

(1st Nov. 2022 to to

Assistant Professor (BPS-19)

WORK EXPERIENCE

(1st Nov 2023 to to-date)

Department of Microbiology

Ikarm ul Haq Institute of Industrial Biotechnology (IIIB)

Government College University Lahore

Lecture (BPS-18)

(2nd Nov 2017 to 31st Oct 2023)

IoM UVAS LAHORE

Total Experience: 7 Years and 6 months
Post PhD Experience: 6 Years and 15 days
IFBA Certified Professional in BRM (2023)
IFBA Certified Professional in Biosecurity (2024)
IFBA Certified professional in Biological Waste Management (2025)

Dr. SABA SANA

Father's Name: SANA ULLAH
Present Address: Department of
Microbiology. IIIB GCU Lahore
Phone Nov. 192, 3088805081

Phone No: +92-3088805081

Email: saba.sana@gcu.edu.pk

ORCID: 0009-0003-6837-3209

RELEVANT SKILLS

- ✓ Culturing and Identification of Bacterial Pathogens
- ✓ Culturing and Identification of Fungi
 - ✓ Genome Extraction & PCR
 - ✓ SDS-PAGE
 - ✓ HA, HI, RBPT
 - ✓ ELISA

EDUCATION HISTORY

• PhD Microbiology

UVAS Lahore

4.00/4.00

• M.Phil Microbiology

(Silver Medal)

UVAS Lahore

4.00/4.00

(91.38)

• BS (Hons.) Applied Microbiology

(Gold Medal)

UVAS Lahore

3.92/4.00

(85%)

• HSSC (FSc- Pre-Medical)

BISE Multan

835/1100

(76%)

• SSC (Matriculation)

BISE Multan

718/850

(84%)

1. Research work done:

#	Title (Topic)	Progress
1	Purification and characterization of aflatoxin produced by indigenous aspergilli under optimized conditions	Completed
2	Antifungal Activity of essential oils against aflatoxin producing Aspergillus flavus	Completed
3	Characterization of Indigenous yeast isolates as toxin binders isolated from fruits	Completed
4	Evaluation of Alternative Therapeutic agents to antibiotics against resistant uro-pathogenic bacteria	Completed
5	Molecular Characterization of Dermatophytes, Susceptibility Pattern and Resistance Modulation to Antifungals by Thymoquinone	Completed
6	Isolation, characterization of Cryptococcus, Antifungal Susceptibility	In-
	Profile and Respurposing drugs	Progress
7	Isolation, characterization of Candida spp. Antifungal Susceptibility Profile	In-
	and Respurposing drugs	Progress
8	Evaluation of nanoparticles agents to antibiotics against resistant <i>Staphylococcus aureus</i>	Completed
9	Antifungal Activity of nanoparticles and plant extracts against mycotoxin producing <i>fungi</i>	In- Progress
10	Anti-toxigenic evaluation in grains by different compounds	In- Progress

2. SCIENTIFIC RESEARCH PAPERS/ BOOKS

Books

- 1. Fundamentals of Microbiology: A Laboratory Manual. Saba Sana, Ali Ahmad Sheikh, Zoya Maheen, Nadia Mukhtar, Tahir Yaqub, Sikander Ali, M. Nouman Aftab and Iqara Liaqat. Published December 22, 2023 | Version v1. ISBN 978-1-960740-23-6. Scientific Knowledge Publisher.
- 2. A Laboratory Manual of Mycology: <u>Saba Sana,</u> Iqra Liaqat, Asma Abdul Latif, Kinza Khan, Sikander Ali. Muhammad Nouman Aftab, Muhammad Usman Ahmad, Shamsa Niaz, Nida Sana. Published Februrary 13, 2024 | Version v1. ISBN 978-1-960740-04-5. Scientific Knowledge Publisher.

Research Papers:

- 1. *In-Vitro* activity of *Nigella sativa* against antibiotic resistant *Salmonella enterica*. Ashraf, Sadia, Anjum, Aftab Ahmad, Ahmad, Ali, Firyal, Sehrish, **Sana, Saba**, Latif, Asma Abdul. Environmental Toxicology and Pharmacology. https://doi.org/10.1016/j.etap.201 7.12.017.2017. Impact factor; 2.313.
- 2. Diversity of soil borne starch hydrolyzing fungi of livestock farms. **S.Sana.** A.A.Anjum, M.Nawaz, Mansur-ud-Din Ahmad and M. Rabbani. The Journal of Animal and Plant Science. 27(2) pp. 407-414.2017. Impact factor; 0.422
- 3. Prevalence and Antibiogram of *Staphylococcus aureus*, a camel Mastitogen. Amjad Islam Aqib, Muhammad Ijaz, Aneela Zameer Durrani, Aftab Ahmad Anjum, Riaz Hussain, **Saba Sana**, Shahid Hussain Farooqi, Kashif Hussain and Syed Saleem Ahmad. Pakistan

