

CURRICULUM VITAE



Personal

Name **Dr. Nazish Mazhar Ali**
 D/O Syed Mazhar Ali
 Address 465 Block L, Sabzazar Lahore , Pakistan
 Date of birth 19-06-1980
 Phone No. 042-378010680
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Academic Record

Class	Year	Marks	Division/G.P.A	Institution
Matric	1994	603/850	1 st	Govt Pilot School, Wahdat Colony,Lhr
F.Sc	1996	647/1100	2 nd	Govt College for Women,Samanabad,Lhr
B.Sc	1998	483/800	1 st	Govt College for Women,Samanabad,Lhr
M.Sc	2000	1499/1850	1 st /3.86 (4 th position)	GC ,Lahore
M.Phil	2003	87.7%	1 st /3.51 (2 nd position)	GC University,Lhr
Ph.D	2010	completed		GC University,Lhr
Ph.D	2007 (Foreign Scholarship for USA from HEC)			
	2006 (Indigenous scholarship from HEC)			

Papers Studied in M.Sc

General Biochemistry, Cell and Molecular Biology, Physiology and Animal Behaviour, Genetics and Biometry, Developmental Biology, Animal Biodiversity, Environmental Biology and Wildlife, Economic Zoology and Taxonomy, Zoogeography, Paleontology and Evolution, Basic Principles of Biotechnology, Applied Microbiology

Papers Studied in M.Phil

Invertebrate Comparative Morphology, Chordate Comparative Morphology, Advanced Molecular Biology, Advanced Environmental Science, Animal Toxicology, Advanced Biotechnology

Theses

Research work in M.Sc

Titled “*Incidence of Bacterial Contamination of Air in Different Localities of Lahore*”

Research Work in M.Phil

Titled “*Bacterial Fauna of Local Honey collected from different localities*”

Research Work in PhD

Titled “*Study on Bacterial Isolates for Amino Acid Production: Improvement in Production of Amino Acids of commercial Importance*”

Work Experience

Professor of Zoology

Department of Botany GC Lahore, November 2025 to Date

Professor of Zoology

Department of Zoology GC Lahore, November 2022 to Nov 2025

Professor of Zoology

HED Punjab May 2022 to November 2022

Associate Professor of Zoology

Department of Zoology GC Lahore, 2020 To 2022

Associate Professor of Zoology

HED Punjab, 2016 To 2020

Associate Professor of Zoology

Department of Zoology GC Lahore, 2012 To 2016

Lecturer of Zoology

Department of Zoology GC Lahore, 2008 To 2012

Lecturer of Zoology

HED Punjab, 2005 To 2006

Subject Taught

To BS

Animal form and function I&II, Animal Biodiversity I&II, Paleontology, Biostatistics, Evolution and systematics, Industrial Microbiology, General Microbiology, Food Microbiology, Applied Microbiology, General Immunology, Biological physics

To M.Phil

Advance Molecular Biology, Animal Toxicology, Applied Microbiology, Environmental Biology, General Microbiology, Medical Microbiology, Medical Microbiology, Biomedical Technology

To PhD

Applied Microbiology, Biotechnology, vertebrate Physiology, Advanced Protozoology, Hematology, Hemostasis

Research Publications

Sr. No	Authors & Title	Journal Name	Year
1	Screening & Characterization of Waterborne E.coli from Children with Diarrheal Infections and Evaluation of the Bactericidal Efficacy of Plant Extracts and Nano particles Against Pathogenic Isolates Ayesha Shahid, Sara Hayee, Muhammad Ahsan Raza , Nazish Mazhar Ali	JOURNAL OF MICROBIOLOGICAL SCIENCE	2025
2	Impact of Water Pollution on Waterborne Infections: Emphasizing Microbial Contamination and Associated Health Hazards in Humans Nazish Mazhar Ali , Muhammad Kamran Khan, Bushra Mazhar, Madiha Mustafa	DISCOVER WATER	2025
3	Antibiofilm and Antiquorum Sensing Potential of Pheretima Posthum Nazish Mazhar Ali , Mudassar Hussain, Sajjida Naseem, Asthma Abdul Latif , Iram Liaqat	JOURNAL OF OLEO SCIENCE	2025
4	Molecular Characterization of Virulent Genes in Neonatal Respiratory Infections Associated Pathogenic Strains of Pseudomonas aeruginosa Using PCR Technique Nazish Mazhar Ali , Maham Chaudhry, Safia Rehman, Asif Rasheed , Samreen Riaz	JOURNAL OF MICROBIOLOGICAL SCIENCES	2024
5	Molecular characterization of virulence genes in quorum sensing system of different pathogenic strains of Pseudomonas aeruginosa from neonates with pulmonary infections using PCR as efficient technique. Nazish Mazhar Ali , Maham Chaudhry, Safia Rehman , Sehar Zahid, Samreen Riaz		2024

6	Screening and biochemical characterization of beta hemolytic strains of Staphylococcus aureus from Conjunctivitis infections. Nazish Mazhar Ali , Sidra Munir, Sehar Zahid, Syed Abdullah Mazhar		2024
7	Efficacy of different therapeutic plant extracts and nanoparticles against pathogenic strains of Streptococcus pneumonia isolated from ophthalmic infections Running title: Antibacterial effect of therapeutic plants against S. pneumonia Nazish Mazhar Ali , Mariam Wasif, Neenish Muhammad Nadeem, Nazish Mazhar		2024
8	Prevalence of Pseudomonas aeruginosa associated chronic and acute respiratory infections and role of antibiotics as antibacterial agents against isolated pathogens Short title: P. aeruginosa associated respiratory infections Nazish Mazhar Ali , Maham Chaudhry, Mehreen Shafique, Sidra Munir		2024
9	Screening and Modulation of The Bactericidal Potential of Pickle-Based Lactic Acid Bacteria Against Common Nosocomial Pathogens. Nazish Mazhar Ali , Maham Chaudhry, Bushra Mazhar, Sara Hayee, Samreen Raza		2024
10	Comprehensive Review on Postoperative Central Nervous System Infections (PCNSI): Causes, Prevention Strategies, and Therapeutic Approaches using Computer Based Electronic Health Record (EHR) Nazish Mazhar Ali , Bushra Mazhar, Samreen Riaz, Sidra Munir		2024
11	Development of Data-driven Machine Learning Models and their Potential Role Predicting Dengue outbreak. Nazish Mazhar Ali , Bushra Mazhar, Farkhanda Manzoor, Muhammad Ramzan		2024
12	Bactericidal and Antioxidant Potential of Moringa oleifera Capped Silver Nanoparticles under varied Conditions. Nazish Mazhar Ali , Fareha Ali, Shaukat Ali, Sana Shahbaz, Hafiz Abdullah Shakir	CHEMISTRY SELECT	2023
13	Recent Advances in Evaluating Insects as Bio indicators of Heavy Metal Pollution Nazish Mazhar Ali , Iram Liaqat, Noor Virk	HEAVY METAL-RECENT ADVANCES	2023
14	Acute Toxicity, Anti-diabetic, and Anti-cancerous Potential of Trillium Govanianum-conjugated Silver Nanoparticles in	CURRENT PHARMACEUTICAL	2023

