

Curriculum Vitae

Name:	Dr. Gul Zareen Ghafoor
Personal:	Email: zareen.sdsc@gcu.edu.pk Sustainable Development Study Center, Government College University Lahore, Pakistan
Experience	• Assistant Professor (Environmental Science) 18th Feb 2022-to-date (Sustainable Development Study Center, Government College University, Lahore, Pakistan) • Lecturer (Environmental Science) 26th May, 2016-to-17th Feb 2022 (Sustainable Development Study Center, Government College University, Lahore, Pakistan) • College Teaching Intern under Punjab Higher Education Department (Sep. 2012 - Jan 2016)
Education	• PhD Environmental Science - Jan 2022 Sustainable Development Study Centre, GC University Lahore
Research Area	• Climate Change • Forest Ecology • Public Health & Environment
Service Activity	• Teaching and supervising research at BS, MS and PhD levels • Co-Advisor Environment Protection Society • Member GCU Medical Committee • Departmental Focal Person for Turnitin • BS Program Coordinator (BS Environmental Science and BS Gender and Climate Change) • QEC Program Team Member for SAR & PREE • Coordinator SDSC Sports • Focal Person Internships SDSC GCU Lahore • Member BS Admissions scrutiny committee • Member Scrutiny committee for visiting faculty (Gender and Climate Change and Environmental Science) • Member BS Thesis Review Committee • Focal person to EPA Punjab for data provision on research on plastic hazards • Focal person to PHEC for Anti-smog campaign at GCU Lahore • Invited member Curriculum Review Committee, Superior University Lahore • Member Mandatory Internship report evaluation committee (2025-2026) • Departmental Proctor, SDSC (2021-2026) • Elected Member of Academic Council GCU Lahore (2020 – 2023) • Secretary Board of Studies, SDSC GCU Lahore (2020-2023) • Co-opted Member GCU Anti-harassment Committee (2022-2025) • Student Advisor – BS Environmental Science • Additional tutor for GCU Tutorial system
Research	• Topic Editor in Frontiers (Topic: Water Economics: The Economic Aspects of Water Resource Management, Allocation and Use)

Activities	- Associate Editor in Frontiers in Environmental Science (Section: Water and Wastewater Treatment) - Associate Editor in Frontiers in Water (Section: Water Resource Management) - Guest Associate Editor in Frontiers in Environmental Economics (Section: Resource Economics)					
Research Project Award	& Title Role	Funding Agency	Duration	Starting date	Closing date	Project budget
	Human health risk assessment from microbiological and microplastics contamination in cosmetic products in Pakistan (Principal investigator)	ORIC, GCUL	02 years	Jan 2026	2027	Rs. 300,000
Research supervised	Candidate	Degree	Thesis Title		Status	
	Ph.D					
	Ifrah Ali	Ph.D Environmental Science	Environmental and health impact analysis of surface mining in Mianwali District		In progress	
	Shazana Khan	Ph.D Environmental Science	Socio-Ecological Vulnerability Assessment and Adaptive Responses to Glacier Lake Outburst Floods (GLOFs) in Chitral, Pakistan		In progress	
	M.Phil.					
	Alina Zahid	MPhil Environmental Science 2024-2026	Health Risk assessment from microbiological contamination in cosmetic products		In Progress	
	Hira Shafiq	MPhil Environmental Science 2024-2026	Sptio-temporal analysis of landuse landcover change and its impact on land surface temperature of Faisalabad city		In Progress	
	Fatima Mohi Uddin	MPhil Environmental Science 2024-2026	Assessment of occupational health, safety and environmental hazards of a textile labelling unit in Faisalabad		In Progress	
	Anam Rafique	MPhil Environmental Science 2023-2025	Assessing the organizational resilience to tackle the climate induced waterborne diseases in Lahore: A spatio-temporal analysis		Completed	
	Nimra Khalid	MPhil Environmental Science 2023-2025	Assessing the impact of climatic warming on seedling growth (<i>Prosopis juliflora</i>) and leaf litter		Completed	

