

DR. AAMER ALI SHAH**PROFESSOR**

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Citations: <http://scholar.google.ca/citations?hl=en&user=iLIGORIAAAA>

**1. ACADEMIC ACHIEVEMENTS**

Degree/Certificate	University/College/School	Subjects	Division	Year
Postdoc 2 nd	University of Tsukuba, Japan	Applied & Environmental Microbiology	JSPS Fellowship-	2010-2012
Postdoc 1 st	University of Tsukuba, Japan	Applied & Environmental Microbiology	MIF Japan Fellowship	2008-2009
PhD	Quaid-i-Azam University, Islamabad	Microbiology	1 st	2003-2007
M.Phil	Quaid-i-Azam University, Islamabad	Microbiology	1 st	1999-2001
DVM	University of Agriculture, Faisalabad	Veterinary Medicine	1 st	1993-1998
HSSC	PAF Intermediate College Peshawar	Pre-Medical	1 st	1991-1993
SSC	Govt. Higher Secondary School Peshawar	Science	1 st	1988-1990

2. EMPLOYMENT HISTORY (Teaching/Research) Total Experience: 17 Years 10 Months

Title	Organization	Years
Professor	Quaid-i-Azam University, Islamabad, Pakistan	Feb. 2020 – Till date (3 Year 6 Months)
Associate Professor	Quaid-i-Azam University, Islamabad, Pakistan	Aug. 2015 – Feb. 2020 (4 Years 4 Months)
Assistant Professor	Quaid-i-Azam University, Islamabad, Pakistan	Feb. 2009 – Aug. 2015 (6 Years 6 Months)
Lecturer	Quaid-i-Azam University, Islamabad, Pakistan	Oct. 2007 – Feb. 2009 (1 Year 4 Months)
Research Officer	Pakistan Health Research Council, Islamabad	Oct. 2004 – May 2006 (1 Years 7 Months)
Research Associate	Quaid-i-Azam University, Islamabad, Pakistan	Jan. 2002 – Aug. 2004 (2 Years 8 Months)

3. i. ADMINISTRATIVE EXPERIENCE: >10 Years

No.	Job Title	Organization	Duration
1	Chairman	Department of Microbiology, Quaid-i-Azam University, Islamabad	Mar. 2020 – Mar. 2023 (3 Years)
2	Coordinator BS Program	Quaid-i-Azam University, Islamabad	Jan. 2018 – Till to date (3 Years)
3	Incharge Faculty Residences	Quaid-i-Azam University, Islamabad	Nov. 2014 – May 2019 (4 Years 6 Months)
4	Incharge Store & Purchases	Quaid-i-Azam University, Islamabad	Jan. 2018 – Jan. 2020 (2 Years)
5	Assistant Director	Intellectual Property Organization, Cabinet Division, Islamabad	June 01, 2006 – July 10, 2007 (1-Year)

ii. POSTDOCTORAL EXPERIENCE: 2 Years 6 Months

No.	Job Title	Organization	Duration
1	Postdoctoral Researcher	University of Tsukuba, Japan	Nov. 01, 2010 – Oct. 31, 2012 (2 Years)
2	Postdoctoral Researcher	University of Tsukuba, Japan	Aug. 01, 2008 – Jan. 2009 (6-Months)

4. PUBLICATIONS (IMPACT FACTOR AND CITATION)

Publications	Impact Factor	Citations	H-index	i10-index
179	>500	>13000	42	116

5. HONORS/AWARDS

No	Title of the Award	Organization
1	Cited in the list of Top 2% Scientist of the World in 2019-2024 https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/7	Stanford University USA
2.	Prof. A. R. Shakoori Gold Medal 2019	Zoological Society of Pakistan
3.	PAS Gold Medal in Biological Sciences 2018	Pakistan Academy of Sciences
4.	Pak-UK Education Gateway Award 2019-20	British Council Pakistan
5.	Collaborative Research Grants (International)	HEC-TUBITAK; PSF-NSFC; HEC-PERIDOT
6.	Travel Grants Award (2013 – 2018)	Higher Education Commission, Islamabad
7.	PCST Research Productivity Award 2010 – 2014	Pakistan Council for Science and Technology
8.	JSPS Postdoctoral Fellowship 2010-2012	Japan Society for Promotion of Science, Japan
9.	International Postdoctoral Fellowship 2008-2009	Matsumae International Foundation, Japan
10	Section Editor (Biodegradation of plastics) 2021 https://www.frontiersin.org/research-topics/21973/biodegradation-of-plastics	Frontiers in Bioengineering and Biotechnology

6. RESEARCH GRANTS (Total grants secured: > 30 Mn)

Project Title	PI/ Co-PI	Amount (Mn)	Funding	Duration
Biocatalysis as a green route toward upcycling of polyethylene terephthalate (PET) into value added products	PI	11.6	HEC	In progress
Bacteriophage derived proteins a novel approach as enzobiotics to combat multi drug resistant bacteria	Co-PI	12.856	HEC	In progress
Co-Utilization of Methanol And Sugarcane Hydrolysates For Production of Fatty Acids Derivatives	PI	7.670	PSF-NSFC	In progress
Bioremediation and Toxicity Reduction of Pulp and Paper Mill Effluents by Newly Isolated Indigenous Microbial Strains as well as Development of Pilot Scale Bioreactor for Effective Removal of Pollutants	PI	2.680	HEC-TUBITAK	Completed
Production of xylanases from thermophilic microorganisms and their industrial applications	PI	2.596	HEC	Completed
Biodegradation of synthetic polyesters	PI	2.78	HEC	Completed

7. RESEARCH INTERESTS

- Bio-upcycling for conversion of recalcitrant plastics into value added materials: establishment of a circular (bio)-economy for plastics;
- Investigation for the plastics degrading potential microorganisms in the environment, understanding the mechanism of degradation as well as role of esterolytic enzymes such as esterases, lipases or cutinases in their degradation;
- Investigation for metallo-resistant microorganisms from metal contaminated environment and understanding their role in recovery and removal of metals through leaching and sorption strategies.
- Development of bioluminescence-based bioreporter systems for real time monitoring of heavy metals in environmental water samples.
- Study of microbes that live in extreme environments such as thermophiles, radio-resistant, acidophiles, alkaliphiles as well as metallo-resistant microorganisms, understanding their mechanism of survival to extreme conditions and their metabolites of biotechnological significance.
- Studies on production, purification and characterization of industrially important enzymes with desirable properties such as thermostability, alkaline stability, halophilicity and organic solvents tolerance are important to meet the industrial demands.
- Bioremediation and detoxification of pulp and paper mills effluents by microorganisms and development of pilot scale bioreactor for effluent treatment.
- Production of bio-ethanol from lignocellulosic biomass
- Co-utilization of methanol and biomass hydrolysates for production of fatty acids derivatives
- Antimicrobial susceptibility testing, molecular epidemiology and serodiagnostics of human pathogens

8. PUBLICATIONS IN PEER REVIEWED JOURNALS (Total No.: >170; Impact Factor: >500)

No.	Publications	Impact Factor
1.	Kaloom Kaloom, Salah Ud Din, Esmā Ceylan, Fariha Hasan, Samiullah Khan, Malik Badshah, Sabriye Çanakçı, <i>Ali Osman Belduz</i> , Aamer Ali Shah. Cloning and expression of chromate reductase from <i>Bacillus paramycooides</i> S48 for chromium remediation. Scientific Report 2025 (Accepted)	4.3
2.	Salah Ud Din, Ayesha Israr, Sadia Jabeen, Qurrat ul Ain Rana, Salah Ud Din, Zhang Kun, Samiullah Khan, Fariha Hasan, Malik Badshah, Yongjin J. Zhou, Aamer Ali Shah. Production of free fatty acids from alkaline organosolvent pretreated sugarcane bagasse and trash by yeast <i>Pichia pastoris</i> . Waste and Biomass Valorization 2025 (Accepted)	3.1
3.	Aimon Khan, Kashif Mehmood, Akhtar Nadhman, Sami Ullah Khan, Aamer Ali Shah, Ziaullah Shah. Microbial Production of Keratinase from <i>Bacillus velezensis</i> strain MAMA: A Novel Enzyme for Eco-Friendly Degradation of Keratin Waste. Helyon 2024 (https://doi.org/10.1016/j.heliyon.2024.e32338)	3.9
4.	Sadia Mehmood Satti, Muzna Hashmi, Mishal Subhan, Muhammad Adnan Shereen, Adham Fayad, Aamer Ali Shah , Asim Abbasi. Bio-upcycling of plastic waste: A sustainable innovative approach for circular economy. Water Air & Soil Pollution 2024; 235:382.	3.6
5.	Aneela Nawaz, Nauman Ahmed Khalid, Sabeena Zafar, Alina Majid, Muqaddas Shahzadi, Sheharyar Saleem, Aamer Ali Shah , Malik Badshah, Samiullah Khan. Phage therapy as a revolutionary treatment for multidrug-resistant <i>Pseudomonas aeruginosa</i> infections: A narrative review. The Microbe 2024; 2, 100030.	3.23
6.	Mehmoona Sharif, Aneela Nawaz, Shayan Naeem, Umme Habiba Saeeda, A. Farid, Noman Saleh Zada, Aamer Ali Shah , Malik Badshah, Alharbi MT, Tarabulsi MK, Selim S, Samiullah Khan. Pharmaceutical and Nutraceutical Importance of Bioactive Metabolites from Macrofungi. Journal of Biological Regulators and Homeostatic Agents. 2024, 38(5), 3621-3643.	3.2
7.	Laiq Zada, Sana Imtiaz, Muhammad Saleem, Aamer Ali Shah , Shahzad Anwar. In vitro study: methylene blue-based antibacterial photodynamic inactivation of <i>Pseudomonas aeruginosa</i> . Applied Microbiology and Biotechnology 2024; 108:169.	4.9