- Journal of Zoology. 49(3) pp.861-867.2017. Impact factor 0.491
- 4. Identification of coagulase gene in *Staphylococcus aureus* isolates recovered from subclinical mastitis in camels. Aqib AI, Ijaz M, Hussain R, Durrani AZ, Anjum AA, Rizwan A, <u>Sana S</u>, Farooqi SH and Hussain K.Pakistan Veterinary Journal. 37(2): pp 160-164. 2017. Impact factor; 0.813.
- 5. Effect of fermented rice bran on growth performance and bioavailability of phosphorous in broiler chickens. Ali Ahmad, Aftab Ahmad Anjum, Masood Rabbani, Kamran Ashraf, Mian Muhammad Awais. Muhammad Nawaz, Nisar Ahmad, Ali Asif and Saba Sana. Indian Journal of Animal Research. 10.18805/ijar. v0iOF.8002. 2017. Impact factor; 0.147
- 6. Diversity of bacterial contamination on in-animate surfaces of a tertiary care hospital and their sensitivity to disinfectants. H.M.Khan, S.Rehman, S.Sana, M.A.Ali and A.A.Anjum.68(4) pp. 372-376. 2016.Impact factor; 00.
- 7. Studies on the antibiotic sensitivity pattern of isolates of *P.multocida* from buffaloes. M. Kamran, M. U. D. Ahmad, A. A. Anjum, A.Maqbool, K.Muhammad, M. Nawaz, N.U. Hudda, **S. Sana** and M. A. Ali. 24(5): 2014, pp. 1565-1568. 2014. Impact factor; 0.48.
- 8. Ahmad A., A. A. Anjum, M. Rabbani, K. Ashraf, M. Nawaz, **S. Sana** and A. Asif, 2018. Diversity of phytase producing non-Toxigenic fungi isolated from soil. The J. Anim. Plant Sci. 28(2): 467-473
- 9. Nazar M., M. S. Khan, M. Ijaz, A. A. Anjum, **S. Sana**, E. M. N. Setyawan, M. I. Saleem and I. Ahmad, 2018. Prevalence of Degnala Disease in bovine along with screening of toxigenic fungi isolated from contaminated rice straw. J Biolog Reg Homeo Agents 32(2): 269-274
- 10. Anjum A. A., N. Tariq, M. Nawaz, M. Nasir, A. Hameed, S. Sana, M. A. Sajid, S. Ahmad, F. Towakal and M. A. Ali, 2018. Occurrence of Bacterial Contaminants in Poultry Meals and Their Antibiotic Resistance Pattern. Pak J Science 70(2):
- 11. <u>Sana S.</u>, A. A. Anjum, A. Ahmad, M. I. Najeeb, H. F. Majeed, A. Razzaq, S. Ahmad, M. Ahmad, A. I. Aqib and M. A. Ali, 2018. Optimization of Culture Conditions for Penecillium Isolated from Soil to Enhance Amylase Production Potential. Pak J Science 70(2):
- 12. Nazar, M., M. S. Khan, M. Ijaz, A. A. Anjum, <u>S. Sana</u>. E. M. N. Setyawan and I. Ahmad, 2018. Comparative cytotoxic analysis through MTT assay of various Fungi isolated from rice straw feedings of Degnala disease affected animals. The J. Anim. Plant Sci. 28(4):1034-1042.
- 13. Shagufta Irshad, Amna Salamat, Aftab Ahmad Anjum, **Saba Sana**, Rehman Shahzaib Saleem, Azra Naheed and Asia Iqbal. 2018. Green tea leaves mediated ZnO nanoparticles and its antimicrobial activity. Congent chemistry, 4:1469207
- 14. Amjad Islam Aqib, Shagufta Nighat, Rais Ahmed, <u>Saba Sana</u>, Muhammad Ameen Jamal, Muhammad Fakhar-e-Alam Kulyar, Naimat Ullah Khan, Mian Saeed Sarwar, Muhammad Asif Hussain, Asadullah, Attaur Rahman and Sadeeq ur Rahman. Drug susceptibility profile of Staphylococcus aureus isolated from mastitic milk of Goats and Risk Factors Associated with Goat Mastitis in Pakistan. Pakistan J. Zool., vol. 51(1), pp 307-315, 2019.
- 15. Nimra Azeem, Muhammad Nawaz, Aftab Ahmad Anjum, Shagufta Saeed, <u>Saba Sana</u>, Amina Mustafa and Muhammad Rizwan Yousuf. Activity and Anti-Aflatoxigenic E_ect of Indigenously Characterized Probiotic Lactobacilli against *Aspergillus flavus*—A Common Poultry Feed Contaminant. Animals, 9, 166. 2019.**IF**. 1.832.2019
- 16. <u>Saba Sana</u>, Aftab Ahmad Anjum, Tahir Yaqub, Muhammad Nasir and Ali Ahmad. Enzymatic and aflatoxin production potential of *Aspergillus flavus*: *Pak. J. Agri. Sci., Vol.* 56(3), 747-752. **IF**. 0.618. 2019.
- 17. Saba Sana, Aftab Ahmad Anjum, Tahir Yaqub, Muhammad Nasir, Muhammad Asad Ali

- and Mateen Abbas. Molecular Approaches for Characterization of Aflatoxin Producing *Aspergillus flavus* Isolates from Poultry Feed: Pak Vet J, 39(2): 169-174. 2019. **IF**. 1.36. 2019
- 18. S. Irshad, M. Riaz, A. A. Anjum, <u>S. Sana</u>, R. S. Z. Saleem and A. Shaukat. Biosynthesis of Zno nanoparticles using ocimum basilicum and determination of its antimicrobial activity. The J. Anim. Plant Sci. 30(2):2020.
- 19. A. Ahmad; A. A. Anjum; M. Younus; S. Ahmed; S. Ali, **S. Sana**; A. Asif, N. Nazir, A. Ashraf and S.G. Mohyuddi. Optimization of Culture Conditions for Phytase Production by *Aspergillus flavus* Phy168 Isolated from Soil. Pakistan Journal of Science, Vol. 7 2 No. 3 September, 2020
- 20. S. Hameed, A. A. Anjum, <u>S. Sana</u> and M. I. Najeeb. Bacteriological and Mycological Analysis of Mixed Vegetable Salads. Pakistan Journal of Science Vol. 72 No. 4 December, 2020.
- 21. Ayesha Khan, <u>Saba Sana</u>, Yasir Zahoor. A Mini Review on Mycotoxin Binding Potential of Yeast Species. LGU J. Life Sci 4(2): 2020. LGUJLS MS.ID-093 (2020).
- 22. Rana Haider Ali, Aftab Ahmad Anjum, <u>Saba Sana</u> and Muhammad Yasir Zahoor. Antifungal resistance modulation of Aspergillus fumigatus isolates from brooder pneumonia affected birds by *Eucalyptus globulus* extracts. AJ Life Sci. 2020, 3 (2): 145-155.
- 23. **Saba Sana**, Aftab Ahmad Anjum, Mansur-Ud-Din Ahmad, Muhammad Nawaz, Ali Ahmad and Hafiza Rahat Farooq. **2021**. Dynamics of Amylases Production Potential by Aspergillus Niger Isolates from Soil. Pak. J. Bot., 53(2): DOI: http://dx.doi.org/10.30848/PJB2021
- 24. Md Zulfekar Ali, <u>Saba Sana</u>, Ali Ahmad Sheikh and Zoya Maheen. 2022. Molecular Characterization of toxigenic Aspergillus flavus isolated from sick broiler lungs and risk factor analysis. Pak. Vet. J. 42 (4): 194-200.
- 25. <u>Saba Sana</u>, Ali Ahmad Sheikh, Aftab Ahmad Anjum. PJSIR-10554-GR/3442 "Role of microbial factory in starch-based Industries and different approaches for enhanced Production of Amylases: A Review" PJSIR Ser. <u>Biol.Sci. in</u> 2022-23
- 26. <u>Saba Sana</u>, Shamsa Niaz, Ali Ahmad Sheikh, Sikander Ali, Huma Mujahid, Shahgull, Iqra Liaqat and Iqra Bashir. 2024. Molecular Characterization and Susceptibility Profile of Indigenous *Arthroderma multifidum* to common Antifungals. Intl J Agric Biol 31 (4):285–294
- 27. Kinza Khan, Amna Rafiq, Rizwana Sultan, <u>Saba Sana</u>, Ume Kalsoom Bashir and Abdul Haseeb Khan. 2024. Seroprevalence of Newcastle Disease Virus and Avian Influenza H9n2 in Various Districts of South Punjab, Pakistan from 2020-2022. Intl J Agric Biol 31(2):84–88
- 28. Muhammad Usman Ahmad, Kaynat William, Sikander Ali, Fareeha Akhtar, <u>Saba Sana</u> and Sundas Sharif. 2024. Utilization of fermentatively produced antimicrobials peptide silver-nanoconjugates against selected bacterial pathogens. Intl J Agric Biol 31 (2):137–146
- 29. Sobia Nisar, Mehroz Fatima, Syed Zakir Hussain Shah, Noor Khan, Beenish Aftab, Wazir Ali, Maryam, **Saba Sana**, Amber Fatima. 2024 Evaluation of Growth, Antioxidant Status, Hepatic Enzymes and Immunity of Nanoselenium-Fed Cirrhinus mrigala
- 30. Sikander Ali, Muhammad Usman Ahmad, Hajrah Usmani, <u>Saba Sana</u>, Madiha Shoukat and Atif Iqbal. 2024. Exploring Enhanced Dopamine Activity using an Intracellular Tyrosinase of Two Different Lentinula edodes strains. Intl J Agric Biol 31:401-409
- 31. S. Gull, T Ahmad, Saba Sana, M. Asif Shaheen. 2025. Antibiotic Resistance Profile in Listeria monocytogenes Isolates from The White Meat Available in Pakistan's Retail