			decomposition in Hiran Minar Forest Sheikhpura	
	Rohama Nasir	MPhil Environmental Science 2022-2023	Mapping and valuation of Ecosystem services provided by Hiran Miran, District Sheikhpura	Completed
	Mehvish Shabbir	MPhil Environmental Science 2022-2023	Spatio-temporal analysis of land cover changes and its impact of Land surface temperature in Vehari district	Completed
	Rida Batool	MPhil Environmental Science 2021-2022	Mapping and valuation of Regulatory Ecosystem services of Machhu Forest, District Layyah	Completed
	Kainat Javed	MPhil Environmental Science 2020-2021	Spatio-temporal analysis of land use land cover change and its impact on local temperature of Sialkot city.	Completed
	Amina Shabbir	MPhil Environmental Science 2020-2021	Health risk assessment and spatial distribution of heavy metals contamination in dust and surface soil of parks in Lahore	Completed
	Mehwish Rubab	MPhil Environmental Science 2019-2020	Evaluation of population status and economic valuation of ethnomedicinal flora of District Okara, Punjab Pakistan	Completed
	Khadija Tirmizi	MPhil Environmental Science 2017-18	Mapping and valuation of cultural ecosystem services provided by Hayat-ul-Mir forest Soan valley, Pakistan	Completed
	BS level			
	Hiba & Hayat Malik	BS Environmental Science 2022-2026	Carbon stock assessment at Hiran Minar Archaeological site	Completed
	Eman Sarfraz	BS Environmental Science 2022-2026	Spatiotemporal analysis of urban sprawl on green spaces in district Sheikhpura	Completed
	Aneesa Shoukat	BS Environmental Science 2022-2026	Diversity analysis of natural regeneration of thorn forest species at Hiran Minar, Sheikhpura	Completed
	Noor Malik & Zunaira Batool	BS Environmental Science 2022-2026	Occupational health risks associated with gaseous emissions in Daharki Oil Fields	Completed

	Laiba Bhatti	BS Environmental Science 2022-2026	Exploring the drivers of digital environmentalism among university students	Completed
	Noor ul Ain Batool	BS Gender and Climate Change 2022-2026	Evaluation of Ecosystem Services provided by Rakh Dhandla, District Bhakkar	Completed
	Hasba Zia	BS Gender and Climate Change 2022-2026	Impact of extreme weather events on the Health and Wellbeing of Agricultural Communities in Kasur	Completed
	Zuha Noshad & Abeera Awan	BS Environmental Science 2022-2026	Assessing the bioremediation potential of heavy metals tolerant fungi isolated from refuse dumpsite in Lahore.	Completed
	Muhammad Ahmer Tariq Niazi	BS Environmental Science 2022-2026	Spatio-temporal analysis of Land use Land cover changes in District Mianwali, Punjab Pakistan	Completed
	Zainab Amer & Bisma Saleem	BS Environmental Science 2022-2026	Spatio-temporal mapping of air quality and assessment of community resilience to associated health risks in Lahore	Completed
	Bareera Khalid	BS Environmental Science 2023-2024	Determination of heavy metals contamination in sand roasted snacks	Completed
	Amna Naeem	BS Environmental Science 2023-2024	Public perception about temperature extremes and adaptation measures in Lahore city	Completed
	Hina Nasir & Fiza Zainab	BS Environmental Science 2023-2024	Food safety practices and heavy metal contamination in fried foods in Lahore	Completed
	Ittiba Fatima & Aimen Shehzadi	BS Environmental Science 2023-2024	Assessing the impact of Sahiwal coal power emissions on surrounding tree flora	Completed
	Sadia Tabbasum, Syeda Taqdees	BS Environmental Science 2022-2023	Carbon footprint of a poultry farm facility in Punjab	Completed
	Anam Rafique	Environmental Science 2022-2023	Assessment of occupational health and safety risks of a textile industry in Lahore.	Completed
	Areej, Rida	Environmental Science 2022-2023	Human health risk assessment from heavy metals contamination in the herbal medicines available in the local market of Lahore, Pakistan	Completed