8.	Sanam Islam Khan, Miray Sahinkaya, Dilsat Nigar Colak, Numan Saleh Zada, Urgu Uzuner, Ali Osman Belduz, Sabriye Çanakçı, Alam Zeb Khan, Samiullah Khan, Malik Badshah, Aamer Ali Shah . Production and characterization of novel thermostable CotA-laccase from <i>Bacillus altitudinis</i> SL7 and its application for lignin degradation. <i>Enzyme and Microbial Technology</i> 2024; 172: 110329.	3.2
9.	Nawaz A, Zafar S, Alessa AH, Khalid NA, Muqaddas S, Majid A, Badshah M, Shah AA and Khan S . Characterization of ES10 lytic bacteriophage isolated from hospital waste against multidrug-resistant uropathogenic <i>E. coli</i> . <i>Frontiers Microbiology</i> . DOI 10.3389/fmicb.2024.1320974.	5.2
10.	Salah Ud Din, Kalsoom Kalsoom, Sadia Mehmood Satti, Salah Uddin, Smita V Mankar, Esma Ceylan, Fariha Hasan, Samiullah Khan, Malik Badshah, Ali Osman BELDÜZ, Sabriye Çanakçı, Baozhong Zhang, Javier A. Linares-Pastén, Aamer Ali Shah . Purification and characterization of a cutinase-like enzyme with activity on Polyethylene terephthalate (PET), from a newly isolated bacterium <i>Stenotrophomonas maltophilia</i> PRS8 at mesophilic temperature. <i>Applied Sciences</i> 2023; 13: 3686.	2.838
11.	Aneela Nawaz, Sabeena Zafar, Muqaddas Shahzadi, Sayed Muhammad Ata Ullah Shah Bukhari, Nasir Khan, Aamer Ali Shah , Malik Badshah, Samiullah Khan. Bacteriophages: An Overview of the Control Strategies against Phytopathogens. <i>Egyptian Journal of Biological Pest Control</i> 2023; 33, 108.	2.3
12.	Anees Fatima, Muhammad Ibrahim, Adil Naseer, Arshid Pervez, Muhammad Asad, Aamer Ali Shah , Fariha Hasan, Wadi B. Alonazi, Ifra Ferheen, Samiullah Khan. Identification, Genome Sequencing, and Characterizations of <i>Helicobacter pylori</i> Sourced from Pakistan. <i>Microorganisms</i> 2023. 2023, 11, 2658.	4.5
13.	Abdul Haq, Ayesha Malik, Alam Khan, Joseph E. Weaver, Ling Wang, Haji Khan, Samiullah Khan, Aamer Ali Shah , Safia Ahmed, Asif Jamal, Francis L. de los Reyes III , Malik Badshah. Effect of removal of inhibitors on microbial communities and biogas yield of <i>Jatropha curcas</i> seeds during continuous anaerobic digestion. <i>International Journal of Cleaner Production</i> 2023; 426: 139154.	10.2
14.	Marium Saba, Afsheen Akhter, Humair Ahmed, Zahid Mehmood, Anum Khan, Numan Saleh Zada, Malik Badshah, Fariha Hasan, Aamer Ali Shah , Samiullah Khan. Sustainable valorization of chicken feathers and grocery waste as organic fertilizer and its impact on yield and quality of spinach (<i>Spinacia oleracea</i>) plant. <i>Communication in Soil Science and Plant Analysis</i> 2023; 54:21, 2995-3005 (https://doi.org/10.1080/00103624.2023.2253842)	1.9
15.	Anum Khan, Samiya Siddiqui, Ubaid Ur Rahman, Ali Osman Belduz, Aamer Ali Shah , Malik Badshah, Fariha Hasan, Samiullah Khan. Enzymatic Modification of Maize Flour Improves its Functional Properties, Digestion Resistibility, and Antioxidant Potential. <i>Journal of Food Measurement & Characterization</i> 2023; 17:6109–6124.	3.006
16.	Abdul Haq, Mian Laiq Ur Rehman, Alam Khan, Wasim Sajjad, Haji Khan, Samiullah Khan, Aamer Ali Shah , Fariha Hasan, Safia Ahmed, Arshad Islam, Malik Badshah, Tawaf Ali Shah, Turki M Dawoud, Mohammed Bourhia. Production, optimization and physicochemical characterization of biodiesel from seed oil of indigenously grown <i>Jatropha curcas</i> . <i>Frontiers in Energy Research, section Bioenergy and Biofuels</i> 2023; 11:1225988.	3.858
17.	Ubaid Ur Rahman, Salma Qasim, Numan Saleh Zada, Sohail Ahmad, Aamer Ali Shah , Malik Badshah, Fariha Hasan, Samiullah Khan. Evaluation of agricultural wastes as a sustainable carbon source for the production of β -glucosidase from <i>Bacillus stercoris</i> , its purification and characterization. <i>Pakistan Journal of Agricultural Sciences</i> 2023; 60: 367-375.	0.856
18.	Asim Ur Rahman, Aftab Ali, Faisal Ahmad, Sajjad Ahmad, Metab Alharbi, Abdullah Fayez Alasmari, Amna Fayyaz, Qurrat ul ain Rana, Samiullah Khan, Fariha Hasan, Malik Badshah, Aamer Ali Shah . Unraveling the Radioprotective Mechanisms of UV-Resistant <i>Bacillus subtilis</i> ASM-1 Extracted Compounds through Molecular Docking. <i>Pharmaceuticals</i> 2023; 16(8), 1139; https://doi.org/10.3390/ph16081139 .	4.60
19.	Martin Koller, Kenichiro Matsumoto, Zhanyong Wang, Fan Li, Aamer Ali Shah . Biodegradation of plastics. <i>Frontiers in Bioengineering and Biotechnology</i> 2023; 11:1150078. (doi: 10.3389/fbioe.2023.1150078)	5.10
20.	Nosheen Basharat, Jadoon Khan, Ijaz Ali, Aamer Ali Shah . Genetic characterization of human Echinococcosis in Southern Punjab region of Pakistan. <i>Frontiers in Cellular and Infection</i>	6.073

	Microbiology 2023; 13:1141192. (doi: 10.3389/fcimb.2023.1141192)	
21.	Samiya Siddiqui, Anum Khan, Ubaid ur Rehman, Aamer Ali Shah , Malik Badshah, Mujaddad ur Rehman, Azam Hayat, Samiullah Khan. Understanding the inhibitory mechanism of exogenous protein on enzymatic preparation of Resistant starch. Starch 2023; 75(9-10). https://doi.org/10.1002/star.202200264	2.688
22.	Wasim Sajjad, Mahnoor Nadeem, Tayyaba Alam ¹ , Asim ur Rehman, Sumra Wajid Abbasi, Sajjad Ahmad, Ghufuranud Din, Samiullah Khan, Malik Badshah, Sarah Gul, Muhammad Farman, Aamer Ali Shah . Biological Evaluation and Computational Studies of Methoxyflavones from Newly Isolated Radioresistant <i>Micromonospora aurantiaca</i> Strain TMC-15. Applied Biochemistry and Biotechnology 2023; 195(8):4915-4935. (https://doi.org/10.1007/s12010-023-04517-7)	3.094
23.	Qurrat ul ain Rana, Muhammad Adil Nawaz Khan, Zeshan Shiekh, Saleha Parveen, Safia Ahmed, Muhammad Irfan, Rahul Gauttam, Aamer Ali Shah , Asif Jamal, Samiullah Khan, Malik Badshah. Production of Bioethanol and Biogas from <i>Spirodela polyrhiza</i> in a Biorefinery Concept and Output Energy Analysis of the Process. Biomass Conversion and Biorefinery 2023; 13: 11219-11228. https://doi.org/10.1007/s13399-021-02066-9	4.050
24.	R. Hayat, G. Din, A. Farooqi, A. Haleem, S. ud Din, F. Hasan, M. Badshah, S. Khan, A. A. Shah . Characterization of melanin pigment from <i>Aspergillus terreus</i> LCM8 and its role in cadmium remediation. International Journal of Environmental Science and Technology 2023; 20:3151-3160. https://doi.org/10.1007/s13762-022-04165-0	3.519
25.	Noor Hassan, Muhammad Rafiq, Abdul Haleem, Naveed Iqbal, Mohsin Khan, Aamer Ali Shah , and Fariha Hasan. Glaciochemistry and Pigment Producing Ability of Bacteria from the Roof of the World, the Glaciers of Karakoram, Pakistan. Geomicrobiology Journal 2023; 40 (2): 143-151.	2.412
26.	Sabir Nawaz, Muhammad Rafiq, Ian L. Pepper, Walter Q. Betancourt, Aamer Ali Shah , Fariha Hasan. Prevalence and abundance of antibiotic-resistant genes in culturable bacteria inhabitant of a non-polar Passu glacier, Karakorum Mountains range, Pakistan. World Journal of Microbiology and Biotechnology 2023; 39:94	4.253
27.	Syed Umair Ullah Jamil, Saeed Ullah, Sahib Zada, Muhammad Rafiq, Aamer Ali Shah , and Fariha Hasan. Isolation of Antimicrobial Active Compounds producing <i>Bacillus subtilis</i> Strain from Bat Guano of Kashmir Cave, Pakistan. Geomicrobiology Journal 2023; 40:4, 337-346.	2.412
28.	Yunxia Li, XiaoXin Zhai, Wei Yu, Dao Feng, Aamer Ali Shah , Jiaoqi Gao, Yongjin Zhou. Production of fatty acids from various carbon sources by <i>Ogataea polymorpha</i> . Bioresources and Bioprocessing 2022; 9: 78 (https://doi.org/10.1186/s40643-022-00566-8)	4.983
29.	Nazif Ullah Khan, Shamsullah, Shahidullah, Aamer Ali Shah , Syed Sohail Zahoor Zaidi, Zhi Chen. Epidemiology of Human Adenovirus in Pakistani children hospitalized with Community-acquired Gastroenteritis under the age of five years. Int. J. Environ. Res. Public Health 2022; 19(19):12534. doi: 10.3390/ijerph191912534	4.614
30.	Anum Khan, Huma Ali, Ubaid Ur Rehman, Ali Osman Belduz, Amna Bibi, Mujib Abdulkadir Abdurahman, Aamer Ali Shah , Malik Badshah, Fariha Hasan, Ali Osman Kilic, Asad Ullah, Sarwat Jahan, Muhammad Maqsood Ur Rehman, Rashid Mansoor, Samiullah Khan. Prebiotic potential of enzymatically prepared resistant starch in reshaping gut microbiota and their respond to body physiology. PLoS One 2022; 17(5): e0267318. https://doi.org/10.1371/journal.pone.0267318	3.752
31.	Abdul Haq, Alam Khan, Haji Khan, Samiullah Khan, Aamer Ali Shah , Fariha Hasan, Safia Ahmed, Francis L de los Reyes, Malik Badshah. Enhancement of biogas yield during anaerobic digestion of <i>Jatropha curcas</i> seed by pretreatment and co-digestion with mango peels. Biomass Conversion and Biorefinery 2022; 12: 1595-1603 (https://doi.org/10.1007/s13399-020-01064-7)	4.050
32.	Sanam Islam Khan, Asaf Zarin, Safia Ahmed, Fariha Hasan, Ali Osman Belduz, Sabriye Çanakçı, Samiullah Khan, Malik Badshah, Muhammad Farman, Aamer Ali Shah. Degradation of lignin by <i>Bacillus altitudinis</i> strain SL7 isolated from pulp and paper mill effluent. Water Science and Technology (2022) 85 (1): 420-432.	2.430
33.	Marium Saba, Anum Khan, Huma Ali, Amna Bibi, Zeeshan Gul, Alam Khan, Muhammad Maqsood Ur Rehman, Malik Badshah, Fariha Hasan, Aamer Ali Shah , Samiullah Khan. Microbial	6.064