- Markets. Iranian Journal of Veterinary Research. 26(1) serial no. 90. 34-40.
- 32. Areesha Batool, Sikander Ali, Aneeba Rashid, M. Usaman Ahmad, **Saba Sana**, Luiza C Campos. 2025. Enhanced Catalytic Stability for L-Dopa synthesis through cross-linking Al₂ O₃ Nanocrystals with Bacillus subtilis tyrosine hydroxylase. World Journal of Microbiology and Biotechnology.41: 282: 1-15 (28th July 2025).
- 33. Saba Sana, Aftab Ahmad Anjum, Qaiser Farid Khan, Layyaba Nazir, Sikander Ali, Ahamad Mohammad Salamatullah, Molalign Assefa, Tawaf Ali Shah. Growth and Aflatoxin Production by *A.flavus* Isolated from Poultry Feed: Effect of Physicochemical Factors and Storage Conditions. Annals of Microbiology. Accepted 2025.
- 34. <u>Saba Sana</u>, Layyaba Nazir Shahgull, Muhammad Sohail. Optimization of Fermentative Parameters and In-vitro safety Evaluation of Amylase Produced by *Mucor flavus*. **Accepted IJAB 2025.**
- 35. Saba Sana. Enzymatic Potential and Antifungal Susceptibility Profile of *Aspergillus terreus* Against Essential Oils. (Oleo Scientific Revisions Submitted)
- 36. <u>Saba Sana</u>, Distribution, Molecular Characterization, and Treatment Options for Dermatophytes and non-Dermatophyte fungi From Human and Animal Samples: An Integrated Approach. Revision submitted September 2025

3. RESEARCH SUPERVISED

Students supervised (No. only):

M. Phil Students: 03

Ph. D Students: **00**

Membership of the supervising committees (No. only):

M. Phil Students: 14

Ph. D Students: **01**

Co-Supervisor **04**

Students under supervision (No. only):

M.Phil 04

BS (Hons.) 25

4. SCIENTIFIC TALKS/ PRESENTATION IN CONFERENCE OR TRAINING

Title	Year	Other details of Publication
Diversity of fungi in Animal	9-13 Jan	Presented Paper in 15th IBCAST
Feedand Feed Ingredients.	2018	organized by CESAT
		Islamabad
Fungus Culture	24 th -25 th Oct	Cell culture techniques for production of
	2018	biologics Institute of biochemistry and
		biotechnology
		UVAS Lahore
Aflatoxins: A contamination	24 Dec	Pakistan Today
issue in livestock	2018	

Molecular characterization of toxigenic <i>Aspergillus flavus</i> isolated from sick broiler lungs	December	13 th International Biennial ConferenceTIBE-PSM-2021
and risk factor analysis Synergy of <i>Allium cepa</i> mediated zinc oxide nanoparticles and antibiotics against biofilm forming multi-drug resistant uropathogens	December 2021	13 th International Biennial ConferenceTIBE-PSM-2021
	30 January 2022	2nd Annual Primeasia University International E-conference on Aspects of Microbiologyin Health Sector
Preparation of PCR reaction mixture and gene amplification and visualization by PCR and Agarose gel electrophoresis	October 2022	IOM UVAS Ravi Campus
Hands on Practice on Use, cleaningand calibration Of micropipette	13 September 2022	IOM UVAS Ravi Campus
Fungus: A friend or Foe	20-21 September 2022	IOM UVAS Ravi Campus
Hands on Learning on Fat Rich Dairy Products	15 Nov 2022	Capacity building of Dairy Farmers & Industry Satkeholders on Milk Value Chain Department of Dairy Technology, FAP&T, UVAS
A talk and hands on PPEs selection,Donning & Doffing in One Day Workshop on Safe Laboratory Practices-I	2023	IOM UVAS Ravi Campus
Molecular Characterization of Toxigenic Aspergillus flavus Isolated from Sick Broiler Lungs and Risk Factors Analysis		2 nd International Conference on New Trends in Biological Sciences, University of Okara
Novel Insights into The Microbiology of Fermented Dairy Products	24 January	Capacity building of Dairy Farmers & Industry Stakeholders on Milk Value Chain Department of Dairy Technology, FAP&T, UVAS in collaboration with Livestock and Dairy Development Department Lⅅ, GoP
Mitigation Strategies for Prevention and Reduction of Mycotoxins		Global Conference on sustainable Development in Agriculture, Biochemistry & Biotechnology Women University Multan

	March 2023	Capacity building of Dairy Farmers & Industry Satkeholders on Milk Value Chain Department of Dairy Technology, FAP&T, UVAS in collaboration with Livestock and Dairy Development Department Lⅅ, GoP
Microbiological Quality and Safetyof Milk & Cheese	April 2023	Capacity building of Dairy Farmers & Industry Satkeholders on Milk Value Chain Department of Dairy Technology, FAP&T, UVAS in collaboration with Livestock and Dairy Development Department Lⅅ, GoP
WHO Fungal Priority Pathogens		Genix Society, Department of Bioinformatics and Biosciences CUST Islamabad
Aspergillus flavus Isolated from Sick Broiler Lungs and Risk Factor Analysis	_	International Poultry Expo (IPEX-2023) Expo Centre Lahore Pakistan
Dual Threat: Aspergillus flavus: A Guilty Party Behind Aspergillosis and Aflatoxicosis		Emerging Fungal Infections: Therapeutic Aspect and Challenges organized by Department of Microbiology, The University of Haripur and Pakistan Society for Microbiology
Analytical Profile Index: A valuable Tool for Streamlining the Bacterial Identification		One Day Training Workshop on Application of Analytical Profile Index as Bacterial Identification System Department of Wild Life and Ecology, UVAS Ravi Campus
Immune Response and Effectiveness of Monovalent Incorporated Oil Based Feed Vaccine Against Aeromonas veronii in Grass Carp (Ctenopharyngodon Idella)	12-13 March 2024	4 th International Conference on Innovative Academic Studies, Konya/Turkey
		C-BICS-2024 (12 th International Conference on Biological & Computational Sciences). Department of Bioinformatics & Biosciences, Capital University of Science & Technology Islamabad
A talk and hands on session on Biological Spill Management (Resource Person)		ISSM, Department of Microbiology, GCU Lahore
A talk and hands on session on Immunological Assays	•	Govt. Graduate Islamia College Cooper Road Lahore