	Balb/c Mice Nazia Gulzar, Dr Saiqa Andleeb, Abida Raza, Uzma Azeem Awan, Nazish Mazhar Ali	BIOTECHNOLOGY	
15	Evaluating the Effect of pH, Temperature and Concentration on Antioxidant and Antibacterial Potential of Spectroscopically, Spectrophotometrically and Microscopically Characterized Mentha Spicata Capped Silver Nanoparticles. Nazish Mazhar Ali , Tehreem Tanveer, Shaukat Ali, Rahila Islam	JOURNAL OF FLUORESCENCE	2023
16	In vivo Antioxidant Potential of Biogenic Silver Nanoparticles Synthesized from Psidium guajava L. Nazish Mazhar Ali , Atif Ayub, Myhammad Rahid, Sarwar Ditta, Saman Abdullah	NANO BIOMEDICINE AND ENGINEERING	2023
17	Anaerobic Digestion for Bioenergy Production Using Solid Animal Waste: New Avenues Climate Changes Mitigation and Sustainable Bioenergy Harvest Through Animal Waste Nazish Mazhar Ali , Iram Liaqat, Muhammad Nauman Aftab, Muhammad Arshad		2023
18	Dysbiosis, inflammation and type 2 diabetes in mice using synthetic gut microbiota from diabetic humans Disbiose intestinal, inflame diabetes tipo 2 em camundongos usando microbiota intestinal sintetica de humanos diabeticos. Nazish Mazhar Ali , Iram Liaqat, Najma Arshad, Sumera Sajjad.	INTERNATIONAL JOURNAL ON NEOTROPICAL BIOLOGY	2023
19	Efficacy of cow and buffalo dung on vermiremediation and phytoremediation of heavy metals via Fourier-transform infrared spectroscopy and comet assay. Nazish Mazhar Ali , Anum Naseer, Dr Saiqa Andleeb, Abdul Basit, Shaukat Ali	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH,	2022
20	Frequency of Dry Eyes after Cataract Surgery and Effect of Gender, Duration of Cataract and Age on Dry Eye Symptoms after Phacoemulsification. Nazish Mazhar Ali , Usama Rahim, Syed Abdullah Mazhar, Nabeel Iqbal.	PAKISTAN JOURNAL OF PHTHALMOLOGY	2022
21	Chapter 2: An Understanding of Antibiofilm Activity Nazish Mazhar Ali	UNDERSTANDING ANTIBIOFILM ACTIVITY (NOVA)	2022
22	Phylogenetic Illustration of Eisenia fetida Associated Vermibacteria involved in heavy Metals Remediation and Retaining Plant Growth Promoting Traits. Nazish Mazhar Ali , Anum Naseer, Dr Saiqa Andleeb, Abdul Basit, Waid Arshad Abbasi, Samina Ejaz, Shaukat Ali.	JOURNAL OF OLEO SCIENCE	2022
23	Molecular characterization of plant growth promoting vermicobacteria associated with Eisenia fetida gastrointestinal tract. N. Mazhar Ali , Dr Saiqa, Irsa Shafique, Anum Naseer, Wajid Arshad abbasi, Samina Ejaz, Iram Liaqat, Shaukat Ali, Muhammad Fiaz Khan, Fayaz Ahmed	PLOS ONE	2022

24	The influence of Size of Nd:YAG Capsulotomy on Refraction, Anterior Chamber Depth and Patients Symptoms Nazish Mazhar Ali , Syed Abdullah Mazhar , K Nafees, N Farooq, S Zahid, M Hani		2022
25	Synthesis of Cinnamum zeylanicum and Acacia nilotica Extracts and Their Antibacterial Activity against Staphylococcus aureus and Streptococcus pyogenes. Nazish Mazhar Ali , Muhammad Tahir, Muhammad Kamran Khan, Khajid Ullah Khan, Bushra Mazhar, Maham Ch. , Mariam Dar, Syeda Faiqa	JOURNAL OF OLEO SCIENCE	2022
26	The Effect of Total Power of ND:YAG Laser on Intra-Ocular Pressure and Anterior Chamber Reaction after YAG Laser Capsulotomy. Nazish Mazhar Ali , Syed Abdullah Mazhar, N Farooq, K Nafees, S Zahid, B Abdullah Mazhar		2022
27	Screening, biochemical characterization and antibiotics resistance/susceptibility of bacteria isolated from native soil and water samples. Nazish Mazhar Ali , Mobina Ulfat, Z Abad, Amina Abrar, Saleem Sarwar, Khajista Jabeen	BRAZILIAN JOURNAL OF BIOLOGY	2022
28	Detection via in vitro amplification of laser gene associated with virulent attribute of pseudomonas aeruginosa from acute pulmonary infections. Uzma Hanif, Sehrish Taj, Saraj Bahadur, Muhammad Shuaib, Nazish Mazhar Ali	GENE REPORTS	2022
29	Phylo-geographic analysis of whitefly on the basis of mitochondrial cytochrome oxidase 1 gene. Nazish Mazhar Ali , Roohi Ijaz, U Ramzan, F, Qureshi, Sammi Rasheed, M.A Khan, Bushra Mazhar, Maham Chaudhry	BRAZILIAN JOURNAL OF BIOLOGY	2022
30	Therapeutic Values of Earthworm Species Extract from Azad Kashmir as Anticoagulant, Antibacterial, and Antioxidant Agents. Rozina Ghulam Mustafa, Dr Saiqa Andleeb, Jorge Dominguez, Madiha Jamil, Saira Manzoor, Samna Wazir , Bushra Shaheen, Asma Parveen, Rida Khan, Shaukat Ali, Fatima Jalal, Sadaf Azad Raja, Nazish Mazhar Ali	CANADIAN JOURNAL OF INFECTIOUS DISEASES AND MEDICAL MICROBIOLOGY,	2022
31	Biogenic Synthesis, Characterization and Antibacterial Properties of Silver Nanoparticles against Human Pathogens. Muhammad Shehzad Tufail, Iram Liaqat, Dr Saiqa Andleeb, Sajida Naseem, Nazish Mazhar Ali , Urooj Zafar, Ayesha Sadiqa, Irfana Liaqat, Asia Bibi, Najma Arshad, Gulbeena Saleem	JOURNAL OF OLEO SCIENCE	2022