	Pretreatment of Chicken Feather and Its Co-digestion With Rice Husk and Green Grocery Waste for Enhanced Biogas Production. <i>Frontiers in Microbiology</i> 2022; 13: 792426.	
34.	Zainab Khattak, Aamer Ali Shah , Syed Sohail Zahoor Zaidi, Nayab Mahmood, Muhammad Masroor Alam, Salman Sharif, Ribqa Akhtar, Yasir Arshid, Muhammad Suleman Rana. Isolation and molecular characterization of Adenovirus from suspected acute flaccid paralysis patients: A preliminary report from Pakistan. <i>Archives of Virology</i> 2022; 167: 483–491 (https://doi.org/10.1007/s00705-021-05346-x)	2.685
35.	Ghufranud Din, Abrar Hassan, John Dunlap, Steven Ripp, Aamer Ali Shah . Cadmium tolerance and bioremediation potential of filamentous fungus <i>Penicillium chrysogenum</i> FMS2 isolated from soil. <i>International Journal of Environmental Science and Technology</i> 2022; 19: 2761–2770.	3.519
36.	Imran Rabbani, Tariq Ahmad, Muhammad Maqsood-ur-Rehman, Muhammad Rafiq, Sabir Nawaz, Aamer Ali Shah , Fariha Hasan. Effect of various culture conditions on antimicrobial activity by bacteria from Passu Glacier, Pakistan. <i>Applied Ecology and Environmental Research</i> 2022; 20(3): 2059-2076.	0.816
37.	Muhammad Arif, Kalsoom, Aamer Ali Shah, Malik Badshah, Fariha Hasan, Asim ur Rehman, Samiullah Khan. Positivity, diagnosis and treatment follow-up of cutaneous leishmaniasis in war-affected areas of Bajaur, Pakistan. <i>Parasitology Research</i> 2022; 121:991–998 (https://doi.org/10.1007/s00436-022-07438-2).	2.383
38.	Numan Saleh Zada, Ali Osman Belduz, Halil Ibrahim Güler, Miray Sahinkaya, Sanam Islam Khan, Marium Saba, Kadriye Inan Bektas, Yakup Kara, Sevgi Kolayl, Malik Badshah, Aamer Ali Shah , Samiullah Khan. Cloning, Biochemical characterization and molecular docking of Novel thermostable β -1 glucosidase BglA9 from <i>Anoxybacillus Ayderensis</i> A9 and its application in de-glycosylation of Polydatin. <i>International Journal of Biological Macromolecules</i> 2021; 193: 1898-1909.	8.025
39.	Alam Khan, Sedrah Akbar, Valentine Okonkwo, Cindy Smith, Samiullah Khan, Aamer Ali Shah , Fazal Adnan, Umer Zeeshan Ijaz, Safia Ahmed and Malik Badshah Enrichment of the hydrogenotrophic methanogens for, in-situ biogas up-gradation by recirculation of gases and supply of hydrogen in methanogenic reactor. <i>Bioresource Technology</i> 2021; 345: 126219.	11.889
40.	Sanam Islam Khan, Numan Saleh Zada, Miray Sahinkaya, Dilsat Nigar Colak, Safia Ahmed, Fariha Hasan, Ali Osman Belduz, Sabriye Çanakçı, Samiullah Khan, Malik Badshah, Aamer Ali Shah . Cloning, Expression and Biochemical Characterization of Lignin-degrading DyP-Type Peroxidase from <i>Bacillus</i> sp. Strain BL5. <i>Enzyme and Microbial Technology</i> 2021; 151: 109917. (https://doi.org/10.1016/j.enzmictec.2021.109917)	3.705
41.	Pervaiz Ali, Daniel Fucich, Aamer Ali Shah , Fariha Hasan, Feng Chen. Cryopreservation of cyanobacteria and eukaryotic microalgae using exopolysaccharide extracted from a glacier bacterium. <i>Microorganisms</i> 2021; 9: 395. (https://doi.org/10.3390/microorganisms9020395)	4.926
42.	Asifa Farooqi, Ghufranud Din, Rameesha Hayat, Malik Badshah, Samiullah Khan, Aamer Ali Shah . Characterization of <i>Bacillus nealsonii</i> strain KBH10 Capable of Reducing Aqueous Mercury in Lab-Scale Reactor. <i>Water Science and Technology</i> 2021; 83(9):2287-2295.	2.430
43.	Nosheen Basharat, Asma Sadiq, Mohammad Dawood, Shahid Ali, Alam Khan, Roohullah Khan, Hayat Khan, Aamir Aziz, Hamid Ali, Aamer Ali Shah , Ijaz Ali, Jadoon Khan. Rotavirus gastroenteritis in Pakistan, 2018: Updated disease burden. <i>BMC Infectious Diseases</i> 2021; 21:426 (https://doi.org/10.1186/s12879-021-06123-6)	3.667
44.	Jadoon Khan, Nosheen Basharat, Salman Khan, Syed Muhammad Jamal, Sadeeq Ur Rahman, Aamer Ali Shah, Sanaullah Khan, Rehman Ali, Shahid Niaz Khan, Ijaz Ali. Prevalence and Molecular Characterization of Cystic Echinococcosis in Livestock Population of Malakand Division, Khyber Pakhtunkhwa, Pakistan. <i>Frontiers in Veterinary Sciences</i> 2021; 8: 757800. (https://doi.org/10.3389/fvets.2021.757800)	3.471
45.	Sadia Mehmood Satti, Edgar Castro Aguirre, Aamer Ali Shah, Terence L. Marsh, Rafael Auras. Genome annotation of Poly(lactic acid) degrading <i>Pseudomonas aeruginosa</i> , <i>Sphingobacterium</i> sp. and <i>Geobacillus</i> sp. <i>International Journal of Molecular Sciences</i> 2021; 22: 7385. (https://doi.org/10.3390/ijms22147385)	6.208
46.	Numan Saleh Zada, Ali Osman Belduz, Halil Ibrahim Güler, AnumKhan, Miray Sahinkaya, Arife Kaçiran, Hilal Ay, Malik Badshah, Aamer Ali Shah, Samiullah Khan. Cloning, expression, biochemical characterization, and molecular docking studies of a novel glucose tolerant β -	3.705