Title	Year	Particulars of Proceedings/ Seminars
M. Tariq, A. A. Anjum, J. Nazir, S. Sana , M.R. Yousaf, H. Akbar and M. A. Ali. Themostability of phytases produced by indigenous thermolabile <i>Aspergillus niger</i> isolates	November 13 th -15 th , 2017	One health International Conference, (OHC-2017) CVAS Jhang, UVAS Lahore
A. Ahmad, A.A. Anjum, M. Rabbani, M. Younus and S. Sana . Potential risk of aflatoxicosis by Aspergilli isolated from soilof livestock farms in Lahore	November 13 th -15 th , 2017	One health International Conference, (OHC-2017) CVAS Jhang, UVAS Lahore
M. Tariq, A.A. Anjum, J. Nazir, S. Sana , A. Ahmad, M.R. Yousaf, H. Akbar and M.A. Ali. Thermo stability of phytases produced by indigenous thermo labile <i>Aspergillusniger</i> isolates	November 13 th -15 th , 2017	One health International Conference, (OHC-2017) CVAS Jhang, UVAS Lahore
A. Naeem, A.A. Anjum, A.A. Sheikh, M.Y. Zahoor and S. Sana . Antifungal activity of plants essential oils against resistant <i>Aspergillus fumigatus</i> isolates	November 13 th -15 th , 2017	One health International Conference, (OHC-2017) CVAS Jhang, UVAS Lahore
S. Sana , A.A. Anjum, M. Nawaz, M.A. Ali and M.I. Najeeb. <i>In-Vitro</i> evaluation and optimization of starch hydrolyzing potential of <i>Fusarium</i> isolated from soil of livestock farms	December 19 th -20 th , 2017	International Conference on Recent Advances in Clinical Research, UVAS, Lahore
A. Ghafoor, A.A. Anjum, T. Yaqub, M.D. Ahmad, S. Sana, M.A. Ali and M. Nawaz. In-Vitro activity of plant essential oils against aflatoxin producing <i>Aspergillusflavus</i> from poultry feed	December 19 th -20 th , 2017	International Conference on Recent Advances in Clinical Research, UVAS, Lahore
S. Sana, A. A. Anjum, T. Yaqub, M. Nasir, M. I. Najeeb, M. Nawaz and M. A. Ali. Dynamics of Aflatoxin Producing Fungi in Home Mixed and Commercial Poultry Feed.	2018	15th International Bhurban Conference on Applied Sciences & Technology (IBCAST) Islamabad, Pakistan
N. Sardar, M. A. Ali, A. A. Anjum, M-U-D. Ahmad, W. Shehzad, A. Kousar, <u>S. Sana</u> , M.Khan and M. Nawaz. Fancy Birds: Carriers of Antibiotic Resistant <i>Salmonellae</i> and <i>Escherichia coli</i> .	January, 09 th -13 th , 2018	15th International Bhurban Conference on Applied Sciences & Technology (IBCAST) Islamabad, Pakistan
S. Sana, A. A. Anjum, T. Yaqub, M. Nasir, A. Ahmad and M. A. Ali. Incidence of Mycoflora in Animal Feed and Feed Ingredients.	09^{th} - 13^{th} ,	15th International Bhurban Conference on Applied Sciences & Technology (IBCAST) Islamabad, Pakistan
H. R. Farooq, A. A. Anjum, K. Muhammad, M-U-D. Ahmed and S.Sana. Microbiological Quality Assessment and Antibiotic Resistance Pattern of Bacteria Isolated from Fresh Indigenous Juices.	January, 09 th -13 th , 2018	15th International Bhurban Conference on Applied Sciences & Technology (IBCAST)Islamabad, Pakistan

