

LAHORE SCHOOL OF ECONOMICS

RESEARCH 2024-2025

DEPARTMENT OF ENVIRONMENTAL SCIENCE & POLICY

RESEARCH OUTPUT

CATEGORY	2023	2024 (Actual)	2025 (On- going)
HEC W Category/Impact Factor Journal Articles	6	7	14
HEC X and Y Category Journal Articles	4	2	5
ABDC/ABS/ MLA Journal Articles			
Books			
Book Chapters	4		
National Conference Papers	6		
International Conference Papers	1		1
Case Studies			
Lahore School Working Papers / International Working Papers			
Artistic productions (catalogued)			
MS Research Projects Supervised			
MPhil Theses supervised (Completed)	8	3	
MPhil Theses supervised (On-going)	4	4	9
PhD Theses supervised (Completed)			
PhD Theses supervised (On-going)			

RESEARCH PUBLICATIONS (ACTUAL & ON-GOING)

Actual 2024 (Author/s, Title of Publication, Journal, Year)

HEC W Category/Impact Factor Journal Articles

1. Butt, M. A., Ahmad, S. R., & Chaudhary, M. N. Environment Friendly Synthesis of Novel Schiff Base-Derived Nano Metal Complexes Using Green Solvents for Enhanced Biological Activity. *Polish Journal of Environmental Studies*. (I.F: 1.4)
2. Ishaq, T., Tamime, R., Bano, S., Akhtar, F. H., & Khan, A. L. (2024). Synergistic CO₂ capture using PANI-polymerized UiO-66 embedded in PEBAX mixed matrix membranes. *Carbon Capture Science & Technology*, 13, 100260.
3. Jillani, H., Chaudhry, M. N., Zahid, H., & Navid Iqbal, M. (2024). The mediating role of stakeholders on green banking practices and bank's performance: The case of a developing nation. *Plos one*, 19(5), e0300585. (I.F.: 3.7)
4. Khan, M., & Chaudhry, M. N. (2024). Evaluation of Environmental Impact Assessment legislation in Pakistan. *Impact Assessment and Project Appraisal*, 42(2), 123-140. (I.F: 1.4)
5. Khan, M., Chaudhry, M. N., Ahsan, M., & Ahmad, R. (2024). ChatGPT and the future of impact assessment. *Environmental Science & Policy*, 157, 103779. (I.F.: 6)
6. Sahar, T., Tamime, R., Usman, M., AlMohamadi, H., Nawaz, R., Anjum, T., & Khan, A. L. (2024). Tailoring thin film composite membranes for enhanced removal of heavy metals from water. *Journal of Applied Polymer Science*, 141(48), e56295.
7. Siddique, S., Chaudhry, M. N., Ahmad, S. R., Nazir, R., Javed, R., Hafeez, M. R., ... & Mahmood, A. (2024). Risk surveillance with spatial distribution of Organochlorine Pesticides (OCPs) from sedimentary samples of Chenab River. *Science of the Total Environment*, 912, 169256. (I.F.: 9.8)

HEC X and Y Category Journal Articles

1. Butt, M.A., Chaudhary, M.N. & Ahmed, S.R., Zaheer, M. & Naeem, M. One-pot environment friendly synthesis of imine derivative of furfural and assessment of its antioxidant and antibacterial potential, *European Chemical Bulletin*. (Y-category)
2. Wajid, W., Chaudhry, M.N., Hussain, N., Ijaz, M., Kifayat Ullah, Saeed, F., Aleem, M. & Desir, L. Estimation And Health Risk Assessment Of Selected Heavy Metals (Cd, Cr,

Pb, Cu And Ni) In Children Toys. *Journal of Population Therapeutics & Clinical Pharmacology*, 128-138 (2024). (X-category)

MPhil Theses supervised (Completed)

1. Chaudhry, M. N., Alishba Zulfiqar, “Evaluation of performance of the Activated, Calcinated, and Modified Brick powder processes for the adsorption of Poly Vinyl Alcohol by response surface methodology (RSM).” Co-supervisor Dr. Naeem Abbas.
2. Chaudhry, M. N., Maria Tariq, “Challenges Influencing the Occupational Health and Safety of Pakistani Migrant Workers in Construction Sector: A Qualitative Study in KSA, Dubai and Oman”
3. Chaudhry, M. N., Wasfa Shoukat, “Enhancing Phenol Removal from Wastewater through Activated Carbon and Response Surface Methodology (RSM) Optimization” Co-supervisor Dr. Naeem Abbas.