	glucosidase from <i>Saccharomonospora</i> sp. sp. NB11. Enzyme and Microbial Technology 2021, 148: 109799	
47.	Ghufranud Din, Asifa Farooqi, Wasim Sajjad, Muhammad Irfan, Aamer Ali Shah . Characterization of Cadmium and Antibiotic Resistant <i>Acinetobacter calcoaceticus</i> STP14 Isolated from Sewage Treatment Plant. Journal of Basic Microbiology 2021; 61: 230-240. (https://doi.org/10.1002/jobm.202000538)	2.650
48.	Qurrat ul ain Rana, Muhammad Adil Nawaz Khan, Muhammad Irfan, Aamer Ali Shah, Fariha Hasan, Samiullah Khan, Safia Ahmed, Fazal Adnan, Weizun Li, Meiting Ju, Malik Badshah. Starved <i>Spirodela polyrhiza</i> and <i>Saccharomyces cerevisiae</i> : A Potent Combination for Sustainable Bioethanol Production. Biomass Conversion and Biorefinery 2021; 11 , 1665–1674.	4.050
49.	Abdul Haq, Sama Mushtaq, Alam Khan, Arshad Islam, Haji Khan, Zulfiqar Ali Malik; Farhan Younas, Samiullah Khan, Aamer Ali Shah , Malik Badshah. Evaluation of phytochemical and bioactive potential of <i>Jatropha curcas</i> seed oil and de-oiled seed cake extracts. Journal of Plant Pathology 2021; 103 : 863–873.	2.643
50.	Kalsoom, Afshan Batool, Ghufranud Din, Salah Ud Din, Johar Jamil, Fariha Hasan, Malik Badshah, Samiullah Khan, Aamer Ali Shah . Isolation and Screening of Chromium Resistant Bacteria from Industrial Waste for Bioremediation Purposes. Brazilian Journal of Biology 2021: Sep 3:83:e242536	1.651
51.	Anum Khan, Muhammad Irfan, Ubaid Rahman, Farah Azhar, Aamer Ali Shah, Malik Badshah, Fariha Hasan, Fazal Ur Rehman, Zulfiqar Ali Malik, Samiullah Khan. A Ca ²⁺ Independent Pullulanase from <i>Bacillus Licheniformis</i> and its Application in the synthesis of resistant starch. Pakistan Journal Agricultural Sciences 2021; 58(2), 699-709.	0.856
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131.	Wasim Sajjad, Tariq Bhatti, Fariha Hasan, Aamer Ali Shah. Characterization of heterotrophic and mixotrophic acidophilic bacteria isolated from black shale and acid mine drainage, Khala Chatta, Haripur Pakistan. <i>Int. J. Biosciences</i> 2015; 6(8), 62-70.	0.553
132.	Ayesha Aslam, Naeem Akhtar, Fariha Hasan, Aamer Ali Shah . Prevalence and in vitro antifungal susceptibility pattern of <i>Candida</i> species in a tertiary care hospital, Rawalpindi, Pakistan. <i>Pakistan Journal of Zoology</i> 2015; 47(2), 335-342	0.687
133.	Mir Sadiq Shah, Mark Eppinger, Safia Ahmed, Aamer Ali Shah, Abdul Hameed, Fariha Hasan. Multi drug resistant diarrheogenic <i>E. coli</i> pathotypes are associated with ready to eat salad and vegetables in Pakistan. <i>Journal of the Korean Society for Applied Biological Chemistry</i> 2015; 58(2): 267-273.	1.559
134.	Aamer Ali Shah , Ahmed Nawaz, Lubna Kanwal, Fariha Hasan, Samiullah Khan, Malik Badshah. Degradation of poly(ϵ -caprolactone) by a thermophilic bacterium <i>Ralstonia</i> sp. strain MRL-TL from hot water spring. <i>International Biodeterioration and Biodegradation</i> 2015; 98: 35-42.	4.907
135.	Ahmed Nawaz, Fariha Hasan, Aamer Ali Shah . Degradation of poly(ϵ -caprolactone) by a newly	2.820

	isolated <i>Brevundimonas</i> sp. strain MRL-AN1 from soil. FEMS Microbiology Letter 2014; 363: 1-7.	
136.	Irfan Ullah, Aamer Ali Shah, Zarfishan Tahir, Obaidullah, Fariha Hasan, Najma Ayub. Detection of <i>Mycobacterium tuberculosis</i> from Clinical Specimens by Conventional and Molecular Technique in Punjab, Pakistan. Global Veterinaria 2014, 13 (6): 1002-1009. ²	0.60
137.	Aamer Ali Shah , Satoshi Kato, Noboru Shintani, Numbi Ramudu Kamini, Toshiaki Nakajima-Kambe. Microbial degradation of aliphatic and aliphatic-aromatic co-polyesters. Appl Microbiol Biotechnol 2014; 98: 3437-3447.	5.560
138.	Aamer Ali Shah , Tomoaki Eguchi, Daisuke Mayumi, Satoshi Kato, Noboru Shintani, Numbi Ramudu Kamini, Toshiaki Nakajima-Kambe. Degradation of aliphatic and aliphatic-aromatic co-polyesters by depolymerases from <i>Roseateles depolymerans</i> strain TB-87 and analysis of degradation products by LC-MS. Polymer Degradation and Stability 2013; 98: 2722-2799.	5.204
139.	Shahzeera Begum, Fariha Hasan, Shagufta Hussain, Aamer Ali Shah . Prevalence of multi drug resistant <i>Acinetobacter baumannii</i> in the clinical samples from Tertiary Care Hospital in Islamabad, Pakistan. Pakistan Journal of Medical Sciences 2013; 29: 1253-1258	2.340
140.	Siddiq Akbar, Fariha Hasan, Akhtar Nadhman, Samiullah Khan, Aamer Ali Shah . Purification and characterization of poly (3-hydroxy butyrate-co-3-hydroxyvalerate) degrading enzyme from <i>Streptomyces</i> sp. AF-111. Journal of Polymers and the Environment 2013; 21: 1109-1116.	4.705
141.	Aamer Ali Shah , Fariha Hasan, Ziaullah Shah, Nida Kanwal, Samia Zeb. A review on biodegradation of natural and synthetic rubbers. International Biodeterioration and Biodegradation 2013; 83: 145-157.	4.320
142.	Ziaullah Shah, Fariha Hasan, Lee Krumholz, Deniz Fulya Aktas, Mutiullah Khattak, Aamer Ali Shah . Degradation of polyester polyurethane by newly isolated soil bacterium, <i>Bacillus subtilis</i> MZA-75. Biodegradation 2013; 24: 865-877.	3.909
143.	Ziaullah Shah, Fariha Hasan, Lee Krumholz, Deniz Atkas, Aamer Ali Shah . Degradation of polyester polyurethane by newly isolated <i>Pseudomonas aeruginosa</i> strain MZA-85 and analysis of degradation products by GC-MS. International Biodeterioration and Biodegradation 2013, 77: 114-122.	4.907
144.	Aamer Ali Shah , Tomoaki Eguchi, Daisuke Mayumi, Satoshi Kato, Noboru Shintani, Numbi Ramudu Kamini, Toshiaki Nakajima-Kambe. Purification and properties of novel aliphatic-aromatic co-polyesters degrading enzymes from newly isolated <i>Roseateles depolymerans</i> strain TB-87. Polymer Degradation and Stability. 2013, 98: 609-618.	5.204
145.	A. A. Shah , F. Hasan, Z. Shah, Mutiullah, A. Hameed. Degradation of polyisoprene rubber by newly isolated <i>Bacillus</i> sp. AF-666 from soil. Applied Biochemistry and Microbiology 2012; 48(1); 37-42.	1.065
146.	A. Nadhman, F. Hasan, Z. Shah, A. Hameed, and A. A. Shah . Production of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) depolymerase from <i>Aspergillus</i> sp. NA-25. Applied Biochemistry and Microbiology 2012; 48(5): 482-487.	1.065
147.	Afzal I., Shah A. A. , Makhdam Z., Hameed A., Hasan F. Isolation and characterization of cellulase producing <i>Bacillus cereus</i> MRLB1 from soil. Minerva Biotechnologica, 2012; 24(3): 101-109.	2.024
148.	Khalid Mehmood, Saleeta Shoukat, Zobia Hameed, Masroor Hussain, Safia Ahmed, Aamer Ali Shah , Abdul Hameed, Fariha Hasan. Evaluation of various strategies for isolation and culturing of <i>Helicobacter pylori</i> . Pakistan Journal of Zoology 2011; 43(3), 427-435.	0.687
149.	Adil Farooq Lodhi, Fariha Hasan, Ziaullah Shah, Abdul Hameed, Shah Faisal, Aamer Ali Shah . Optimization of culture conditions for the production of Poly (3-hydroxybutyrate) Depolymerase from newly isolated <i>Aspergillus fumigatus</i> from soil. Pakistan Journal of Botany 2011; 43(2): 1361-1372.	1.101
150.	Masroor Hussain, Fariha Hasan, Aamer Ali Shah , Abdul Hameed, Myunghwan Jung, Nabin Rayamajhi and Han Sang Yoo. Prevalence of class A and AmpC beta-lactamases in clinical <i>Escherichia coli</i> isolates from Pakistan Institute of Medical Science (PIMS), Islamabad, Pakistan. Japanese Journal of Infectious Diseases 2011; 64, 249-252.	2.541
151.	Hafiz Ullah, Aamer Ali Shah , Fariha Hasan, Abdul Hameed. Biodegradation of Trinitrotoluene by Immobilized <i>Bacillus</i> sp. YRE1. Pakistan Journal of Botany 2010; 42(5): 3357-3367.	1.101
152.	Atieyeh Taherian Fard, Fariha Hasan, Mojgan Bandehpour, Nariman Mosaffa, Fatemeh	0.539