32	Antibacterial activity of <i>Ricinus communis</i> plant extract against antibiotic resistant <i>Helicobacter pylori</i> and <i>Gluconobacter oxydans</i> isolated from fresh apple juices samples Nazish Mazhar Ali , Muhammad Shahzad, M Chaudhry, Memuna Ghafoor Shahid, A Ahsan, M Dar, Bushra Mazhar, Muammar Mustafa, s Saeed, Shaouki Munir	BRAZILIAN JOURNAL OF BIOLOGY	2021
33	Bacteriocin-mediated inhibition of some common pathogens by wild and mutant <i>Lactobacillus</i> species and in vitro amplification of bacteriocin encoding genes. Nazish Mazhar Ali , Arooj Ahsan, Bushra Mazhar, Muhammad Kamran Khan, Madiha Mustafa, Muhammad Hammad	ADMET & DMPK	2021
34	Significant Production of Vanillin and vitro amplification of ech gene in local bacterial isolates. Nazish Mazhar Ali , Bushara Mazhar, Nusrat Jahan, M Chaudhry, Iram Liaqat, M Dar, S Rehman, S Andleeb	BRAZILIAN JOURNAL OF BIOLOGY	2021
35	Antibacterial and bacteriostatic potential of coelomic fluid and body paste of <i>Pheretima posthuma</i> (Villiant, 1868) (Clitellata, Megascolecidae) against ampicillin resistant clinical bacterial isolates. N. Mazhar Ali , Mudassar Hussain, Iram liaqat, Nama Arshad, Uzma Hanif, Sumera	BRAZILIAN JOURNAL OF BIOLOGY	2021
36	Modulating the production of xylanase by <i>Bacillus pumilus</i> Bs131 through optimization using waste fiber sludge. Nazish Mazhar Ali , B Kalim, A Iqbal, Muhammad Tariq Zahid, S Rehman, N Bashir, R Ali	BRAZILIAN JOURNAL OF BIOLOGY	2021
37	Gut dysboisis, inflammation and type 2 diabetes in mice using synthetic gut microbiota from diabetic humans Nazish Mazhar Ali , Iram Liaqat, Najma Arshad, Sumera Sajjad, Farzana Rashid, Uzma Hanif, Chaman Ara, Mobina Ulfat, S Andleeb, Asia Bibi, U F Awan, Muhammad Mubin, Shaukat Ali, Muhammad Tahir, Ikram ul Haq	BRAZILIAN JOURNAL OF BIOLOGY	2021
38	<i>Pseudomonas aeruginosa</i> associated pulmonary infections and in vitro amplification virulent rhamnolipid (rhlR) gene Nazish Mazhar Ali , S Chatta, Iram Liaqat, Syed Abdullah Mazhar, Bushra Mazhar, S Zahir	BRAZILIAN JOURNAL OF BIOLOGY	2021
39	Multienzyme and Antibacterial Potential of Bacteria Isolated from gut of Asian Honey Bee (<i>Apis cerana Indica</i>), Lahore Using Culture Dependent Method. Iram Liaqat, Muhammad Mubin, Maleeha Anwar Chaudhry, Najma Arshad, Dr Muhammad Afzaal, Chaman Ara, Andleeb Anwar Sardar, Umer Farooq Awan, Sumera Sajjad, Farzana Rashid, Shaukat Ali, Nazish Mazhar Ali	BRAZILIAN JOURNAL OF BIOLOGY	2021
40	Bacteriocin Production by <i>Lactobacilli</i> and Their Role as Antibacterial Tool against Common Pathogens Nazish Mazhar Ali , Samina Younas, Bushra Mazhar, Iram	JOURNAL OF OLEO SCIENCE	2021