S. Hameed, A.A. Anjum, K.	January,	15th International Bhurban
Muhammad, S.Sana and M. R. Yousuf.		Conference on Applied Sciences &
Bacteriological and Mycological Analysis		Technology (IBCAST) Islamabad,
of Mixed Vegetable Salads for Toxic	2010	Pakistan
Potential.		
Z. Mughis, M. A. Ali, A. A. Anjum,	December	38 th All Pakistan Science
T.		
Yaqub, M. O. Omer, M. Nawaz and S.		Conference Energy Crisis and Their
Sana. In-Vitro Evaluation of Disinfectants	$11^{th}, 2018$	Solutions in Pakistan.
Against Indigenous Aspergillus		
Parasiticus T. X. 1. N.	- ·	Coth All Dall and C
A.Ghafoor, A. A. Anjum, T. Yaqub, M-	December	38 th All Pakistan Science
U-D.Ahmad, M. A. Ali, I. Najeeb and S.	10 th and	Conference Energy Crisis and Their
Sana. Evaluation of Antifungal Activity	11 th , 2018	Solutions in Pakistan.
of Essential Oils Against Toxigenic		
Isolates of <i>Aspergillus flavus</i> . Saba Sana. Evaluation of	2019	Doultmy Spiones Conformer
Antifungal Potential of Plant Essential	2019	Poultry Science Conference, Pakistan.PP. 54
Oils Against Aflatoxins Producing		Pakistan.PP. 34
Aspergillus flavus		
Saba Sana, Aftab Ahmad Anjum, Tahir	30	2nd Annual Primeasia University
Yaqub, Ali Ahmad Sheikh, Mateen		International
Abbas, Nadia Mukhtar. Growth dynamics	January	E-conference on Aspects of
and phytinhibiton of aflatoxin producing	2022	Microbiology in Health Sector, Page
Aspergillus flavus		no.50-51
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Zova Maheen Saha Sana Aftah Ahmad	30	2nd Annual Primeacia University
Zoya Maheen, Saba Sana, Aftab Ahmad	30	2nd Annual Primeasia University
Anjum, Javeria Ali Khan, Ali Ahmad	30 January	International
Anjum, Javeria Ali Khan, Ali Ahmad Sheikh, Shagufta Gulraiz.Synergistic	January	International E-conference on Aspects of
Anjum, Javeria Ali Khan, Ali Ahmad Sheikh, Shagufta Gulraiz.Synergistic Effect of Allium cepa mediated zinc oxide		International E-conference on Aspects of Microbiology in Health Sector, Page
Anjum, Javeria Ali Khan, Ali Ahmad Sheikh, Shagufta Gulraiz.Synergistic Effect of Allium cepa mediated zinc oxide Nanoparticles along with Antibiotics	January	International E-conference on Aspects of
Anjum, Javeria Ali Khan, Ali Ahmad Sheikh, Shagufta Gulraiz.Synergistic Effect of Allium cepa mediated zinc oxide	January	International E-conference on Aspects of Microbiology in Health Sector, Page
Anjum, Javeria Ali Khan, Ali Ahmad Sheikh, Shagufta Gulraiz.Synergistic Effect of Allium cepa mediated zinc oxide Nanoparticles along with Antibiotics against Biofilm Forming Multi drug	January	International E-conference on Aspects of Microbiology in Health Sector, Page
Anjum, Javeria Ali Khan, Ali Ahmad Sheikh, Shagufta Gulraiz.Synergistic Effect of Allium cepa mediated zinc oxide Nanoparticles along with Antibiotics against Biofilm Forming Multi drug Resistant Uropathogens	January 2022 21-22	International E-conference on Aspects of Microbiology in Health Sector, Page no.35-36
Anjum, Javeria Ali Khan, Ali Ahmad Sheikh, Shagufta Gulraiz.Synergistic Effect of Allium cepa mediated zinc oxide Nanoparticles along with Antibiotics against Biofilm Forming Multi drug Resistant Uropathogens Shamsa Niaz, Saba Sana , Ali	January 2022	International E-conference on Aspects of Microbiology in Health Sector, Page no.35-36 An International Conference on
Anjum, Javeria Ali Khan, Ali Ahmad Sheikh, Shagufta Gulraiz.Synergistic Effect of Allium cepa mediated zinc oxide Nanoparticles along with Antibiotics against Biofilm Forming Multi drug Resistant Uropathogens Shamsa Niaz, Saba Sana, Ali Ahmad Sheikh. Susceptibility Pattern and	January 2022 21-22	International E-conference on Aspects of Microbiology in Health Sector, Page no.35-36 An International Conference on Current and Innovative Trends in
Anjum, Javeria Ali Khan, Ali Ahmad Sheikh, Shagufta Gulraiz.Synergistic Effect of Allium cepa mediated zinc oxide Nanoparticles along with Antibiotics against Biofilm Forming Multi drug Resistant Uropathogens Shamsa Niaz, Saba Sana , Ali Ahmad Sheikh. Susceptibility Pattern and Resistance Modulation of <i>Arthroderma</i>	January 2022 21-22 November	International E-conference on Aspects of Microbiology in Health Sector, Page no.35-36 An International Conference on Current and Innovative Trends in Applied Bio-sciences Department of Biology, Lahore Garrison University, Lahore (AM-
Anjum, Javeria Ali Khan, Ali Ahmad Sheikh, Shagufta Gulraiz.Synergistic Effect of Allium cepa mediated zinc oxide Nanoparticles along with Antibiotics against Biofilm Forming Multi drug Resistant Uropathogens Shamsa Niaz, Saba Sana, Ali Ahmad Sheikh. Susceptibility Pattern and Resistance Modulation of Arthroderma multifidium to Antifungal Agents	January 2022 21-22 November 2022	International E-conference on Aspects of Microbiology in Health Sector, Page no.35-36 An International Conference on Current and Innovative Trends in Applied Bio-sciences Department of Biology, Lahore Garrison University, Lahore (AM-03) Page 34-35
Anjum, Javeria Ali Khan, Ali Ahmad Sheikh, Shagufta Gulraiz.Synergistic Effect of Allium cepa mediated zinc oxide Nanoparticles along with Antibiotics against Biofilm Forming Multi drug Resistant Uropathogens Shamsa Niaz, Saba Sana, Ali Ahmad Sheikh. Susceptibility Pattern and Resistance Modulation of Arthroderma multifidium to Antifungal Agents Saba Sana, Aftab Ahmad Anjum,	January 2022 21-22 November	International E-conference on Aspects of Microbiology in Health Sector, Page no.35-36 An International Conference on Current and Innovative Trends in Applied Bio-sciences Department of Biology, Lahore Garrison University, Lahore (AM-03) Page 34-35 An International Conference on
Anjum, Javeria Ali Khan, Ali Ahmad Sheikh, Shagufta Gulraiz.Synergistic Effect of Allium cepa mediated zinc oxide Nanoparticles along with Antibiotics against Biofilm Forming Multi drug Resistant Uropathogens Shamsa Niaz, Saba Sana, Ali Ahmad Sheikh. Susceptibility Pattern and Resistance Modulation of Arthroderma multifidium to Antifungal Agents Saba Sana, Aftab Ahmad Anjum, Ali Ahmad Sheikh, Shahgull, Shamsa	January 2022 21-22 November 2022 21-22	International E-conference on Aspects of Microbiology in Health Sector, Page no.35-36 An International Conference on Current and Innovative Trends in Applied Bio-sciences Department of Biology, Lahore Garrison University, Lahore (AM-03) Page 34-35 An International Conference on Current and Innovative Trends in
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Anjum, Javeria Ali Khan, Ali Ahmad Sheikh, Shagufta Gulraiz.Synergistic Effect of Allium cepa mediated zinc oxide Nanoparticles along with Antibiotics against Biofilm Forming Multi drug Resistant Uropathogens Shamsa Niaz, Saba Sana, Ali Ahmad Sheikh. Susceptibility Pattern and Resistance Modulation of Arthroderma multifidium to Antifungal Agents Saba Sana, Aftab Ahmad Anjum, Ali Ahmad Sheikh, Shahgull, Shamsa Niaz. In-Vitro Evaluation of Disinfectants and Essential Oils against Toxigenic Aspergillus flavus Iqra Bashir, Mubashrah Munir, Sehrish	January 2022 21-22 November 2022 21-22 November	International E-conference on Aspects of Microbiology in Health Sector, Page no.35-36 An International Conference on Current and Innovative Trends in Applied Bio-sciences Department of Biology, Lahore Garrison University, Lahore (AM-03) Page 34-35 An International Conference on Current and Innovative Trends in Applied Bio-sciences Department of Biology, Lahore Garrison University, Lahore (AM-10) Page: 95 2nd International Conference on New
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Saba Sana Molecular characterization of Toxigenic Aspergillus flavus Isolated from Sick BroilerLungs and Risk Factor Analysis	16-17 January 2023	2 nd International Conference on New Trends in Biological Sciences, University of Okara: Page 39-40
Saba Sana Mitigation Strategies for Prevention and Reduction of Mycotoxins	15-16 Feb 2023	Global Conference on sustainable Development in Agriculture, Biochemistry & Biotechnology Women University Multan. Page No.
Saba Sana Assessing the Biorisk for Toxigenic Aspergillus flavus Isolated from Sick Broiler Lungs and Risk Factors Analysis		OWSD, KIBGE, University of Karachi Pakistan
Aqsa Ilyas, Mubashrah Munir, Sehrish Sadia, Saba Sana and Ali Ahmad Sheikh Evaluation of Antifungal Activity of <i>Chara vulgaris</i> against Aflatoxin B1 Produced by <i>Aspergillus flavus</i> Isolated from Total Mixed Ration (Page no. 25-26)	April 2024	6 th International Conference on Advances in Biosciences (ICABS- 2024)