	Mashhadi Abbas, Abdul Hameed, Aamer Ali Shah , Bahram Kazemi. Cloning and Expression of <i>C-terminal of Clostridium perfringens</i> type A enterotoxin and its biological activity. <i>AJMR</i> 2010; 4(14): 1469-1474.	
153.	Fariha Hasan, Aamer Ali Shah , Sundas Javed, Abdul Hameed. Enzymes used in detergents: Lipases. <i>Afri. J. Biotechnol.</i> , 2010; 9(31), 4836-4844.	0.573
154.	Bashir Ahmad, Imran Javed, Aamer Ali Shah , Abdul Hameed Fariha Hasan. Growth characteristics of psychrotrophic bacteria isolated from -20°C freezer. <i>Afri. J. Biotechnol.</i> , 2010; 9(5): 718-724.	0.573
155.	Mehwish Riaz, Aamer Ali Shah , Abdul Hameed, Fariha Hasan. Characterization of lipase produced by <i>Bacillus</i> sp. FH5 in immobilized and free state. <i>Annal of Microbiology</i> 2010; 60(1): 169-175.	3.168
156.	Aamer Ali Shah , Fariha Hasan, Abdul Hameed. Degradation of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) by a newly isolated <i>Actinomadura</i> sp. AF-555 from soil. <i>International Biodeterioration and Biodegradation</i> 2010; 64: 281-285.	4.907
157.	Fariha Hasan, Aamer Ali Shah , Abdul Hameed. Methods for detection and characterization of lipases: A comprehensive review. <i>Biotechnology Advances</i> 2009; 27: 782-798.	17.681
158.	Hamayun M, SA Khan, AL Khan, AA Shah , G Rehman, EY Sohn, SK Kim, GJ Joo and IJ Lee. <i>Phoma herbarum</i> as a New Gibberellin-Producing and Plant Growth-Promoting Fungus. <i>Journal of Microbiology and Biotechnology</i> 2009; 19(10): 1244-1249.	3.277
159.	Aamer Ali Shah , Fariha Hasan, Abdul Hameed, Javed Iqbal Akhter. Isolation of <i>Fusarium</i> sp. AF-4 with the ability to adhere the surface of polyethylene. <i>Afri. J. Microbiol. Res.</i> , 2009; 10(3): 658-663.	0.539
160.	Ziaullah Shah, Aamer Ali Shah , Abdul Hameed, Fariha Hasan. Effect of pretreatments on enhanced degradation of polyisoprene rubber by new isolated <i>Bacillus</i> sp. S10. <i>Journal of the Chemical Society of Pakistan</i> 2009; 31(4): 638-646.	0.536
161.	Fariha Hasan, Samiullah Khan, Aamer Ali Shah , Abdul Hameed. Production of antibacterial compounds by free and immobilized <i>Bacillus pumilus</i> SAF1. <i>Pakistan Journal of Botany</i> 2009; 41(3): 1499-1510.	1.101
162.	Shah, A. A. , Hasan, F., Hameed, A., Ahmed, S. Biological degradation of plastics: a comprehensive review. <i>Biotechnology Advances</i> 2008; 26: 246-265.	17.681
163.	Shah, A. A. , Hasan, F., Hameed, A., Ahmed, S. A novel poly(3-hydroxybutyrate)-degrading <i>Streptovorticillium kashmirensis</i> AF1 isolated from sewage sludge and purification of PHB-depolymerase. <i>Acta Biologica Hungarica</i> , 2008; 59(4): 489-499.	0.585
164.	Yasin M., Shah, A. A. , Hameed, A., Ahmed, S., Hasan, F. Use of Microorganisms for the Treatment of Trinitrotoluene (TNT) Containing Effluents. <i>Journal of the Chemical Society of Pakistan</i> 2008; 30(3): 442-448.	0.536
165.	Shah, A. A. , Hasan, F., Hameed, A. Ahmed, S. Degradation of Polyurethane by novel bacterial consortium isolated from soil. <i>Annals of Microbiology</i> 2008; 58(3): 381-386.	3.168
166.	Shaheen, M., Shah, A. A. , Hameed, A., Hasan, F. Influence of culture conditions on production and activity of protease from <i>Bacillus subtilis</i> BS1. <i>Pakistan Journal of Botany</i> 2008; 40(3): 2161-2169.	1.101
167.	Shah, A. A. , Hasan, F., Hameed, A. Ahmed, S. Isolation and characterization of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) degrading actinomycetes and purification of PHBV depolymerase from newly isolated <i>Streptovorticillium kashmirensis</i> AF1. <i>Annals of Microbiology</i> 2007; 57(4): 583-588.	3.168
168.	Murad, S., Hasan, F., Shah, A. A. , Hameed, A., Ahmed, S. Isolation of phthalic acid degrading <i>Pseudomonas</i> sp. P1 from soil. <i>Pak. J. Bot.</i> 2007; 39(5): 1833-1841.	1.101
169.	Awais M., Shah A. A. , Hameed A., Hasan F. Isolation, identification and optimization of bacitracin producing <i>Bacillus</i> sp. <i>Pak. J. Bot.</i> 2007; 39(4): 1303-1312.	1.101
170.	Hasan, F., Shah, A. A. , Hameed, A. Ahmed, S. Synergistic effect of photo and chemical treatment on the rate of biodegradation of low density polyethylene by <i>Fusarium</i> sp. AF4. <i>J. Appl. Polym. Sci.</i> , 2007; 105(3): 1466-1470.	3.057
171.	Shah, A. A. , Hasan, F., Hameed, A. Ahmed, S. Isolation and characterization of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) degrading bacteria and purification of PHBV	4.907

	depolymerase from newly isolated <i>Bacillus</i> sp. AF3. International Biodeterioration and Biodegradation 2007; 60: 109-115.	
172.	Hasan F., Shah A. A. , Hameed A. Purification and characterization of a mesophilic lipase from <i>Bacillus subtilis</i> FH5 stable at high temperature and pH. Acta Biologica Hungarica 2007; 58: 115-132.	0.585
173.	Hasan F., Shah A. A. , Hameed A. Influence of culture conditions on lipase production by <i>Bacillus</i> sp. FH5. Annal. Microbiol., 2006; 56(3): 247-252.	3.168
174.	Hasan F., Shah A. A. , Hameed A. Industrial applications of microbial lipases. Enzyme and Microbial Technology 2006; 39: 235-251.	3.705
175.	Shah. A. A. , F. Hasan, S. Ahmed and A. Hameed. Extended Spectrum Beta-lactamases Epidemiology, characterization and detection. Critical Reviews in Microbiology 2004; 30: 25-32.	7.624
176.	Shah, A. A. , F. Hasan, S. Ahmed and A. Hameed. Characteristics, epidemiology and clinical importance of emerging strains of Gram-negative bacilli producing extended- spectrum beta-lactamases. Research in Microbiology 2004; 155: 409-421.	3.946
177.	Shah, A. A. , Hasan, F., Ahmed, S., Hameed, A. Prevalence of extended-spectrum β -lactamases in nosocomial and out-door patients. Pak. J. Med. Sci. 2003; 19(3): 187-191.	2.340
178.	Shah, A. A. , Hasan, F., Ahmed, S., Hameed, A. Extended-spectrum β -lactamases in Enterobacteriaceae: Related to age and gender. New Microbiologica, 2002; 25: 363-366.	1.383
179.	Shah, A. A. , Hasan, F., Ahmed, S., Hameed, A. Studies on the incidence of enterobacteriaceae in nosocomial and outpatient departments. Pak. J. Med. Res., 2002; 41(1): 4-8.	
	Total	>500