	Liaquat, Shaukat Ali, Muhammad Tahir		
41	Neuroprotective evaluation of Marsilea quadrifolia L. and Salvinia molesta D.S Mitchel in aluminium chloride induced Alzheimer disease. Nazish Mazhar Ali , Sadia Mushtaq, Uzma Hanif, Muhammad Ajmal Shah, Zunera Chaudhry, Muhammad Qasim, Muhammad Muneed, Maham Chaudhry, Mariam Dar	NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA	2021
42	Psuedomonas aeruginosa-Associated Acute & Chronic Pulmonary Infections Safia Rehman, Syed Abdullah Mazhar, Iram Liaquat, Bushara Mazhar, Nazish Mazhar Ali		2020
43	Chapter: Study on Pathogenesity of Enterobacter Species; Its Mechanism and Genes/Virulence Factors Nazish Mazhar Ali , Iram Liaquat	RECENT DEVELOPMENTS IN ENTEROBACTER RESEARCH (NOVA PUBLISHER)	2020
44	Chapter: Recent Trends in Taxonomy of Genus Enterobacter Nazish Mazhar Ali , Iram Liaquat	RECENT DEVELOPMENTS IN ENTEROBACTER RESEARCH (NOVA PUBLISHER)	2020
45	Assessment and incidence of fish associated bacterial pathogens at hatcheries of Azad Kashmir, Pakistan R. Kousar, N. Shafi, S. Andleeb, N. Mazhar Ali , T. Akhtar and S. Khalid	BRAZILIAN JOURNAL OF BIOLOGY	2020
46	Study of Biofilm response of OLEA Europaea to UV Radiations: An in vitro Approach Nazish Mazhar Ali , Iram Liaquat, Safdar Ali Mirza, F Ahsan, Andleeb anwar Sardar, Muhammad Tahir, Shaukat Ali, A W Qureshi, Usman hanif, Mobina ulfat		2020
47	Study of Biofilm Community of Olea Europea To Uv Radiations Iram liaquat, Nazish Mazhar Ali .	JAPS	2020
48	Aeruginosa Associated Virulent Factors And In Vitro Amplification of Rhamnolipid Gene Nazish Mazhar Ali , Iram Liaquat. P.	BRAZILIAN JOURNAL OF BIOLOGY	2020
49	Antibacterial activity of Ricinus communis plant extract against antibiotic resistant Helicobacter pylori and Gluconobacter oxydans and other bacterial pathogens from fresh apple juices samples Nazish Mazhar Ali	JOURNAL OF PHARMACEUTICAL RESEARCH INTERNATIONAL (JPRI)	2020
50	Two chapters i. Enterobacter aerogenes taxonomy, and ii. mechanism of infection; antibiotic resistance Nazish Mazhar Ali	ANOVA PUBLISHERS	2020

51	Chapter P. aeruginosa associated pulmonary infections Nazish Mazhar Ali	INTECHOPEN PUBLISHERS	2020
52	Two chapters i. leucorrhea infections associated pathogenic bacteria ii. antibacterial activity of nano-particles on antibiotic resistant bacteria Nazish Mazhar Ali	SCIENCE DOMAIN INTERNATIONAL PUBLISHERS	2020
53	Antibiogram analysis and characterization of bacterial pathogens from Leucorrhea patients Nazish Mazhar Ali , Muhammad Shahzad, Muqadas Bano, Bushra Mazhar, Samina Younas, Atif Yaquab and Iram Liaqat.	MICROBIOLOGY RESEARCH INTERNATIONAL	2019
54	Antibacterial activity of some nano particles on antibiotic resistant bacterial pathogens from air of operation theatre Nazish Mazhar Ali , Muhammad Shahzad, Abdullah Mazhar and Bushra Mazhar.	JOURNAL OF PHARMACEUTICAL RESEARCH INTERNATIONAL	2019
55	F Role of salicylideneacylhydrazide and proteases in biofilm inhibition of desulfovibrio spp. Iram Liaqat, Nazish Mazhar Ali , Nazjma Arshad, Zain ul Abideen.	PAKISTAN JOURNAL OF ZOOLOGY	2019
56	Assessment of spring water microbiology and role of Typha augusta as biosorbent Shaukat Ali, Rshid Mahmood, Areesha Munir, Maryam Khalil, Nazish Sheikh, Muhammad Tahir, Saiqa Andleeb, Iram Liaqat, Nazish Mazhar Ali , M.Ali Shah.	WATER ENVIRONMENT RESEARCH	2019
57	Frequency of ophthalmological disorders associated with headache M.Asharib Arshad, Syed Abdullah Mazhar, Nazish Mazhar Ali , Mazra shaheen.	PAKISTAN JOURNAL OF OPHTHALMOLOGY	2019
58	Biochemical Characterization of Bacterial Pathogens From Corneal Eye Infections And Their Control Via Chemotherapy, Phytotherapy And Apitherapy Nazish Mazhar Ali , Asma Ashraf,	JOURNAL OF INNOVATIVE SCIENCES	2019
59	In vitro susceptibility of P. aeruginosa isolated from acute and chronic pulmonary infection to antibiotics, lactobacillus competition and metal nanoparticles Safia Rehman, Nazish Mazhar Ali , Gerald B. Pier and Iram Liaqat.	PAKISTAN JOURNAL OF ZOOLOGY	2018
60	Enhanced bacterial lipase production through different fermentation conditions. Muhammad Basharat, Ayesha Aziz, Saiqa Andleeb, Nazish Mazhar Ali , Shaukat Ali.	INDIAN JOURNAL OF BIOTECHNOLOGY	2018
61	Improvement in cysteine production by different bacterial isolates Nazish Mazhar Ali , Bushra Mazhar, Abdullah Mazhar.	BIOMEDICAL JOURNAL OF SCIENTIFIC AND TECHNICAL RESEARCH	2018
62	Antimicrobial Activity of Some Medicinal Plants Extracts	PAKISTAN JOURNAL	2017