	Rizwana Akram	BS Environmental Science 2021-2022	Assessing the heavy metals exposure and occupational health and safety of workers at a metallurgical factory in Lahore.	Completed
	Tayyaba Tanveer	BS Environmental Science 2021-2022	Effect of air emissions on vegetation in the vicinity of a Matallurgical factor in Lahore	Completed
	Ayesha Asghar	BS Environmental Science 2021-2022	Effect of air emissions on public health in the vicinity of a Matallurgical factor in Lahore	Completed
	Mubeen Shoukat & Nimra Safdar	BS Environmental Science 2020-2021	Assessment of tree and soil carbon stock of Jillani Park, Lahore.	Completed
	Farah Saeed	BS Environmental Science 2019-2020	Assessing response of colleges towards environmental education program sponsorship.	Completed
	Arshia Ehsan	BS Environmental Science 2019-2020	Assessing response of corporate and social sectors to environmental education program sponsorship	Completed
	Maria, Aqsa jabeen	BS Environmental Science 2018-19	Investigating the impacts of open dumping of municipal solid waste on environmental quality and public health in the vicinity of gondalanwala dumping site, gujranwala	Completed
	Laiba Shohail, Rabia Asad	BS Environmental Science 2017-18	Assessment of effect of roadside noise on visitor's health and their attitude towards use of urban green spaces in Lahore	Completed
	Kainat Khan, ZaibNaeem	BS Environmental Science 2017-18	Assessment Of Tree Biomass Carbon Stock Of Jallo Forest And Wildlife Park, Lahore	Completed
	Maria Abbas, Maham Sarfraz	BS Environmental Science 2016-17	Evaluation Of Heavy Metal Tolerance Potential Of Strains As Bioremediation Tool	Completed
	Anam Waheed	BS Environmental Science 2016-17	Public Health and Environmental Impacts of Lahore Orange Line Metro Train Construction Project	Completed
	Arooj Qaiser	BS Environmental Science 2014-2015	Bioremediation of mercury using filamentous green algae	Completed

	Ayesha Mughal	BS Environmental Science 2014-2015	Assessment of Antibacterial activity of lemon peel (<i>Citrus limon</i>) extract	Completed
	Sana Amjad	BS Environmental Science 2013-2014	Effect of Nala daik effluent on the growth of <i>Triticum aestivum</i>	Completed
	Samina Nazir	BS Environmental Science 2013-2014	Effect of Nala daik effluent on the growth of <i>Solanum melongena</i>	Completed
	Chanda Tufail	BS Environmental Science 2013-2014	Effect of municipal solid waste compost on the growth of <i>Solanum lycopersicum</i> (tomato)"	Completed
	Iram Aslam	BS Environmental Science 2013-2014	Effect of municipal solid waste compost on the growth of <i>Okra</i> (<i>Abelmoschus esculentus</i>)	Completed
	Iqra Azeem	BS Environmental Science 2013-2014	Determination of fecal coliform bacteria in drinking water of recreational parks of Lahore, Pakistan	Completed

