Centre Lahore, Pakistan	March, 2016			
12	Malnutrition in South Asia: The peril persist & Food Expo	Bahauddin Zakariya University Multan	February 23-24,2015		Two days International conference	Attended
13	Conference on Zoonoses,	Bahauddin Zakariya University Multan, Pakistan	October, 16-17 2014	Sero prevalence of <i>toxoplasma gondii</i> in slaughter house workers and cattle in Lahore, Pakistan	1st International	Poster presentation
14	Conference on Zoonoses	Bahauddin Zakariya University Multan, Pakistan	October, 16-17 2014	Organic broiler production, an objective to diminish food borne zoonoses	1st International	Poster presentation
15	Conference on Zoonoses	Bahauddin Zakariya University Multan, Pakistan	October, 16-17 2014	Prevalence of <i>campylobacter</i> in raw bovine milk collected from district Multan	1st International	Poster presentation
16	Decade of diabetes care: in low resource and under-served communities	Baqai medical University, Karachi	February, 29, 2006	Bacterial infection of foot in type – II Diabetic patients and Therapeutic Intervention	International diabetes conference	Oral presentation

9- Member Editorial board/ Reviewer of journal

S. No	Name of Journal	Country	Assignment/Position
1	E Cronicon Microbiology Journal	UK	Member Editorial Board
2	Pakistan Journal of Pharmaceutical Research	Pakistan	Reviewer

Research Grants

Research Grants awarded National: 3

S. No.	Year of Award	Title	Funding agency	Amount
1	2017-18	Characterization of potential vaccine candidate outer membrane protein(oomph) from <i>Pasteurellamutocida</i> for Hemorrhagic septicaemia disease in cattle by SDS PAGE and Western blotting”	Bahauddin Zakariya University	Rs= 1,51980/
2	2015-16	Molecular identification and pathogenesis of <i>Mycoplasma Galisepticum</i> infection in broilers.	Bahauddin Zakariya University	Rs= 1,30000/
3	2014-15	Microbial pathogenesis of <i>Pasturellamultocida</i> infection in bovines and evaluation of antimicrobial potential of natural plants extracts to counter emergence of multi drug resistance.	Bahauddin Zakariya University	Rs= 99,960/

Computer Competency

- MS-Office (MS-Word & MS-Excel, MS- Power Point)
- Internet (E-mail, Browsing, Surfing)
- SPSS (statistical analysis)
- END NOTE(Research Reference management)

Research / Teaching Experience

- Six month research experience , Dalhousie University ,Canada.(sponsored by Higher Education Commission, Pakistan)
- 5 years research experience in running different independent and collaborative projects on microbiology aspects and 5 years teaching experience.

Research interest/Future perspective

- Development of new drugs from plant sources, Vaccines and Probiotics
- Microbial pathogenesis.
- Host pathogen interaction and host immune responses.
- Bacterial genomics and proteomics.

Research Expertise

- Isolation and identification of Microbial pathogens
- Molecular characterization of Pathogens by PCR and DNA sequencing method
- Bacterial proteins characterization by SDS-PAGE method
- Bacterial samples preparation for Scanning and Transmission Electron Microscope imaging.
- Designing of different animal models for In-Vivo study of bacterial pathogenesis

Membership Professional Societies

- Member American Society for Microbiology
- Member Pakistan Society for Microbiology
- Member Infectious disease society, Pakistan
- Member Bio-safety association of Pakistan

Awards and Honors

- 5000 indigenous PhD. Fellowship phase III ,Higher Education Commission, Pakistan.2006
- International research support Initiative program. Higher Education Commission, Pakistan.2010

Reference

- Prof Dr. Rakhshanda Baqai, , cell # 03002165267 r_baqai@yahoo.com
(Research Supervisor).

- Prof Dr. Shahana Urooj Kazmi, Vice chancellor, women university Sawabi . Cell # 03008297324 shahanaurooj@yahoo.com
(Research Co-Supervisor)