7. TRAINING ORGANIZED

Title	Year	Organization
Hand on training workshop on basic laboratory instruments-Member of Organizing Committee	4-7 October 2021	Institute of Microbiology& Institute of Biochemistry and Biotechnology UVAS Ravi Campus Pattoki
Training workshop on Use of Micropipettes Working safely in Biological Safety Cabinets	13 September 2022	Institute of Microbiology UVAS Ravi Campus Pattoki
Techniques for Cultivation and Conventional Identification of Fungi"	21-22 September 2022	Institute of Microbiology UVAS Ravi Campus Pattoki
Molecular and Biochemical Approaches for Identification of Fungi	5-7 Oct 2022	Institute of Microbiology UVAS Ravi Campus Pattoki
Training on Safe Laboratory Practices	6 th January 2023	Institute of Microbiology UVAS Ravi Campus Pattoki
International Microbial Day	12 th September 2023	Department of Genetics, UVAS Ravi Campus Pattoki

One Day Training Workshop on Application of Analytical Profile Index (API) As Bacterial Identification System-Batch I	14 Dec 2023	Department of Wildlife UVAS Ravi Campus and Department of Microbiology, IIIB, GCU Lahore
Diabetes Nutrition Camp	23 rd Feh 2024	ISSM, Department of Microbiology IIIB, GCU Lahore in Collaboration with UMT Lahore
Industrial Tour to AB Mauri	27 th Feb 2024	ISSM, Department of Microbiology IIIB, GCU Lahore
One Day Training Workshop on "Chromogenic assays as rapid tool in food testing"		ISSM, Department of Microbiology IIIB, GCU Lahore
IIB Annual Dinner	30 th Anril 2024	ISSM, Department of Microbiology IIIB, GCU Lahore
One Day Training on Laboratory Safety Practices-I: Hand Hygiene, Donning and Doffing of Gloves	164 M	ISSM, Department of Microbiology IIIB, GCU Lahore
One Day seminar on," From Bacteria to Designer Babies: The CRISPR Revolution	24th May 2024	ISSM, Department of Microbiology IIIB, GCU Lahore
Re-Creational Tour to Naran and Kaghan	otn-8tn July 2024	ISSM, Department of Microbiology IIIB, GCU Lahore
Online Lecture on "Careers in Microbiology"	22nd August 2024	ISSM, Department of Microbiology IIIB, GCU Lahore
One Day Hands on Training Workshop on Application of Analytical Profile Index (API) As Microbial Identification System-Batch II	27 th A11σ 2024	Department of Microbiology, IIIB, GCU Lahore in collaboration with Department of Wildlife UVAS Ravi Campus
One Day Workshop on Animal Handling	12 th September 2024	Dr. Ikram ul Haq Institute of Industrial Biotechnology, GCU Lahore

Science Quiz Competition	21 Sent 2024	ISSM, Department of Microbiology IIIB, GCU Lahore
Online International Webinar on "Cognitive Pralysis" Unravelling the impact of insomnia on Brain Function and Mental Performance		ISSM, Department of Microbiology IIIB, GCU Lahore
Online Discourse Session on Emosphere (Emotional Intelligence)	29 th Dec 2024	ISSM, Department of Microbiology IIIB, GCU Lahore
Sampling Techniques in Diagnostic Laboratory (Chief Organizer)	20 th Feb 2025	Department of Microbiology. IIIB GCU Lahore
Basic Life Support and First Aid Orientation Session (Chief Organizer)	128 th Anril 12025	Department of Microbiology. IIIB GCU Lahore in collaboration with Emergency Services Department (Rescue 1122)
Hands On Training On Biological Spill Management (Chief Organizer)		ISSM, Department of Microbiology IIIB, GCU Lahore
8 th MLCON (Certificate of Appreciation) (Organizer)	30 th Anril 2025	PMLA in collaboration with Department of MLT and ARSM GCU Lahore

8. PARTICIPATION IN COLLEQUIA/SEMINARS/CONFERENCES/ TRAININGS

COURSE/ DIPLOMA/ CERTIFICATE	FIELD OF STUDY	Institution & Country
Digital Session on Revolutionizing Microbial Detection with Ready to Use		
Plates 22 Aug 2025	MICROBIAL DETECTION	Science Forum Lahore Pakistan

		1
Artificial Intelligence in Research (Online) 14 th Aug 2025	AI	AI and London Consultants Islamabad
Breaking the Silence on Hepatitis: Bridging Science, Policy, and Public Health (Online) 28 th July 2025	DISEASE CONTROL	Ibadat International University Islamabad
Interpreting and Writing Post- Mortem and Histopathology Report for Scientific Publication 19-20 June 2025	DISEASE DIAGNOSIS	Cholistan University of Veterinary and Animal Sciences Bahawalpur
Vector Borne Disease: Serosurveillance and Immune Marker Studies 18-19 th June 2025	MEDICAL MICROBIOLOGY	Department of Pathology and Laboratory Medicine, The Agha Khan University in collaboration with the University of Washington (a a part of NIH- D43 Research Training Grant) at UVAS Lahore
Recent Trends and Application of Metabolomics in Food Analysis, Authentication, Process Monitoring and Gut Interactions (Online) 12 June 2025	FOOD MICROBIOLOGY	COMSTECH, Islamabad

Webinar: Theories of Research (Epistemology) of the Research Methodology Course (Online) 11 June 2025	RESEARCH METHODOLOGY	Centre for Learning and Teaching (CLT), Forman Christian College Lahore
Two Days Workshop on Data Analysis, 'Hybrid'. Certificate of Distinction 29-30 th May 2025	STATISTICS	Cholistan University of Veterinary and Animal Sciences Bahawalpur
International Webinar on Technological Innovation for Food Security 02 Jan 2025	FOOD SECURITY	Dr. Sultan Ahmad Botanical Society. Government College University Lahore in collaboration with Institute of Microbiology, UVAS Lahore
Two Days Workshop on Biosecurity & Dual Use Research of Concern 27-28 Nov 2024	BIOSECURITY	Dr. Ikram Ul Haq Institute of Industrial Biotechnology Government College University Lahore in collaboration with Institute of Microbiology, UVAS Lahore
One Day Training on Intellectual Property Rights focused on Patent Writing/Drafting and Submission 09 Oct 2024	PATENT WRITING & DRAFFTING	Office of Research and Commercialization (ORIC), Government College University Lahore
Cellular Agriculture Perspective, Relevance and	INDUSTRIAL BIOTECHNOLOGY	Khorana Society for Biotechnology