Publications	Research Articles 1. Ghafoor, G. Z., Qureshi, E. M. A., Ghafoor, N. & Shehzad, L. (2014). Health Status and Hygiene Practices In Slums: A Case Study Of Lahore, Pakistan. <i>Biologia (Pakistan)</i>, 60(2), 273-278. 2. Qureshi, E. M. A., Vehra, S., Ghafoor, G. Z., Ali, A. S., & Ahmad, F. (2014). Community perception regarding dengue epidemic in Lahore, Pakistan. <i>Pakistan Journal of Science</i>, 66(1), 7. 3. Shahid, M. G., Nadeem, M., Baig, S., Cheema, T. A., Atta, S., & Ghafoor, G. Z. (2016). Screening and optimization of some inorganic salts for the production of ergot alkaloids from <i>Penicillium</i> species using surface culture fermentation process. <i>Pakistan journal of pharmaceutical sciences</i>, 29(2). 4. Shahid, M. G., Baig, S., Saleem, M., Arif, R., Ghafoor, G. Z., & Liaqat, A. (2018). Qualitative and quantitative analysis of ergot alkaloids produced by <i>Aspergillus niger</i> through surface culture fermentation process. <i>Pak. J. Bot</i>, 50(6), 2423-2428. 5. Ghafoor, G. Z., Sarfraz, M., Abbas, M. & Shahid, M. G. (2019). Evaluation of tolerance potential of <i>Aspergillus niger</i> and <i>Trichoderma viridae</i> against hexavalent chromium. <i>International Journal of Biosciences</i>. 14(4), 35-44 6. Hayyat, M. U., Munir, A., Shahzad, L., Farhan, M., & Ghafoor, G. Z. (2019). Assessing the nexus of fast food consumption and childhood
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	obesity in Lahore Metropolitan City of Pakistan. <i>International Journal of Biosciences</i>. 14(4), 95-102 7. Ghafoor, G. Z., Sharif, F., Khan, A. U., Hayyat, M. U., Farhan, M. & Shahzad, L. (2019). Energy consumption and carbon dioxide emissions of residential buildings of Lahore city, Pakistan. <i>Polish Journal of Environmental Studies</i>. 29(2), 1-11 8. Ghafoor, G. Z., Sharif, F., Khan, A. U., Shahzad, L., & Hayyat, M. U. (2019). Assessment Of Tree Biomass Carbon Stock Of Subtropical Scrub Forest, Soan Valley Pakistan. <i>Applied Ecology and Environmental Research</i>. 18(2): 2231-2245. 9. Munir, A., Hayyat, M. U., Shahzad, L., Sharif, F., Farhan, M., & Ghafoor, G. Z. (2020). Assessment of heavy metals concentrations in commercially available lipsticks in Pakistan. <i>Environmental Forensics</i>, 1-8. 10. Shahid, M. G., Nadeem, M., Gulzar, A., Saleem, M., Ghafoor, G. Z., Hayyat, M. U., & Nelofer, R. (2020). Novel Ergot Alkaloids Production from <i>Penicillium citrinum</i> Employing Response Surface Methodology Technique. <i>Toxins</i>, 12(7), 427. 11. Kanwal, A., Farhan, M., Sharif, F., Hayyat, M. U., Shahzad, L., Ghafoor, G.Z. (2020). Effect of industrial wastewater on wheat germination, growth, yield, nutrients and bioaccumulation of lead. <i>Scientific reports</i>. 12. Shahzad, L., Shah, M., Saleem, M., Mansoor, A., Sharif, F., Tahir, A., Hayyat, U., Farhan, M. & Ghafoor, G. (2021). Livelihood vulnerability index: a pragmatic assessment of climatic changes in flood affected community of Jhok Reserve Forest, Punjab, Pakistan. <i>Environmental Earth Sciences</i>, 80(7), 1-16. 13. Ghafoor, G. Z., Sharif, F., Khan, A. U. H., Shahid, M. G., Siddiq, Z., & Shahzad, L. (2021). Effect of climate warming on seedling growth and biomass accumulation of <i>Acacia modesta</i> and <i>Olea ferruginea</i> in a subtropical scrub forest of Pakistan. <i>Écoscience</i>, 1-14. 14. Ghafoor, G. Z., Sharif, F., Shahid, M. G., Shahzad, L., Rasheed, R., & Khan, A. U. H. (2022). Assessing the impact of land use land cover change on regulatory ecosystem services of subtropical scrub forest, Soan Valley Pakistan. <i>Scientific Reports</i>, 12(1), 1-12. 15. Shahzad, L., Ali, M., Zubair, H., Sharif, F., Hayyat, M. U., Ghafoor, G. Z. (2022). Detection of heavy metals in children playing products and its associated health risk assessment in Lahore, Pakistan. <i>International Journal of Environmental and Analytical Chemistry</i>. http://doi.org/10.1080/03067319.2022.21 16. Ghafoor, G. Z., Sharif, F., Hayyat, M. U., Shahid, M. G., & Shahzad, L. (2022). Effect of climatic factors on leaf litter decomposition dynamics of a subtropical scrub forest under field and microcosm conditions. <i>All Life</i>, 15(1), 1175-1187. 17. Ali, M., Shahzad, L., Hayyat, M. U., Sharif, F., Ghafoor, G. Z., & Nasir, R. (2023). Determination of heavy metals and their associated health risk