	Against Food Industry Isolates Iram Liaqat, Najma Arshad, Muhammad Arshad , Safdar Ali Mirza, Nazish Mazhar Ali and Ammara Shoukat.	OF ZOOLOGY	
63	Antibacterial activity of different plant extracts and antibiotics on pathogenic bacterial isolates from wheat field water Nazish Mazhar Ali , Syed Abdullah Mazhar, Bushra Mazhar, Anum Imtiaz and Saiqa Andleeb.	PAKISTAN JOURNAL OF PHARMACEUTICAL SCIENCES	2017
64	Effect of medicinal plants, Heavy metals and antibiotics against pathogenic bacteria isolated from raw, Boiled and pasteurized milk Nazish Mazhar Ali, Khadija Sarwar, Syed Abdullah Mazhar, Iram Liaqat, Saiqa Andleeb, Bushra Mazharand Bushra Kalim	PAKISTAN JOURNAL OF PHARMACEUTICAL SCIENCES	2017
65	Accumulation of heavy metals by dead and living biosorbents: bacteria isolated from contaminated soil waste Iqra Batool, Saiqa Andleeb, Shaukat Ali, Kalsoom Akhtar, Nazish Mazhar Ali .	PAKISTAN JOURNAL OF SCIENCE AND INDUSTRIAL RESEARCH.	2017
66	Quantitative analysis of organic and inorganic components of citrus sinensis linn (musambi) and its utilization as chick feed .Bushra kalim, M. Sharif Mughal and Nazish Mazhar Ali .	BIOLOGIA	2017
67	Motility effects biofilm formation in pseudomonas aeruginosa and e.coli. Iram Liaqat, Hafiz Muhammad Tahir, Nazish Mazhar Ali , Muhammad Arshad, Farina Ilyas and Najma Arshad.	PAKISTAN JOURNAL OF PHARMACEUTICAL SCIENCES	2017
68	Significant production of vanillin by a novel bacterium from waste residues of rice bran oil. Bushra Mazhar , Nusrat Jahan, Nazish Mazhar Ali, Shaukat Ali.	PUNJAB UNIVERSITY JOURNAL OF ZOOLOGY	2017
69	Chemical Biomarker Study of Negative Physiological Effects of Insecticides on Pakistani Farm Workers Health in the Central Punjab Muhammad Shahzad, Atif Yaqub, Mehmood Shaukat, Muhammad Kashif Fida, Nazish Mazhar Ali, Tanveer Hussain, Muhammad Sheeraz.	ANNALS OF KEMU	2016
70	Optimization of β -galactosidase Production from Yogurt and Dairy Soil Associated Bacteria Using Different Fermentation Media. Nazish Mazhar Ali , Saiqa Andleeb , Bushra Mazhar and Agha Usman Ali Khan.	BRITISH MICROBIOLOGY RESEARCH JOURNAL	2016
71	Molecular Identification and Characterization of Heavy Metal Resistant Bacteria and Their Role in Bioremediation of Chromium. Nusrat Jahan, Muhammad Idrees, Muhammad Tariq Zahid Nazish Mazhar Ali and Mudassar Hussain.	BRITISH MICROBIOLOGY RESEARCH JOURNAL	2016
72	Optimization of Conditions for Biosorption of Chromium and Cadmium by Shell of Anodontoides ferussacianus. Suleman Shahzad, Atif Yaqub, Nazish Mazhar Ali.	JOURNAL OF ADVANCES IN BIOLOGY &	2016

		BIOTECHNOLOGY	
73	Optimization of fermentation media and growth conditions for microbial xylanase production. Bushra Kalim and Nazish Mazhar Ali.	3-BIOTECH	2016
74	Assessment of antibiogram and resistogram of pathogenic bacteria isolated from irrigated wheat field water. Nazish Mazhar Ali , Saiqa Andleeb , Bushra Mazhar , Anum Imtiaz , Shaukat Ali	PUNJAB UNIVERSITY JOURNAL OF ZOOLOGY	2016
75	Antibacterial Activity and Optimisation of Bacteriocin Producing Lactic Acid Bacteria Isolated from Beef (Red Meat) Samples Nazish Mazhar Ali , Saiqa Andleeb, Bushra Mazhar, Iram Khadija and Bushra Kalim.	PAKISTAN JOURNAL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	2016
76	Effects of exposure to pesticides on blood serum components and Butyrylcholinesterase(BChE) in pesticide vendors of Punjab Province, Pakistan Muhammad Shahzad, Atif Yaqub, Mehmood shaukat, Muhammad Kashif Fida, Nazish Mazhar Ali, Tanveer Hussain, Muhammad Sheeraz and Nuzhat Fatima.	ANNALS OF KEMU	2016
77	Xylanases- from microbial origin to industrial application. Bushra Kalim, Nils Bohringer, Nazish Mazhar Ali and Till Schaberle.	BRITISH BIOTECHNOLOGY JOURNAL	2015
78	Xylanases- from microbial origin to industrial application, Supplementary files. Bushra Kalim, Nils Bohringer, Nazish Mazhar Ali and Till Schaberle.	BRITISH BIOTECHNOLOGY JOURNAL	2015
79	Molecular characterization and antibiotic resistance of bacterial pathogens from respiratory tract infection Nazish Mazhar Ali, Mudassar Hussain, Syed Abdullah Mazhar, Bushra Mazhar, Bushra Kalim, Safia Rehman and Muhammad Shahzad	MERIT RESEARCH JOURNALS	2015
80	Antimicrobial Activity of Honey on Bacteria Isolated from Diabetic's Foot Wounds NAZISH MAZHAR ALI , BUSHRA MAZHAR, SADIA HAYAT, ABDULLAH MAZHAR & HIRA SHAHZAD.	BIOLOGIA	2014
81	Isolation and characterization of bacterial pathogens from different types of wounds collected from different hospitals of Lahore. Bushra Mazhar, Nazish Mazhar Ali and Abdullah Mazhatr.	RASHID LATIF MEDICAL COLLEGE RESEARCH JOURNAL	2014
82	Optimization of Fermentation Media for Enhanced Amino Acids Production by Bacteria Isolated from Natural Sources Farah Rauf Shakoori, Afsheen Munawar Butt, Nazish Mazhar Ali, Muhammad Tariq Zahid, Abdul Rehman and A.R. Shakoori.	PAKISTAN JOURNAL OF ZOOLOGY	2012
83	Improvement in Cysteine Production by Local Bacterial Isolates Ali, N. M , Shakoori, F.R., and Shakoori, A.R.	PAKISTAN JOURNAL OF ZOOLOGY	2011
84	Improvement in of methionine production by local bacterial isolates.	PAKISTAN JOURNAL OF ZOOLOGY	2011

	Ali, N. M, Shakoori, F.R., and Shakoori, A.R.		
85	Role of Estradiol on growth of MCF-7 breast cancer cells. Ali, N. M., M. B. and Yaqub, A.	BIOLOGIA	2009
86	Biosorption of Mercury (Hg II) by using Oedogonium urceolatum: Kinetics and Equilibrium Yaqub, A., Naeem, M. F., Anjum, K.M., Ali, N. M., and Khan, W. A.	BIOLOGIA	2009
87	Microbiological analysis of Honey of Apis mellifera Shakoori, F.R., Ali, N. M and Shakoori, A.R.	PROCEEDINGS OF PAKISTAN JOURNAL OF ZOOLOGY	2005
88	Incidence of bacterial contamination of air in different localities of Lahore Ali, N. M., Mirza M.A	BIOLOGIA	2002