9. INTERNATIONAL CONFERENCES ATTENDED (ORAL/POSTERS)

1. Keynote speaker at Pakistan-China collaborative workshop on Biomanufacturing held at Dalian Institute of Chemical Physics (DICP), China December 14-15, 2023.
2. Keynote Speaker at 8th Multi Disciplinary Student Research International Conference at University of Wah held on December 06-07, 2023.
3. Wasim Sajjad, Fariha Aman Nazir, Iffat Aziz, Saira Bano, Fariha Hasan, **Aamer Ali Shah**. Anti-proliferative and Anti-oxidant Activities of Prodigiosin Extracted from Radio-resistant *Streptomyces* sp. strain WMA-LM31. ASM Microbes 2018 organized by American Society of Microbiology held on June 07-11, 2018 at Georgia World Congress Center, Atlanta, USA.
4. Wasim Sajjad, Manzoor Ahmed, Salman Khan, Sunniya Ilyas, Fariha Hasan, **Aamer Ali Shah**. Relationship between carotenoid pigments and resistance to ultra-violet radiation in newly isolated *Deinococcus* sp. strain WMA-LM9. Extremophiles 2016: 11th International Congress on Extremophiles held on September 12-16, 2016, Kyoto, Japan.
5. **Aamer Ali Shah**, Ahmed Nawaz, Fariha Hasan. Purification and characterization of a depolymerase enzyme from *Brevundimonas* sp. that degrade aliphatic polyesters. VI International Conference on Environment, Industrial and Applied Microbiology (BioMicroWorld 2015) October 28-30, 2015, Barcelona, Spain.
6. Ayesha Aslam, Kanwal Rafique, Fariha Hasan, Aamer Ikram, Irfan Ali Mirza, Mahmoud A. Ghannoum, **Aamer Ali Shah**. Antifungal susceptibility and biofilm characterization of *Candida* species isolated from a Tertiary Care Hospital, Rawalpindi, Pakistan. IUMS 2014 Congresses, July 27-August 01, 2014, Montreal, Canada.
7. **Aamer Ali Shah**, Tomoaki Eguchi, Fumie Ichihashi, Daisuke Mayumi, Satoshi Kato, Noboru Shintani, Toshiaki Nakajima-Kambe. Degradation of aliphatic and aliphatic aromatic co-polyesters by depolymerases from *Roseateles* depolymerans TB-87. FEMS Congress 2013: 5th Congress of European Microbiologists, July 21-25, 2013, Leipzig, Germany.
8. **Aamer Ali Shah**, Tomoaki Eguchi, Fumie Ichihashi, Daisuke Mayumi, Satoshi Kato, Noboru Shintani, Toshiaki Nakajima-Kambe. Purification and properties of novel aliphatic-aromatic copolyester degrading enzymes from newly isolated *Roseateles depolymerans* strain TB-87. 1st Biotechnology Congress, February 12-14, 2012, Dubai, UAE.
9. **Aamer Ali Shah**, Akhter Nadhman, Fariha Hasan, Z. Shah, A. Hameed. Isolation of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) depolymerase producing *Aspergillus fumigatus* from soil. 9th International Mycological Congress, August 1-6, 2010, Edinburgh, UK.
10. **Aamer Ali Shah**, Sumaira Shah, Abdul Hameed, Fariha Hasan. Factors affecting biodegradation of poly (3-hydroxybutyrate) and poly (3-hydroxybutyrate-co-3-hydroxyvalerate) (reference 0062) BioSysBio Conference 2009. Synthetic Biology, Systems Biology and Bioinformatics. 23 - 25 March, 2009, University of Cambridge, UK.

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11. Fariha Hasan, Abid Makhdoom, **Aamer Ali Shah** and Abdul Hameed. Biodegradation of 2, 4- dinitrotoluene by bacteria isolated from TNT containing effluent (reference 0063) Bio Sys Bio Conference 2009. Synthetic Biology, Systems Biology and Bioinformatics. 23 - 25 March, 2009, University of Cambridge, UK.
12. **Aamer Ali Shah**, Fariha Hasan, Abdul Hameed, Safia Ahmed. "Scanning Electron Microscopy and Fourier Transform Infra-Red Spectroscopy Analysis of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) degradation after soil burial". II International Conference on Environmental, Industrial and Applied Microbiology (BioMicroWorld2007), Nov. 28 - Dec. 01, 2007, Seville, Spain.
13. Fariha Hasan, Ziaullah Shah, **Aamer Ali Shah**, Safia Ahmed, Abdul Hameed. "Isolation of Polyisoprene rubber degrading *Bacillus* sp. S10 from sewage sludge". II International Conference on Environmental, Industrial and Applied Microbiology (BioMicroWorld2007), Nov. 28 - Dec. 01, 2007, Seville, Spain.
14. Abdul Hameed, Hafiz Ullah, **Aamer Ali Shah**, Fariha Hasan. Biodegradation of Trinitrotoluene by Immobilized *Bacillus* sp. YRE1. II International Conference on Environmental, Industrial and Applied Microbiology (BioMicroWorld2007), Nov. 28 - Dec. 01, 2007, Seville, Spain.
15. Safia Ahmed, Mariam Asif, Fariha Hasan, Naima Atiq, **Aamer Ali Shah**, Abdul Hameed. Fungal Degradation of Polystyrene. II International Conference on Environmental, Industrial and Applied Microbiology (BioMicroWorld2007), Nov. 28 - Dec. 01, 2007, Seville, Spain.
16. Fariha Hasan, Sheeba Murad, **Aamer Ali Shah**, Abdul Hameed, Safia Ahmed. Microbial degradation of plasticizers. Fifth International Biennial Conference of Pakistan Society for Microbiology, held on Jan 10-15, 2005 in Karachi, Pakistan.
17. Sheeba Murad, Fariha Hasan, **Aamer Ali Shah**, Safia Ahmed. Isolation of Phthalic acid degrading bacteria. Second National Conference on "Biotechnology and Emerging Sciences", organized by BUITMS, held on March 15-17, 2005, in Quetta, Pakistan.
18. **Aamer Ali Shah**, Fariha Hasan, Abdul Hameed, Safia Ahmed. A study on the isolation of fungi with the ability to adhere to polyethylene films. 4th International Symposium of Genetic Engineering and Biotechnology on "Genomics, Bioinformatics, Biotechnology & Economic Development", organized by Centre for Molecular Genetics, University of Karachi in collaboration with Kohat University of Science & Technology, Kohat, held during December 4-8, 2005.

10. CONFERENCES/WORKSHOPS ORGANIZED

1. Member Scientific Organizing Committee in upcoming Eurasian Congress on Molecular Biotechnology going to be held at Karadeniz Technical University, Trabzon, Turkey on September 19-21, 2019. Details could be accessed through the following link: <http://ecomb.ktu.edu.tr/committees/#1548923201452-80a2b935-1be4>
2. Organizing Faculty in 2nd National Training workshop on "Enzyme Engineering: An Efficient Tool to Improve Properties of Industrial Biocatalysis" organized by National Institute of Biotechnology and Genetic Engineering (NIBGE), Faisalabad on December 5-7, 2016.
3. 6th International Biennial Conference of Microbiology organized by Department of Microbiology, Quaid-i-Azam University, Islamabad and Pakistan Society for Microbiology in collaboration with Higher Education Commission, Pakistan, held during March 18-21, 2007.
4. Training programme on "Recognition and identification of pirated and counterfeit CDs and DVDs, organized by IPO-Pakistan in cooperation with International Federation of The Phonographic Industry (IFPI) and Motion Picture Association (MPA), held during December 17-18, 2006.
5. WIPO National Workshop on "Trademarks and The Madrid System" in collaboration with Intellectual Property Organization and European Union, Pakistan, held during December 4-5, 2006.
6. Workshop on Biochemical Engineering and Fermenter Applications in collaboration with Bioengineering Switzerland at the Department of Microbiology, Quaid-i-Azam held during August 15, 2006.
7. Workshop on "Identification, maintenance and preservation of microorganisms" organized by Department of Microbiology, Quaid-i-Azam University, Islamabad, held during May 10-12, 2004.

11. WORKSHOPS/TRAINING COURSES PARTICIPATED

1. Basic I.T. Training course at University of Lahore, Islamabad, organized by Pakistan Computer Bureau, Ministry of Information Technology, Islamabad, held during November 20 to December 16, 2006.
2. National Training Workshop on "Protection of Intellectual Property Rights in the use of Information Technologies (ICTs), Islamabad, organized by Pakistan National Commission for UNESCO, held during December 19-22, 2006.
3. Certificate course on "Intellectual Property Rights" attended at Faculty of Management Sciences, International Islamic University, Islamabad, held during June 27 to July 10, 2006.

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4. Training workshop and served as Lab Technician in field activities on “National Nutrition Survey 2001-2002, organized by Pakistan Institute of Development Economics, Government of Pakistan in collaboration of UNICEF, Pakistan, held during September 03 to October 30, 2001.
5. Training course on “NIH/MoH/WHO Antimicrobial Susceptibility Testing”, organized by National Institute of Health in collaboration with WHO, Pakistan held during October 28-30, 1999.

12. EXPERIENCE OF WORKING WITH INTERNATIONAL BODIES

No.	International Bodies	Institution	Purpose of work
1.	Prof. Javier A. Linares-Pastén	Department of Chemistry, Lund University, Sweden	<ol style="list-style-type: none"> 1. Joint research collaboration 2. Joint research publications
2.	Prof. Yongjin Zhou	Chinese Academy of Sciences, Dalian, China	<ol style="list-style-type: none"> 3. Joint research collaboration 4. Bilateral visit of research facilities for sharing experiences 5. Mutual exchange of students for learning latest research techniques and capacity building
3.	Prof. Toshiaki Nakajima-Kambe	University of Tsukuba, Japan	<ol style="list-style-type: none"> 1. Joint research collaboration 2. Bilateral visit of research facilities for sharing experiences 3. Mutual exchange of students for learning latest research techniques and capacity building 4. Joint research publications
4.	<ol style="list-style-type: none"> a. Prof. Ali Osman Belduz b. Prof. Sabriye Canakci 	Karadeniz Technical University, Trabzon, Turkey	<ol style="list-style-type: none"> 1. Joint research collaboration 2. Bilateral visit of research facilities for sharing experiences 3. Mutual exchange of students for learning latest research techniques and capacity building 4. Joint research publications
5.	Prof. Steven Ripp	University of Tennessee, Knoxville, USA	<ol style="list-style-type: none"> 1. Joint research collaboration 2. Visit of research facilities for sharing experiences 3. Mutual exchange of students for learning latest research techniques and capacity building 4. Joint research publications
6.	Prof. Arthur J. Ragauskas	University of Tennessee, Knoxville, USA	<ol style="list-style-type: none"> 1. Joint research collaboration 2. Joint research publications
7.	Prof. Rafael Auras	Michigan State University, Michigan, USA	<ol style="list-style-type: none"> 3. Joint research collaboration 4. Bilateral visit of research facilities for sharing experiences 5. Mutual exchange of students for learning latest research techniques and capacity building 6. Joint research publications