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	assessment in the commonly available sunblocks. <i>International Journal of Environmental Analytical Chemistry</i>, 1-18. 18. Shahzad, L., Yousaf, S., Riaz, N., Hayyat, M. U., & Ghafoor, G. (2023). Effects of the Covid-19 Pandemic on Primary Education System of Lahore, Pakistan. <i>Pakistan Journal of Medical & Health Sciences</i>, 17(03), 71-71. 19. Yasin, A., Shahzad, L., Hayyat, M. U., Ghafoor, G. Z., Saeed, S., Sharif, F., Riaz, U. & Saleem, M. B. (2023). Assessing and Mapping the Impact of Tourism and Changing Climatic Conditions in Himalayan Region of Pakistan. <i>Journal of Environmental Management and Tourism</i>, 14(3), 605-622. 20. Zahra, K., Farhan, M., Kanwal, A., Sharif, F., Hayyat, M. U., Shahzad, L., & Ghafoor, G. Z. (2023). Investigating the role of bulking agents in compost maturity. <i>Scientific Reports</i>, 13(1), 16003. 21. Tahir, Z., Hayyat, M. U., Khan, Q. F., Sharif, F., Farhan, M., Shahzad, L., & Ghafoor, G. Z. (2023). Phyto-and bio-management of metal (loid)-contaminated soil by inoculating resistant bacteria: evaluating tolerance of treated rice plant and soil with its efficiency. <i>Environmental Science and Pollution Research</i>, 1-13. 22. Javaid, K., Ghafoor, G. Z. Sharif, F., Shahid, M. G., Shahzad, L., Ghafoor, N., Hayyat, M. U., Farhan, M. (2023). Spatio-temporal analysis of land use land cover change and its impact on land surface temperature of Sialkot City, Pakistan. <i>Scientific Reports</i>. 13,22166. https://doi.org/10.1038/s41598-023-49608-x. 23. Shahzad, L., Waheed, A., Sharif, F., Ghafoor, G. Z., & Rafique, A. (2024). Understanding role of climatic parameters and adaptation strategies in agriculture productivity of South Asian countries. <i>Sustainable Environment</i>, 10(1), 2345453. 24. Farhan, M., Awan, N., Kanwal, A., Sharif, F., Hayyat, M. U., Shahzad, L., & Ghafoor, G. Z. (2024). Dairy farmers' levels of awareness of antibiotic use in livestock farming in Pakistan. <i>Humanities and Social Sciences Communications</i>, 11(1), 1-12. 25. Ghafoor, N., Ghafoor, G. Z., & Sharif, F. (2025). An empirical investigation of environmental impacts of agglomeration economies in major cities of Pakistan. <i>Scientific Reports</i>, 15(1), 1-10. 26. Aamir, U., Sharif, F., Waheed, S., Aslam, R., Shahzad, M., Shahzad, L., Rasheed, R., Ghafoor, G.Z., Hayyat, M. U., & Naqvi, F. (2025). Profile distribution and ecological risk assessment of organochlorine pesticides (OCPs) in environmental matrices of Uchalli and Khabeki Lakes. <i>Scientific Reports</i>, 15(1), 1-20. 27. Ali, N. M., Jatoti, G. H., Chaudhry, M., Zahid, S., Hanif, U., Shahid, M. G., Ghafoor, G. Z. et al. (2026). Screening and molecular characterization of post-craniotomy associated beta-hemolytic pathogenic bacteria and modulation of bactericidal potency of different antibacterial agents against these isolates. <i>Veredas do Direito</i>, 23, e235207-e235207.
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28. Munir, S., Ali, N. M., Mazhar, S. A., Zahid, S., Chaudhry, M., Shahid, M. G., **Ghafoor, G.Z.** & Riaz, S. (2026). Preliminary Screening of Conjunctivitis-Associated Beta Hemolytic Strains of *Staphylococcus aureus* and Their Resistance Against Different Antibacterial Agents. *Majalah Kedokteran Bandung*, 58(2), 115-122.