Conferences/ Seminars (Oral and poster presentations)

1. Attended Biological conference in GC University, Lahore in 2002 and gave **Oral presentation** of Research Paper
2. Attended 22nd Pakistan Congress of Zoology (International) in university of Azad Jammu and Kashmir, Muzaffarabad and gave **Oral presentation** of Research Paper in 2002
3. Attended 24th Pakistan Congress of Zoology (International) in Allama Iqbal Open University, Islamabad and gave **Oral presentation** of research paper in 2004
4. Attended 25th Pakistan Congress of Zoology (International) in Sindh Agriculture University, Tandojam and participated in **poster presentation** and won **First prize** in competition in 2005
5. Attended Symposium on fisheries and wild life in 2005
6. Attended seminar in Sylvester comprehensive cancer center on incidence of female breast cancer cells in Africa in 2007
7. Took part in poster competition in GC University, Lahore and presented **two posters** in 2008
8. Attended symposium on fisheries in 2009
9. Member of **organizing committee** of 32nd congress of Zoology and also **co-chaired** session
10. Attended seminar on Dengue in 2012
11. Participated in Dengue workshop in 2012
12. Attended 33rd congress of Zoology in 2013
14. Attended workshop of 5 days on “Dengue awareness and control” arranged by Department of Zoology, GCU Lahore in 2014
15. Attended 10 days workshop on teaching methodologies arranged by Higher Education Department, Punjab in 2016
16. Attended one day workshop on Research methodologies arranged by Zoology Department, GCU Lahore in 2016.
17. Attended one day seminar on fisheries and Wild Life arranged by biological society of Pakistan at GCU Lahore in 2017
18. Attended 37th Pakistan Congress of Zoology (International) in GCU, Faisalabad and gave **Oral presentation** of research paper in 2017
19. Attended IBPHR conference at GCU Lahore in 2017

TRAINING / WORKSHOPS

Title	Nature of training	Department	From	To
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Horticulture Training	Training Related To Different Plants	HORTICULTURE DEPARTMENT AND GCW, MODEL TOWN LAHORE	2018-02-12	2018-03-22
Ibphr Conference	Research Training	GCU LAHORE	2017-12-06	2017-12-07
Research Workshop	Research Training	GCU LAHORE	2016-10-20	2016-10-20
Research Workshop	Research Training	GCU LAHORE	2017-02-10	2017-02-10
International Fisheries Symposium	Research Training	DEPARTMENT OF FISHERIES, PUNJAB	2015-02-24	2015-02-25
Ibphr Conference	Research Training	GCU LAHORE	2014-05-06	2014-05-08
Workshop	Taxidermy And Stuffing	UVAS, LAHORE	2015-06-24	2015-06-26
Election Training	Presiding Officer	ECP	2013-04-24	2013-04-24
Teacher Training	Teaching Methodologies	HED, PUNJAB	2016-08-29	2016-09-10
Zoological Congress	Research Training	GCU LAHORE	2013-04-02	2013-04-04
Computer Training	Computer Information	PAK COMPUTER COLLEGE, LAHORE	1997-09-02	1998-04-02
Zoological Congress	Research Training	GCU FAISALABAD	2017-03-12	2017-03-12
Dengue Awareness	Research Training	GCU LAHORE	2012-11-05	2012-11-08
Research Workshop	Research Training	GCU LAHORE	2012-03-12	2012-03-14
Research Workshop	Research Training	GCU LAHORE	2008-06-06	2008-06-06
Biological Conference	Research Training, Poster Competition	TANDOJAM UNIVERSITY	2005-03-02	2005-03-03
Election Training	Training as Presiding Officer	ECP	2018-07-16	2018-07-18
Ibphr Conference	Research Training	GCU LAHORE	2019-11-13	2019-11-14
Biological Conference	Research Training	GOVT. ISLAMIA COLLEGE COOPER ROAD	2020-02-12	2020-02-13

Distinctions

- Distinction in Punjab Public Service Commission (PPSC) Selected as Lecturer in Zoology in PSC exam standing **3rd** in Punjab and 1st in Lahore in 2005. Also selected as Lecturer in Biology in same exam standing at **13th** position in 30 seats. Stood **First** in PPSC for post of **Associate Professor of Zoology** and also **Associate Professor of Biology**
- Achieved **foreign PhD fellowship** for USA for period of six months in 2007 from HEC.

- Advance PhD **indigenous Scholarship** in 2006 from HEC
- Participated in poster presentation and won First prize in competition in 2005 in tandojam university.
- **HEC APPROVED SUPERVISOR**(2011-2018)
- Editorial/reviewers board Editorial board/reviewer board member of journal of infectious diseases and diagnosis (**GAVINPUBLISHERS**)
- Editorial board/reviewer board member of journal of clinical pathology (**GAVINPUBLISHERS**)
- 2nd Firer in NCC training During **NCC training** college , received cup for standing 2nd in firing test.
- Publicationin American Poetry Magazine Poem titled “POLLUTION” was published in American Poetry magazine named **SILENCE WITH IN** in 2001 . Also the poem is available in audio version in form of CD.
- Reviewer recognition certificate by **ELSEVIER** publishers in 2018 Reviewers
- Recognition certificate by **WILEY ON LINE** publishers in 2019 Reviewers recognition certificate by ELSEVIER publishers in 2019.
- Internationally known researcher and reviewer . Publications available on research gatewebsite.
- **Co-Chaired** research session in zoological congress arrange by Pakistan zoological society and GCU Lahore
- Member , **American Society of Microbiology (ASM), USA**
- Reviewer, **Bentham Publisher**

Foreign Training

Sylvester Comprehensive Cancer Center, Miller School of Medicine, University of Miami , Florida
From 2007-07-01 To 2007-12-31

Worked their as senior research associate and learnt different techniques and methods related to tissue culture. Worked on mcf-7 breast cancer cells. Used some of advance techniques at that time