Challenges		Dr. Ikram Ul Haq Institute of
15 th September 2024		Industrial Biotechnology
		Government College University
		Lahore
Challenges with Combating		
Hepatitis C in Developing		Dr. Ikram Ul Haq Institute of
Countries: A Path Towards	INFECTIOUS DISEASES	Industrial Biotechnology
Elimination		Government College University
13 th September 2024		Lahore
National Faculty Development		National Academy of Higher
Program	FACULTY DEVELOPMENT	Education Commission (NAHE)
April, 22- May. 10 th 2024		HEC Pakistan
Role of AI in Microbiology		
Career	AI	Science and Technology Online
4 th April to 6 th April 2024		
Participated in 6 th		
International Conference on		Biological Society of Pakistan in
Advances in Biosciences	BIOLOGY	collaboration with Government
(ICABS-2024)		College University Lahore
18-19 th April 2024		
2-Days Hands on Training		Shifa-e-Millat University
Workshop on Building the		Islamabad In collaboration with
Capacity of Laboratory		Pakistan Biological Safety
Professionals in Bio-Risk	BIO-RISK MANAGEMENT	Association, Health Security
Assessment: The New WHO		Partner and Institute of
Approach		Microbiology, UVAS Lahore
6-7 DEC 2023		
2-Days Hands on Training		Institute of Microbiology &
Workshop on Isolation and	MICROBIOLOGY	Molecular Genetics, University
Characterization of		of Punjab Lahore Pakistan

Bacteriophages for Phage			
Therapy			
Петару			
17-18 March 2023			
Train the Trainer Workshop			
Risk Assessment Workshop	BIO RISK MANAGEMENT	Pakistan Biological Safety	
-	DIO RISK WANAGEMENT	Association, Islamabad Pakistan	
04-06 Oct 2022			
National Training Workshop			
Production and Evaluation of			
Oil Based Foot & Mouth		Training Center for Biologics	
Disease Virus Vaccine	VACCINOLOGY	Production FMDV	
		UVAS Lahore, Pakistan	
07 th -08 th September 2022			
20 th International Vaccinology			
Course-06-10 Sept 2021	VACCINOLOGY	International Vaccine Institute	
Course of 10 Sept 2021			
National Workshops on	BIOCHEMISTRY	Quality Operation Laboratory,	
Chromatographic Techniques 30-31 OCT 2017		UVAS Lahore	
Immunological Techniques:		Advance Life College of	
Theoretical and Practical	Immunology	Medical sciences, Lahore,	
Aspects 1 ST OCT 2017		Pakistan	
Bioinformatics Tools and			
Resources Institute of	BIOINFORMATICS	IBBT UVAS	
Biochemistry and Biotechnology.	DIOIN ORNATIOS	IBBT CVIIB	
29-30 MARCH 2017			
		National Institute for	
Workshop on Riboprinter at	MOLECULAR BIOLOGY	Biotechnology and Genetic	
NIBGE 8-9 Jan 2015	MODE OF THE PROPERTY OF THE PR	Engineering (NIBGE), Pakistan	
0 / 5411 2013			
Application Of PAGE For			
Molecular Characterization Of	MOLECULAR BIOLOGY	Department of Microbiology	
Pasteurella multocida UVAS Lahore		UVAS Lahore, Pakistan	
15-17 August 2011			

T 1		
Isolation, screening and preliminary characterization of antimicrobial metabolites from food microbes. 19-23 July 2010	MICROBIOLOGY	Department of Microbiology UVAS Lahore, Pakistan
Isolation and molecular characterization of shiga toxin producing E. coli (O157) 1-5 March 2011	MICROBIOLOGY	Department of Microbiology UVAS Lahore, Pakistan
Evaluation of Antiviral and cytotoxic activity of different herbal extracts and commercial pharmaceutics in vitro cell culture 4-7 Oct 2010	CELL CULTURE	Department of Microbiology UVAS Lahore, Pakistan
Participant of "Talented Research Exchange Programme-INSPIRE PAKISTAN" (BRITISH COUNCIL) 27-28 sept 2010	COLLABORATIVE RESEARCH	UVAS Lahore, Pakistan
Successfully completed a short training on "Environmental Sampling" (BRITISH COUNCIL) March-Sept 2009	ENVIRONMENTAL MICROBIOLOGY	Institute of Continuing Education and Extension UVAS Lahore, Pakistan
Participant of two days seminar and workshop on "Environmental Toxicology and Health". 8-9 March 2011	ENVIRONMENTAL TOXICOLOGY AND HEALTH	Department of Pharmacology & Toxicology UVAS Lahore, Pakistan
Workshop on "Production and Evaluation of Oil Based HS+ Trivalent FMD Virus Vaccine". 27-30 Sept 2011	VACCINOLOGY	Department of Microbiology UVAS Lahore, Pakistan
Application of ELISA for Monitoring Antibody Response of Birds to IBD Virus Vaccine 18-20 August 2011	IMMUNOLOGY	Department of Microbiology UVAS Lahore, Pakistan
Successfully completed two days' workshop on "Controlling Laboratory Biorisk". 4-5 Jan 2012	BIORISK MANAGEMENT	Quality Operational Laboratory (QOL), UVAS Lahore, Pakistan
Attended two days"	TOXICOLOGY	Department of Pharmacology &

International Conference on	Toxicology,	UVAS	Lahore,
Toxicology (26-27 Jan 2012)	Pakistan		

9. PROJECTS

Grant # Agency	Title of Project	Position/ Status	Amount (Rs.) Millions	Year
HEC (NRPU)	Management of Total Mixed	In Progress	8.107	2021
20-	Ration Fungi using Selected			
14665/NRPU/R&D/HEC/2	Algae andPlants			
021	Team member			
202				

10. RESEARCH PROJECTS (ASSISTED)

1. Purification and standardization of mycotoxins extracted from indigenous toxigenifungi under optimized experimental conditions	
2.	Replacement of low-level antibiotic feeding with extracts of medicinal plants in poultry

11. FELLOWSHIP

Sr. No	Title	Year	Organized/Participated
	International Research Support Initiative	19 th	Department of Population medicine
	Program (IRSIP-PhD)	March-	and Diagnostic Sciences, Cornell
		2018- 2 nd	University, Ithaca NY, USA
		Sept-2018	
	Indigenous Fellowship, 5000 Phase II,	21 Nov	HEC Pakistan
	Batch III	2016-2019	
	Bio-risk Management Exam	10 March	IFBA /Pakistan Biological Safety
	Preparatory Course and Scholarship	2023-	Association
		Completed	
	Biosecurity Exam	8 Jan 2024-	IFBA /Pakistan Biological Safety
	Preparatory Course and Scholarship	Completed	Association
	Biological Waste Management	20 th May	IFBA /Pakistan Biological Safety
	Preparatory Course and Scholarship	2024-	Association
	- · ·	Continue	

12. MEMBERSHIP OF SOCIETIES

Sr.	ORGANIZATION	STATUS
No.		
1.	Pakistan Biological Safety Association (PBSA-1287)	Active Life Time
2.	Organization for Women in Science for the Developing	Full Time Member