13. PH.D/M.PHIL/BS STUDENTS SUPERVISED

Students	Supervised	Under Supervision
Ph.D	18	05
M.Phil	85	07
BS	20	08

14. PH.D SUPERVISED

No.	Name	Thesis Title	Year
1	Asim ur Rehman	Studies on Siderophores from Radio-resistant Bacteria Isolated and their Bioactive Potential	2023
2	Salahuddin	Biodegradation of Polyethylene Terephthalate by Bacteria Isolated from Soil.	2023
3	Kalsoom	Role of Metallo-resistant Microorganisms in Remediation of Heavy Metals using Biofilter	2022
4	Jadoon Khan	Identification and Molecular Characterization of Antigenic Peptides of Echinococcus	2022
5	Sanam Islam Khan	Biodegradation of lignin by bacteria isolate from pulp and paper mill effluent	2021
6	Saba Farooq	Biological Characterization and Comparative Diagnostics of <i>Mycoplasma galisepticum</i> isolates	2021
7	Zainab Khattak	Molecular Epidemiological Studies of Adenovirus Infections in children in Pakistan	2020
8	Pervaiz Ali Sakhi	Diversity of Psychrophilic Bacteria From Batura Glacier Pakistan and Their Potential Industrial Applications	2020
9	Ghufranud Din	Role of Metallo-Resistant Microorganisms in Remediation and Monitoring of Heavy Metals from Industrial Waste	2019
10	Sadia Mehmood Satti	Microbial degradation of polyester based biodegradable plastics	2018
11	Mutiullah	Molecular epidemiology of vancomycin resistant enterococci in hospitalized patients of Rawalpindi/Islamabad	2018
12	Saba Rafique	Seroprevalence and molecular characterization of Infectious bronchitis virus variants from poultry in Pakistan	2018
13	Wasim Sajjad	Production and characterization of extremolytes from indigenous radioresistant microorganisms and their evaluation for potential biotechnological applications	2017
14	Ghulam Mujtaba	Molecular Characterization of Human Cytomegalovirus Strains causing Infections in Immuno-compromised Pakistani population	2017
15	Muhammad Irfan	Cloning, functional expression and site-directed mutagenesis of thermostable xylanases from <i>Geobacillus thermodenitrificans</i>	2017
16	Muzna Hashmi	Enhanced production of biofuel from sugar industry waste	2016
17	Ayesha Aslam	Prevalence, antifungal susceptibility and biofilm characterization of Candida species isolated from Tertiary Care Hospitals, Rawalpindi, Pakistan.	2016
18	Ziaullah Shah	Microbial degradation of polyester polyurethane	2013

15. M.PHIL SUPERVISED

No.	Name	Thesis title	Year
1.	Wasia Farooq	Production and Characterization of Laccase from <i>Trametes Ljubarskyi</i> for the Treatment of Pulp and Paper Mill Effluent	2024
2.	Arjmand Shamraiz	Production and Characterization of Cutinase from <i>Bacillus altitudinis</i> Strain CS2 that Degrade Polyethylene Terephthalate (PET) at Mesophilic Temperature	2024
3.	Nadia Hujasta	Purification and Characterization of Cellulase from <i>Alcaligenes</i> Strain CS6 Isolated from Compost Soil	2024
4.	Afaq Ahmad	Invitro Evaluation of Bioactive Metabolites from UV-resistant Bacterial strain Isolated from Cholistan Desert, Pakistan.	2024

5.	Asma Mukhtiar	Evaluation of Lignin Degradation Potential of Fungi Isolated from Pulp and Paper Mill Effluent	2024
6.	Laiba Raees	Production and Characterization of Cutinase from Polyethylene Terephthalate (PET) Degrading Bacterial Strain Isolated from Compost Soil	2024
7.	Noor ul Huda	Isolation of Thermophilic Bacteria from Hot Spring and Exploring Their Role in Lignin Valorization	2023
8.	Yawar Saeed	Purification and Characterization of Cellulases and Xylanases from Bacterial Isolates for Hydrolysis of Pretreated Sugarcane Bagasse	2023
9.	Shayan Naeem	Pharmacological Properties of Bioactive Metabolites from Wild Mushrooms of Azad Jammu and Kashmir Region	2023
10.	Muhammad Abdullah	Production and Characterization of Extremolytes from Radioresistant Bacteria of Garam Chashma, Chitral, Pakistan	2023
11.	Sadiq Ahmed	Production of Siderophores from Radioresistant <i>Aspergillus niger</i> and its Role in Heavy Metal Chelation	2023
12.	Zulqarnain Zulfiqar	Role of Lignin Degrading Microorganisms in Treatment of Pulp and Paper Mill Effluent using Lab-Scale Bioreactor	2023
13.	Laiq Zada	In vitro Inactivation of Antibiotic Resistant Bacteria using Antibacterial Photodynamic Therapy (APDT)	2023
14.	Hafsa Atique	Production and Characterization of Cutinase from Fungal Species that Degrade Polyethylene Terephthalate (PET) at Mesophilic Temperature	2022
15.	Aman Hanif	Bioremediation of Chromium from Industrial Wastewater using Packed-Bed Biofilter	2022
16.	Ayesha Israr	Enzymatic Hydrolysis of Alkali-Organosolvent Pretreated Sugarcane Bagasse for Enhanced Yield of Fermentable Sugars	2022
17.	Mehlayl Tariq	Production and Characterization of Lignin-Degrading Manganese Peroxidase from <i>Bacillus</i> Specie Isolated from Pulp and Paper Mill Effluent	2022
18.	Nazia Shah	Role of Exopolysaccharides from Metallo-resistant Bacteria in Removal of Heavy Metals from Industrial Waste	2022
19.	Madiha Siddiqui	Elucidation of Ligninolysis Mechanism of <i>Bacillus</i> sp. Isolated from Pulp and Paper Mill Effluent	2022
20.	Hafiza Zirwa Noor	Biodegradation of Polyethylene Terephthalate (PET) by Fungi Isolated from Soil.	2022
21.	Sidra Nazir	Production of Lignin Degrading Peroxidase from <i>Bacillus</i> sp. Strain BL5 isolated from Pulp and Paper Mill Effluent	2021
22.	Aftab Ali	Extraction and Characterization of Siderophores from Radioresistant Bacterium, <i>Bacillus thaonhiensis</i> Strain TMM-8	2021
23.	Afshan Batool	Bioremediation of Chromium by Bacteria Isolated from Industrial Waste	2021
24.	Risfa	Purification and Characterization of Poly(Ethylene Terephthalate) Degrading Cutinase from <i>Pseudomonas aeruginosa</i> Strain S4	2021
25.	Mahnoor Nadeem	Invitro Biological Activities of Cellular Extract from Radio-resistant <i>Micromonospora aurantiaca</i> strain TMC-15 Isolated from Thal Desert, Pakistan	2019
26.	Sobia Nasr	Purification and Characterization of L-asparaginase from <i>Bacillus</i> sp. strain PB-15 Isolated from Soil	2019
27.	Ayesha Ahmed Choudhry	Extraction and Characterization of Bioactive Compounds from Radio-resistant Bacterium, <i>Bacillus indicus</i> strain TMC-6	2019
28.	Asaf Zarin	Biodegradation of Lignin by Indigenous Bacterial isolates from Pulp and Paper Mill effluent	2019
29.	Hazrat Noor	Purification and Characterization of Poly (lactic acid) degrading Esterase from Newly Isolated Bacterial Strain <i>Pseudomonas aeruginosa</i> S3	2019
30.	Asifa Farooqi	Characterization of mercury resistant bacterial strains from Industrial Waste and its Potential Role in Mercury Transformation	2019
31.	Habiba Nasir	Isolation And Characterization Of Lignin Degrading Fungi From Paper And Pulp Mill Effluents	2019