Memberships of Scientific Societies

- MEMBER OF ZOOLOGICAL SOCIETY, PU LHR
- MEMBER OF BIOLOGICAL SOCIETY, GCU LHR
- FOUNDER FELLOW OF PAKISTAN WILDLIFE FOUNDATON

Research students supervised(HEC APPROVED SUPERVISOR)

BS 25 students
M.Phil 18 students
PhD 03 students

Research Title/STUDENT	Nature of Certificate	CATEGORY AS PER HEC	University	Year
Bioconversion of Waste Fiber Sludge Into Ethanol And Xylanase At Commercial Level/BUSHRA KALIM	Microbiology And Molecular Biology Work Supervision	PH.D RESEARCH SUPERVISOR	GCU Lahore	2017
3. Detection of Virulent Genes Associated With Chronic And Acute Respiratory Infections In Pseudomonas Aeruginosa/SAFIA REHMAN	Microbiology And Molecular Biology Research Supervision	PH.D RESEARCH SUPERVISOR	GCU Lahore	2019
Evaluation of Coelomic Fluid And Paste of Earthworm (Pheretima Posthuma) as Antibacterial, Antibiofilm And Antiquorum Sensing Agent/MUDASSAR HUSSAIN	Microbiology And Molecular Biology Research Co-Supervision Research In Progress)	PH.D RESEARCH SUPERVISOR	GCU Lahore	N/A *
Study On Improvement In Amino Acid Production By Mutant Bacterial Strains/MISBAH JAMIL	Microbiology And Molecular Biology Research Supervision	M.PHIL RESEARCH SUPERVISOR	GCU Lahore	2011
Ribotyping And Antibiotic Resistance of Bacteria Isolated From Leucorrhea Infection/MUQADAS	Microbiology And Molecular Biology Research Supervision	M.PHIL RESEARCH SUPERVISOR	GCU Lahore	2012
Ribotyping And Antibiotic Resistance of Bacteria Isolated From Respiratory Tract Infection/MUDASSAR	Microbiology And Molecular Biology Research Supervision	M.PHIL RESEARCH SUPERVISOR	GCU Lahore	2012
Characterization And Antibiotic Susceptibility of Pathogenic Bacteria From Raw, Boiled And Pasteurized Milk/KHADIJA SARWAR	Microbiology And Molecular Biology Research Supervision	M.PHIL RESEARCH SUPERVISOR	GCU Lahore	2013
A Comparative Study For The	Microbiology And	M.PHIL	GCU Lahore	2013

Presence of Bacterial Contamination In Processed And Unprocessed Honey Samples/HIRA	Molecular Biology Research Supervision	RESEARCH SUPERVISOR		
Antibacterial Activity of Plant Extracts On Antibiotic Resistant Pathogenic Bacteria and Their Comparison With Antibiotics/FAIQA	Microbiology And Molecular Biology Research Supervision	M.PHIL RESEARCH SUPERVISOR	GCU Lahore	2013
Bacteriocin-Mediated Inhibition By Lactic Acid Bacteria From Red Meat/IRAM	Microbiology And Molecular Biology Research Supervision	M.PHIL RESEARCH SUPERVISOR	GCU Lahore	2014
USMAN	Microbiology And Molecular Biology Research Supervision	M.PHIL RESEARCH SUPERVISOR	GCU Lahore	2014
FARYAL	Microbiology And Molecular Biology Research Supervision	M.PHIL RESEARCH SUPERVISOR	GCU Lahore	2014
Phylo-Geographic Analysis of Whitefly On The Basis of Mitochondrial Cytochrome Oxidase 1 Gene/ROOHI	Microbiology And Molecular Biology Research Supervision	M.PHIL RESEARCH SUPERVISOR	GCU Lahore	2015
Antibacterial Activity of Lactic Acid Bacteria By Bacteriocin Production I Pickles/SAMINA	Microbiology And Molecular Biology Research Supervision	M.PHIL RESEARCH SUPERVISOR	GCU Lahore	2015
Detection of Xylanase Encoding Genes In Wild And Mutant Fungal Strains (Cd Is Available At Pg Library)/SAMAN JAVED	Microbiology And Molecular Biology Research Supervision	M.PHIL RESEARCH SUPERVISOR	GCU Lahore	2015
Detection of Lasr, LasI Gene In Pseudomonas Aeruginosa Responsible For Pulmonary Infection/MEHREEN	Microbiology And Molecular Biology Research Supervision	M.PHIL RESEARCH SUPERVISOR	GCU Lahore	2015
Detection of Virulent Rhlr In Pseudomonas Aeruginosa Associated With Acute Pulmonary Infections/SAMRA	Microbiology And Molecular Biology Research Supervision	M.PHIL RESEARCH SUPERVISOR	GCU Lahore	2016
Detection of Acute Pulmonary Infections Associated Lasr Gene In Pseudomonas Aeruginosa/GHAZALA	Microbiology And Molecular Biology Research Supervision	M.PHIL RESEARCH SUPERVISOR	GCU Lahore	2016
Comparative Study On Bacteriocin Encoding Genes In Different Wild	Microbiology And Molecular Biology	M.PHIL RESEARCH	GCU Lahore	2016