Conference paper publication

29. Ghafoor, G. Z., Yousaf, W., Alam, T., Zafar, S., & Alam, Z. (2012). Conceptual zoning scheme and overall land use plan for the threatened thorn forest plant community at Harappa Mounds. *Proceeding of Role of Botanic Gardens in Conserving Natural Vegetation*. Government College University Lahore. ISBN: 978-969-9071-06-5

Book Chapter

30. **Ghafoor, G. Z.**, Shahid, M. G., Ali, M., Ghafoor, N. (2023). Ecosystem services in the changing climate: Calling attention for the conservation of tropical and subtropical forests. In *Tropical Forests – Ecology, Diversity and Conservation Status*. Eds. Carmona, E. C., Musarella, C. M., Ortiz, A. C. IntechOpen.
31. Tahir, Z., Khan, Q. F., Hayyat, U., Sharif, F., Farhan, M., Rasheed, R., **Ghafoor, G.Z.**, Afzaal, M., Azhar, N., Nisa, Z. U., Majeed, H., & Sakandar, H. A. (2024). Isotopic Tools for Tracing Water Pollutants. In *Contaminated Land and Water: Remediation and Management* (pp. 69-89). Cham: Springer International Publishing.
32. Afzaal, M., Idrees, E., Farooq, M., Abbasi, N. A., Manan, H. A., Farooq, A., Mehboob, H. M., **Ghafoor, G. Z.**, Hayat, M. U., Mazhar, I., Bashir, N., Iqbal, S. S., Abbasi, N.A. Mannan, H.A., Ali, S., Begum, F., & Hashmi, Z. (2024). Contaminated Land/Water Microbial Diversity and Enzymatic Activity in Relation to Pollution. In *Contaminated Land and Water: Remediation and Management* (pp. 45-57). Cham: Springer International Publishing.
33. Khan, Q. F., Shabir, M., **Ghafoor, G. Z.**, Sharif, F., Khurshid, M., Rasheed, R., Hayat, M., Afzaal, M., Khurshid, M., Sakandar, A. H., Azhar, N., Akhtar, M. T. & Barq, M. G. (2024). Biodegradation of POPs in Contaminated Land/Water. In *Contaminated Land and Water: Remediation and Management* (pp. 101-118). Cham: Springer International Publishing.
34. **Ghafoor, G. Z.**, Rafique, A., Maher, U., Tahir, M., Shahid, M. G., Sharif, F., Ghafoor, N., Shahzad, L., Hayyat, M. U. & Afzaal, M. (2025). Microalgae as health and disease prevention agents. In *Algae Biotechnology for Biomedical and Nutritional Applications* (pp. 69-87). Academic Press.
35. **Ghafoor, G. Z.**, Ghafoor, N., Shahid, M. G., Qazi, A., Ikram, K. (2026). The Economic Side of Issue: Water, Energy, and Food: Case Studies from Developed and Developing Countries. In *Water Governance Nurturing Resilience for Sustainable Development*. Publisher: Apple Academic Press. [10.1201/9781998511631-11](https://doi.org/10.1201/9781998511631-11)

Selected Professional Presentations	<u>Participation in conferences</u> • Ghafoor, G. Z., Yousaf, W., Alam, T., Zafar, S., & Alam, Z. (2012). Conceptual zoning scheme and overall land use plan for the threatened thorn forest plant community at Harappa Mounds. <i>3rd Botanic Gardens conference on “Role of Botanic Gardens in Conserving Natural Vegetation.”</i> In Feb. 2012 at Government College University Lahore. • Ghafoor, G. Z., Khan, A. U. Estimation of carbon footprint from electricity and natural gas consumption in the residential buildings of Lahore. <i>Second International Conference on Global Environmental Changes.</i> Government College University Faisalabad (25-26th February, 2014). • Ghafoor, G. Z., Sharif, F. Assessment of biomass carbon stock of Hayat-ul-Mir forest, Soan Valley Pakistan. 4th international conference on “Role of botanic gardens in climate change adaptation and mitigation” organized by GCU Botanic garden on 21-23 Feb. 2018 • Ghafoor, G. Z., Amjad, S., Nazir, S., Saeed, F. Monitoring of plant growth parameters of <i>Triticum aestivum</i> and <i>Solanum melongena</i> irrigated with wastewater. 1st International Conference on Science, Technology and innovation” 2nd-4th April 2019 at Kinnaird College for Women, Lahore • Ghafoor, G.Z., Safdar, N., Shoukat, M. Assessment of tree and soil carbon stock of Jillani Park Lahore. <i>3rd International Conference on Environment and Development.</i> Sustainable Development Study Center, Government College University Lahore (13-15th September, 2021). • Ghafoor, G.Z., Jabeen, A., Maria, Shoukat, M., Safdar, N. Investigating The Impacts Of Open Dumping Of Municipal Solid Waste On Environmental Quality And Public Health In The Vicinity Of Gondalanwala Dumping Site, Gujranwala. <i>3rd International Conference on Environment and Development.</i> Sustainable Development Study Center, Government College University Lahore (13-15th September, 2021).	
Invited Reviews conducted	Year	Journal/Publisher
	2018	Journal of Housing and the Built Environment
	2020	Energy Efficiency
	2020	Journal of Housing and the Built Environment
	2021	Journal of quality assurance in agriculture science
	2022	Springer (Book Chapter)
	2022	Journal of Housing and the Built Environment
	2022	Mindano journal of science and technology
	2023	Journal of quality assurance in agriculture science
	2024	Scientific Reports
	2025	Pakistan Journal of Weed Science
	2025	Pakistan Journal of Weed Science
Conferences organized	1. 2 nd Conference ‘CO ₂ Talks 2026 (Digital Summit)’ at GCU Lahore in collaboration with PRGMEA (22 April 2026)	