		World	
Ī	3.	Asian Council of Science Editors	Member till Dec-2025
Ī	4.	Pakistan Society for Bacteriophages (113-PSP-2023)	Member

13. REVIEWER/REFEREE OF RECOGNIZED ACADEMIC JOURNAL/PUBLISHER

Sr. No.	Name of The Recognized Journal	Year
1.	ACS OMEGA	2021
2.	European Journal of Nutrition & Food Safety	2021
3.	LGU Journal of Life Sciences	2022
4.	International Journal of Agriculture and Biology (IJAB)	2023
5.	Frontier in Veterinary Science	2023
6.	LGU Journal of Life Sciences	2023
	(Manuscript ID-305)	
7.	International Journal of Agriculture and Biology (IJAB	Dec 2023
	2023-0410)	
8.	The Journal of Microbiology & Molecular Genetics.	Jan 2024
	(JMMG-412-1)	
9.	Pakistan Journal of Medical Sciences	June 2024
10.	IJAB Impact of Indigenous Probiotics Derived from Traditional Fermented Dairy and Non-Dairy Products on Health Promotion IJAB-24-0232	25 July 2024
11.	LGU Journal of Life Sciences First occurrence of <i>Trametes elegans</i> from Punjab and an Overview of genus <i>Trametes</i> from Pakistan. Manuscript ID 328	26 July 2024
12.	Biotechnology and Applied Biochemistry A comprehensive review on Engineering Lactic Acid Bacteria: Emerging Genetic Tools ans Synthetic Biology Strategies	11 Aug 2025
13.	World Journal of Microbiology Yeast <i>Pseudozyma hubeiensis</i> Potential for Aflatoxin B1 Decontamination and its Genetic Properties	30 th July2025
14.	BMC Microbiology Molecular Detection and Mycotoxins of <i>Penecillium</i> Species Isolated from Decayed Apple fruits collected from Qena Egypt	24 th July 2025

14. ADMINISTRATIVE WORK, CO-CURRICULAR ACTIVITIES AND EXTRA-CURRICULAR ACTIVITIES

Following administrative & other activities are performed during 2017-TO -2024;

- 1. **Member**, Board of Study (BOS) Department of Microbiology, GCU Lahore (2025 To date)
- 2. **Member**, Board of Study (BOS) Department of Microbiology, UVAS Lahore (2017-2023)
- 3. Member: Committee for re-initiation of Ph.D program (Department of Microbiology GCU Lahore
- 4. **Member:** PGPR 2024-2025
- 5. **Convener of Committee:** For interview of BS(Hons.) Microbiology Self-supporting Admission Fall 2024-Cycle-II
- 6. Member Research Advisory Committee Department of Microbiology GCUL
- 7. Member Class checking committee BS (Hons.) Microbiology Regular Program
- 8. Co-advisor Ibn e Sina Society of Microbiology, Department of Microbiology, IIIB GCU Lahore
- 9. Coordinator Controller Examination, Microbiology GCU Lahore
- 10. Departmental Focal Person for GCU Prospectus 2024 (Microbiology)
- 11. **M.Phil Coordinator** (Microbiology Evening program GCU Lahore)
- 12. Member Self-Assessment Report Committee (SAR) BS (Hons.) Microbiology
- 13. Member Self-Assessment Report Committee (SAR) PhD Biotechnology
- 14. Resident Tutor, Fatima Hall, City Campus, UVAS, Lahore
- 15. Winner of faculty badminton championship (female-2017)
- 16. Winner of faculty table tense championship (female-2017)
- 17. Second position in faculty archery championship (female-2017)
- 18. Winner of faculty badminton championship (female-2018)

19.

20.

- 7. Winner of faculty archery championship (female-2018)
- 8. Winner of faculty table tense championship (female-2018)
- 9. Assistant lab manager (Lab 08) Molecular Biology Lab
- 10. **Revision of course** for new scheme of study (Department of Microbiology)
- 11. **Member of Disciplinary committee:** All Pakistan Declamation Competition (Decrodeo19). 12-Nov 2019.UVAS LAHORE
- 12. **Member of Organizing Committee IPEX**; University of Veterinary and Animal Sciences, Lahore. 13 -15 Sept-2019
- 13. Resident tutor Ayesha Hall UVAS Ravi Campus Pattoki (18/09/2020-to-02/12/2021)
- 14. Resident tutor Hafsa Hall UVAS Ravi Campus Pattoki (18/09/2020-to-
- 15. Superintendent Ayesha and Hafsa Hall UVAS Ravi Campus Pattoki (03/12/2021 todate)
- 16. Class Advisor BS (Hons.) MLT (1st and 2nd) Year Ravi Campus Pattoki

- 17. **Member** Time table committee for BS Medical Laboratory Technology UVAS RaviCampus Pattoki
- 17. **Member of committee for hostel allotment** UVAS Ravi Campus Patoki (Regr/SR-04/1051)
- 19. Member of committee for implementation of SOPs for Covid-19 in hostels (Regr/SR-04/1051)
- 20. **Member** of anti-ragging committee UVAS Ravi Campus Patoki (No.: 1965-PP)
- 21. **Member**; Stage and Hall management committee, World Egg Day UVAS Ravi Campus Patoki (Regr/GDC-25/17)
- 22. **Member** of Health Desk Committee UVAS Ravi Campus Patoki (Rregr/SR- 04/051)
- 23. **Member of examination inspection committee-**Final term examination of BS (Hons.) Dairy Technology and BS (Hons.) Poultry Science Ravi Campus Pattoki (Semester-1 2021-2022)
- 24. **Member of Examination inspection committee-** Final term examination of DVM & BS (Hons.) MLT UVAS Ravi Campus (Semester-II 2021-2022) (No. FVS-1066, date: 4-8-22)
- 25. Physical verification of dead stock/consumables items of Dean office FAPT UVAS Ravi Campus (Letter no. TR/1620 dated: 28-09-2022)
- 26. **Member of antiragging committee** UVAS Ravi Campus 2022-2023: dated 8- 12-22. Zone A block 3
- 27. **Member of Examination inspection committee-** Final term examination of BS (Hons.) MLT UVAS Ravi Campus (Semester-I 2022-2023) (No. FVS-125, date: 19-1-23)
- 28. **Member of Examination inspection committee-** Final term examination of BS (Hons.) MLT UVAS Ravi Campus (Semester-I 2022-2023) (No. FVS-871, date: 19-1-23)
- 29. **Member of Examination inspection committee FAPT-** Final term examination of BS (Hons.) Poultry Science and Dairy Technology UVAS Ravi Campus (Semester-I 2022-2023) (No. FPT-262, date: 05-07-23)

15. EXTERNAL EXAMINER

- Cell Biology: Government Islamia College Cooper Road Lahore (Practical)
- Enzymology-II: Lahore Medical and Dental College (LMDC) Lahore (Practical)
- Thesis Evaluation (Master of Philosophy) University of Okara Pakistan