And Mutant Lactobacillus Spp./AROOJ	Research Supervision	SUPERVISOR		
BS RESEARCH SUPERVISED				
Biochemical characterization of pathogenic bacteria isolated from air of plastic surgery OT of Mayo hospital/FAIQA	Microbiology And Molecular Biology Research Supervision	BS RESEARCH SUPERVISOR	GCU Lahore	2010
Study On Bacterial Isolates Form Soil Sample of Wheat Field/HAFSA	Microbiology And Molecular Biology Research Supervision	BS RESEARCH SUPERVISOR	GCU Lahore	2011
Astudy On Bacterial Isolation From Water Sample of Wheat Field/ANUM	Microbiology And Molecular Biology Research Supervision	BS RESEARCH SUPERVISOR	GCU Lahore	2011
Isolation And Charaterization of Bacteria Form Patient's Food/SADIA	Microbiology And Molecular Biology Research Supervision	BS RESEARCH SUPERVISOR	GCU Lahore	2011
Isolation And Characterization of Bacteria Collected From Water of Children Burn Ward (Mayo Hospital)/FAIZA	Microbiology And Molecular Biology Research Supervision	BS RESEARCH SUPERVISOR	GCU Lahore	2011
Antimicrobial Activity of Honey On Bacteria Isolated From Diabetic Wounds/SADIA	Microbiology And Molecular Biology Research Supervision	BS RESEARCH SUPERVISOR	GCU Lahore	2011
Isolation And Characterization of Bacteria Collected From air of Children Burn Ward (Mayo Hospital)/AYESHA	Microbiology And Molecular Biology Research Supervision	BS RESEARCH SUPERVISOR	GCU Lahore	2011
“Biochemical and Molecular Characterization of pathogenic Bacteria Isolated from Mild to Severe Eye infections FOUR STUDENTS(ONE THESIS)SHAFIA, SEHAR, MAHJABEEN,KHADIJA, SEHRISH	Microbiology And Molecular Biology Research Supervision	BS RESEARCH SUPERVISOR	GCU Lahore	2012
Isolation of Pathogenic Bacteria From Corneal Eye Infections/TWO STUDENTS(MARYAM, AQSA)	Microbiology And Molecular Biology Research Supervision	BS RESEARCH SUPERVISOR	GCU Lahore	2014
Molecular Characterization of Pathogenic Bacteria From Blood And Feces of Indian Peafowl/AYESHA	Microbiology And Molecular Biology Research Supervision	BS RESEARCH SUPERVISOR	GCU Lahore	2015

Isolation of Amylase Producing Bacteria/MARIA	Microbiology And Molecular Biology Research Supervision	BS RESEARCH SUPERVISOR	GCU Lahore	2015
Isolation of Amino Acid Producing Bacteria/NAZISH	Microbiology And Molecular Biology Research Supervision	BS RESEARCH SUPERVISOR	GCU Lahore	2015
Characterization of Salmonella Isolated From Drinking Water	Microbiology And Molecular Biology Research Supervision	BS RESEARCH SUPERVISOR	GCU Lahore	2016
Isolation of Coliforms From Drinking Water	Microbiology And Molecular Biology Research Supervision	BS RESEARCH SUPERVISOR	GCU Lahore	2016

Research papers REVIEWED

Sr No.	Research paper Title	Journal Title	Category
1	"Potentials of Actinomycetes from Reserved Environments as Antibacterial Agents Against Drug-Resistant Clinical Bacterial Strains"	Ethiopian Journal of Health Sciences	International
2	Acute Toxicity Effect of Artemisia Afra Plant Extracts on the Liver, Kidney, Spleen and in Vivo Antimalarial Assay on Swiss Albino Mice	Comment journal	International
3	Sterility maintenance of reused disposable paper/plastic pouches in actual clinical practice	Heliyon (ELSEVIER)	International
4	Potential control of Salmonella spp. isolated from different environmental sources by combined mixture of henna, garlic and onion extracts	Biocatalysis and Agricultural Biotechnology(ELSEVIER)	International
5	"Epidemiological and molecular characterization and antibiogram analysis of Salmonella species isolated from different sources"	<i>MicrobiologyOpen</i> (wiley)	International
6	Frequency and causes of anemia in patients visiting gynae outdoor Unit: an Institutional Based Study	PUNJAB UNIVERSITY JOURNAL OF ZOOLOGY	
7	Appraisal of heavy metals pollution in the stream sediments from Okemesi-Ijero area, southwestern Nigeria: Insight from geochemical fractionations and multivariate analysis techniques	Journal of Physical Science and Environmental Studies	International
8	Biochemical effect of ethanolic extract of	Journal of medical and biological	International

	phyllantus amarus, (l.) On liver and kidney of rats induced –gentamicin.	research	
9	A manuscript titled: “Does stroke messed up with a serum hepcidin levels in therapy of anemia in rheumatoid arthritis patients?”	MERIT RESEARCH JOURNAL OF MEDICINE AND MEDICAL SCIENCES	International
10	Assessment of welfare of working donkeys and mules using health and behavior parameters	Journal of agriculture science and food technology	International
11	Antibacterial characterization studies of silver nanoparticles against staphylococcus aureus and escherichia coli	Biochemistry and biotechnology research	International
12	Bacterial colonization and biofilm development in minimally processed fruit of olea	Biologia	National
13	“Colistin-based combination therapy improving Acinetobacter baumannii eradication efficacy”	MERIT RESEARCH JOURNAL OF MICROBIOLOGY AND BIOLOGICAL SCIENCES	International
14	“Epidemiology of Burn wound infection and its antibacterial resistance, Burn registry program”	MERIT RESEARCH JOURNAL OF MEDICINE AND MEDICAL SCIENCES	International

Editorial/reviewers board

- Editorial board/reviewer board member of journal of infectious diseases and diagnosis(GAVIN PUBLISHERS)
- Editorial board/reviewer board member of journal of clinical pathology (GAVIN PUBLISHERS)

Research Work/Thesis assisted

- **M.Sc** thesis titled “Isolation and Characterization of Manganese Resistant Bacteria and their Plasmid Isolation” in year 2003
- **M.Sc** thesis titled “ Isolation and Characterization of hydrocarbon Resistant Bacteria and their Plasmid Isolation” in year 2003
- **M.Sc** thesis titled “ Isolation of Large Plasmid from Heavy Metals and Hydrocarbons degrading Bacteria” in year 2004
- **M.Sc** thesis titled “Isolation and characterization of Cypermethrin Bacteria” in 2005
- **M.Phil** thesis titled “ Genotyping of *Bacillus thurengiensis*” in 2005
- **M.Sc** thesis titled” Isolation and characterization of bacterial fauna from human wounds and isolation of plasmid” in 2006
- **M.Sc** thesis titled” Isolation and characterization of bacterial fauna of different food products and isolation of plasmid” in 2006
- **M.Phil** thesis titled” Isolation and characterization of Arsenic resistant bacteria “ in 2006

GRE, GAT and International GRE Tests

- Passed **GRE** Test (56/100) in 2006
- Passed **GAT** Test (52/100) in 2007

- Passed **International GRE** Test in 2007