	2. 1 st Conference ‘CO ₂ Talks 2025’ at GCU Lahore in collaboration with PRGMEA (22 April 2025) 3. 3 rd International Conference on Environment & Sustainable Development at GCU Lahore (13 th to 15 th Sep. 2021) 4. 2 nd International Conference on Environment & Sustainable Development at GCU Lahore (13 th to 14 th March 2018)				
Trainings attended	Sr. No	Workshops/Trainings	Dates		Name of Organizing institution
			From	To	
	1.	One-day training session titled “R Software for Statistical Analysis”	27 th January, 2026		ORIC GCUL
	2.	Training on Research Grant Proposal Writing especially focused on HEC Call for NRPU Projects	15 th Oct. 2025		ORIC GCUL
	3.	Training on intellectual property rights focused on patent writing/drafting and submission	9 th Oct. 2024		ORIC GCUL
	4.	Citation and literature management using EndNote Software	23 rd May 2024		ORIC GCUL
	5.	Three days Faculty Development Program (FDP) for Batch 3 “Advanced teaching excellence : Strategies for effective higher education instruction and professional development	19 th September 2023	21 st September 2023	Punjab Higher Education Commission (PHEC)
	6.	Training on ‘Advanced teaching and learning Programme 2023’	July 2023	August 2023	Directorate of Academics, GCUL
	7.	One day seminar on intellectual property rights (IPRs).	22 September 2022		Pakistan Scientific & Technological Information Centre and ORIC GCU Lahore.

	8.	Teacher's training on inclusive education & implementation of the HEC policy for students with disabilities	17 th August 2022	18 th August 2022	Center for Special Students, GCU Lahore
	9.	Quality assurance in higher education institutions	2 nd June 2022		GCU Lahore
	10.	One day Training workshop on Turnitin	25 th Jan 2022		GC University Lahore
	11.	Two days workshop on 'Promoting Research Excellence in Academics across Pakistan'	1 st Feb 2022	2 nd Feb 2022	HEC Pakistan & Elsevier
	12.	One day workshop on "A successful Journey from Research to Publication"	17 th Feb 2022		ORIC GC University Lahore
	13.	Two days workshop on Assessment in E-Learning and Quality Assurance Challenges	5 th July 2021	6 th July 2021	Virtual University, Lahore
	14.	Seminar on Funding opportunities for scientists under Pakistan Science Foundation	12 th Nov, 2021		ORIC GCUL
	15.	Three days Training workshop on "Outcome based education in higher education institutions"	20 th Nov 2017	22 nd Nov 2017	QEC, GCU Lahore
	16.	Workshop on Social Entrepreneurship	7 th Mar 2017	9 th Mar 2017	British Council, YES Network & GCU Lahore
	17.	Five days training workshop on "In-Service Short Term Training of University Faculty Members"	23 rd May 2016	27 th May 2016	QEC, GCUL & Punjab Higher Education Department