32.	Tayyaba Alam	Extraction and purification of bioactive compounds from UV-resistant bacterial strain isolated from Thal Desert, Pakistan	2018
33.	Rameesha Hayat	Isolation and characterization of metallo-resistant microorganisms from soil and evaluation of their metal chelation potential	2018
34.	Salahuddin	Biodegradation of polyethylene terephthalate (PET) by bacteria isolated from marine water	2018
35.	Madiha Azam	Biological activity of cellular extract from radio-resistant bacterium <i>Kocuria turfanesis</i> WMA-BD1 isolated from Desert Soil	2018
36.	Syed Mohammad Abrar Hussain	Isolation and characterization of metallo-resistant fungus and its role in leaching of metals from contaminated soil	2018
37.	Syed Izhar Hussian	Isolation and identification of metallo-resistant bacteria from metal polluted soil and their role in metals removal	2018
38.	Amna Mumtaz Abbasi	Degradation of poly(lactic acid) PLA by a newly isolated bacterium from compost soil	2018
39.	Jawairia Kiran	Immobilization of partially purified β -1-4 xylanase from <i>Bacillus licheniformis</i> and <i>Thermomyces lanuginosus</i>	2018
40.	Salahuddin	Production and characterization of xylanase from <i>Thermomyces lanuginosus</i> isolated from hot spring	2017
41.	Misbah Ayub Awan	In vitro biological activities of cellular extract from a radio-resistant <i>Oscillatoria</i> sp. strain WMA-CY1 isolated from fresh water	2017
42.	Syeda Amna Farooq	Biodegradation of aliphatic polyesters by a fungus <i>Aspergillus fumigatus</i> isolated from soil	2017
43.	Ameenullah	Production, purification and characterization of xylanase enzyme from bacterial strains isolated from hot springs	2017
44.	Ambreen Zubair	Production and characterization of cellulase from <i>Bacillus subtilis</i> ML1 and its application in ethanol production	2017
45.	Sundas Qadir	Evaluation of extremolytes for their anti-oxidant potential from newly isolated radio-resistant bacterium <i>Stenotrophomonas</i> sp. WMA-LM19	2017
46.	Sehrish Asghar	Production, optimization and characterization of poly(3-hydroxybutyrate-co-hydroxyvalerate) depolymerase from <i>Penicillium oxalicum</i> isolation from soil.	2016
47.	Suraiya Anwar Wazir	Production and characterization of phosphatases from newly isolated soil bacterium.	2016
48.	Faryal Ghaffar	Isolation of fungal strain from environmental samples and its potential role in leaching of metal ions	2016
49.	Sunniya Ilyas	Biological activity of carotenoid pigment extracted from radio-resistant <i>Deinococcus</i> sp. strain WMA-LM9	2016
50.	Muhammad Osman	Degradation of polyester-based biodegradable plastic by <i>Aspergillus fumigatus</i> isolated from soil	2016
51.	Hasan Mustafa	Production of L-asparaginase enzyme from newly isolated <i>Bacillus</i> sp. from soil.	2016
52.	Salman Khan	Phylogenetic diversity of ultra-violet radiation (UV-R) resistant bacteria isolated from desert	2016
53.	Ayesha Luqman	Isolation and Characterization of a Polyester Degrading Fungal Strain from Soil.	2015
54.	Manzoor Ahmed	Extraction of an Anti-oxidant from Newly Isolated Radioresistant <i>Deinococcus</i> sp. Strain MRL-WMA From Environmental Samples.	2015
55.	Maryam	Isolation and Characterization of Phosphate Solubilizing Bacterium from Soil.	2015
56.	Arfa Hasan	Studies on Investigation of Phosphate Solubilizing Efficiency of a Fungal Strain Isolated from Soil.	2015
57.	Maryam Tahir Siddiqui	Sequence analysis of fluconazole resistant ERG11 gene among clinical MDR <i>Candida</i> isolates	2015

58.	Saifullah	Production and characterization of xylanases from <i>Bacillus pumilus</i> strain isolated from water	2015
59.	Fakhra Hanif	L-asparaginase production from a newly isolated bacterium from soil	2015
60.	Matiullah	Seroprevalence of Hepatitis C virus infection in Kohat Division of Khyber Pukhtoon Khwah	2015
61.	Wasim Sajjad	Isolation and characterization of acidophiles from acid mine drainage and black shale from Khala Chatta, Khyber Pukhtoon Khwa	2014
62.	Samia Jabeen Umer	Prevalence and antibiotic susceptibility of Streptococcus species in specimens collected from a tertiary care hospital, Islamabad	2014
63.	Sabir Nawaz	Prevalence of vancomycin resistant enterococci in tertiary care hospitals of Islamabad/Rawalpindi	2014
64.	Lubna Kanwal	Isolation and identification of polycaprolactone degrading thermophiles from hot water spring	2014
65.	Ahmed Nawaz	Isolation of aliphatic polyester degrading bacterial strains from soil	2014
66.	Sumayia Sheikh	Prevalence and antimicrobial susceptibility pattern of <i>Salmonella typhi</i> and <i>Salmonella paratyphi</i> in clinical samples from a tertiary care hospital in Islamabad	2014
67.	Sidra Batool	Prevalence of multi-drug resistant gram-negative bacilli in urinary tract infection	2014
68.	Kanwal Rafique	Species distribution and antifungal susceptibility of Candidate isolates among hospital and community acquired infection	2013
69.	Ammara Tayyab	Production of cellulase enzyme from a thermophilic bacterial strain isolated from hot water spring	2013
70.	Hasan Wasim	Detection of Cytomegalovirus among pregnant women	2013
71.	Saddiq Akbar	Purification and characterization of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) depolymerase from <i>Streptomyces</i> sp. AF111	2011
72.	Samman Bashir	Characterization of PHB depolymerase produced by <i>Actinomadura</i> sp. AF-555	2011
73.	Shahzeera Begum	Prevalence of multidrug resistant <i>Acinetobacter baumannii</i> in hospitalized patients	2011
74.	Nazif Ullah Khan	Detection of Adenoviruses in Hospitalized Children's with Acute gastroenteritis under the Age of five years	2011
75.	Obaid Ullah	Prevalence of vancomycin resistant enterococci in hospitalized patients in Islamabad, Pakistan	2010
76.	Sabir Rehman	Comparative study of different serological tests for diagnosis of Brucellosis in Buffaloes	2010
77.	Mohsin Gulzar	Degradation of polyester polyurethane by newly isolated bacterial consortium from soil	2010
78.	Khaliq Noor	Antimicrobial susceptibility of biofilm forming <i>Pseudomonas aeruginosa</i> isolated from hospital environment	2010
79.	Muttiullah	Isolation of polyurethane degrading <i>Bacillus</i> sp. from soil	2010
80.	Akhtar Nadhman	Production and purification of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) depolymerase from <i>Aspergillus fumigates</i>	2010
81.	Faiza Safeer	Comparative study on susceptibility of ESBL and non-ESBL producing <i>Klebsiella pneumoniae</i> against non- β -lactam antibiotics	2010
82.	Zainab Zubair	Isolation of multi-drug resistant gram negative bacilli from post operative surgical wounds	2010
83.	Faizul Amin	Isolation identification and characterization of poly(3-hydroxybutyrate) degrading <i>Streptomyces</i> sp.	2009
84.	Shah Faisal	Isolation, identification and characterization of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) degrading <i>Aspergillus fumigatus</i>	2009
85.	Mohsin Khurshid	Association of Diabetes Mellitus and Chronic Hepatitis B Virus Infection.	2009

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86.	Adil Farooq Lodhi	Optimization of Culture Conditions for the Production of Poly (3-Hydroxybutyrate) Depolymerase from <i>Aspergillus</i> Spp	2009
87.	Sadaf Bakhtiar	Molecular characterization of indigenous extended-spectrum beta-lactamases producing <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i>	2008
88.	Haji Khan	Purification, immobilization and stability of lipase produced by <i>Bacillus</i> sp. FH5	2008

16. BOOK PUBLISHED

“Role of microorganisms in biodegradation of plastics” (2009) with ISBN No. 978-3-639-11808-7, has been published by VDM Verlag Dr. Müller AG & Co. KG (www.vdm-verlag.de).

17. BOOK CHAPTER

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18. COURSES TAUGHT

Course Title	Credit Hours	M.Sc./M.Phil/PhD
Fundamentals of Microbiology	3	BS/M.Sc.
Medical Microbiology	3	BS/M.Sc.
Clinical Microbiology	3	BS/M.Sc.
Industrial Microbiology	3	BS/M.Sc.
Soil Microbiology	3	BS/M.Sc.
Environmental Microbiology	3	BS/M.Sc.
Extremophiles	3	M.Phil/Ph.D
Advances in Microbiology	3	M.Phil/Ph.D
Biosafety and Biosecurity	3	M.Phil/Ph.D
Biodegradation	3	M.Phil/Ph.D
Applications of Biotechnology	3	M.Phil/Ph.D
Lab-4	3	M.Sc.
Lab-1	3	M.Sc.

19. OTHER ADMINISTRATIVE ACTIVITIES/COMMUNITY WORK

A. Departmental Level:

- i. Member M.Sc, M.Phil and Ph.D Admission Committee
- ii. Member Board of Studies
- iii. Course Coordinator (2014-15)
- iv. Student Advisor (2014-2016)
- v. Incharge Non-teaching Staff (2017-18)

B. University Level:

- i. Member Board of Faculty
- ii. Member Academic Council, Quaid-i-Azam University
- iii. Member Scholarship Committee
- iv. Executive Member, Academic Staff Association (2019-20)
- v. Member Committee for Need Based Financial Assistance
- vi. Member Bioethics Committee, QAU
- vii. Member Committee on Revision of Criteria for Performance Based Increments (Faculty of Biological Sciences; 2014-15)

C. National Level

- i. Member Board of Studies (Department of Microbiology, QAU; Faculty of Sciences, AIOU, Sarhad University & COBAM, Peshawar University; Haripur University)

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- ii. Member Departmental Tenure Review Committee (DTRC), QAU; COBAM, Peshawar University; Department of Microbiology, Kohat University; Shaheed Benazir Bhutto Women University, Peshawar, University of Haripur
- iii. External examiner for Center of Biotechnology and Microbiology, Peshawar, Abdul Wali Khan University, Malakand University, KPK; COMSATS University, Islamabad; NUST, Islamabad; Haripur University
- iv. Reviewer of research grants: Higher Education Commission (HEC), Pakistan Science Foundation (PSF),

D. International Level

- i. Member, American Society of Microbiology (Global Outreach Program)
- ii. Member Pakistan Society for Microbiology (PSM), Karachi
- iii. Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEEES), Singapore
- iv. Reviewer of Peer reviewed International Journals: Nature; International Journal of Biological Macromolecules; Molecules; Science of the Total Environment; Environmental Technology; Journal of Basic Microbiology; International Biodeterioration & Biodegradation; International Journal of Environmental Science and Technology; Polymer Degradation and Stability; Process Biochemistry; Enzyme and Microbial Technology; FEMS Microbial Ecology; Mycologia; Journal of Biosciences and Bioengineering; PLoS One; Journal of Pakistan Chemical Society and others.