MPhil Theses supervised (Ongoing)

1. Chaudhry, M. N., Dua Fatima “Identification of heavy metals, steroids and their health risk assessment in local manufactured face wash of Pakistan” Co-supervisor: Dr. Naqi Hussain.
2. Chaudhry, M. N., Jehanzeb Waheed “Evaluation of Occupational Health Protocol in the Construction Sector of Islamabad: An insight into Awareness, Perception, & Implementation”
3. Chaudhry, M. N., Mahnoor Shujait “Assessment of hydroquinone and steroids and their health risk assessment in local manufactured whitening creams of Pakistan” Co-supervisor: Dr. Naqi Hussain.
4. Imran, S., Saba Zubair, ‘Evaluation of the indoor air quality on employees satisfaction and job performance in office buildings: a case study’

Actual/On-going 2025 (Author/s, Title of Publication, Journal, Year)

HEC W Category/Impact Factor Journal Articles

1. Arshad, S.F., Jillani, H., Imran, S., Chaudhry, M.N. & Saif, S. Evaluation of Occupational Health and Safety & Process Risk Assessment of Industrial Waste Incinerator, *Safety Science*, 2025
2. Jillani, H., Chaudhry, M.N., Jafri, S.R. & Zahid, H. The Impact of Social Media on Knowledge, Attitude and Practices towards Sustainable Consumption in Higher Education Institutions, *International Journal of Educational Development*, 2025

3. Jillani, H., Chaudhry, M.N., Jafri, S.R. & Zahid, H. Water VS Reusable Water Bottles: Drinking Water Choices in the Higher Education Institutions using TPB, *Frontiers in Education*, 2025
4. Khan, M., & Chaudhry, M.N. (2025). Barriers to institutionalization of SEA in Pakistan. *Impact Assessment and Project Appraisal*. (Planned)
5. Khan, M., & Chaudhry, M.N. (2025). Gaps in Impact Assessment teaching and research in Pakistan. *Impact Assessment and Project Appraisal*. (Submitted- in review)
6. Khan, M., & Jha-Thakur, U. (2025). Artificial Intelligence in EIA: Boon or bane for Pakistan and India. (Planned)
7. Khan, M., Chaudhry, M.N., & Ahmad, R. (2025). Flexibility of the EIA process to cater to urgent green projects in Pakistan. *Impact Assessment and Project Appraisal*. (Submitted)
8. Khan, M.R. Disposal of Potato Peel Waste of Potato Chips Industry in Lahore by its Microbial and Enzymatic Transformation into Fermentable Sugars and Ethanol
9. Khan, M.R. Environmental Situation of Continental Plastic Industries Pakistan with Special Reference to Health and Disease
10. Khan, M.R. Environmental Situation Review of Industrial Sector of Pakistan with a focus on Bunny's Limited
11. Khan, M.R. Impact of Sahiwal Coal Power Plant on Environment with Special Reference to Health and Safety.
12. Khan, M.R. Trace Elements in Medicinal Herbs, *Journal of the Chemical Society of Pakistan*, 2025 (submitted and under Review)
13. Khan, M.R. Transformation of banana waste into sugar and alcohol by *Aspergillus niger* and *saccharomyces cerevisiae*
14. Naseer, R. & Chaudhary, M.N. Applying the Value-Belief-Norm (VBN) Theory to Explore Public Intentions for Preserving Ecosystem Services. (On-going)
15. Naseer, R. & Chaudhary, M.N. Assessing forest fire likelihood and identification of fire risk zones using maximum entropy-based model in Khyber Pakhtunkhwa, Pakistan. *Environmental Monitoring and Assessment*, 2025. **(Published)**

HEC X and Y Category Journal Articles

1. Jillani, H., Naseer, R., & Imran, S. A Study on Solid Waste Management in Hunza: Impact of Tourism on Local Waste Practices. (Working Paper)
2. Naseer, R., Ashraf, U., Chaudhary, M.N. & Saeed, U. Identifying High Priority Areas for the Conservation of White-Backed Vultures (*Gyps bengalensis*) Using Ecological Niche Model Analysis. *Journal of Ecology and Environment*, 2025. (Revisions)

3. Naseer, R., Chaudhary, M.N. & Tariq, S. Spatiotemporal Clustering, Hotspot Analysis and Fire Risk Assessment in the Northern Region of Khyber Pakhtunkhwa (KP) Pakistan. (Working paper)
4. Naseer, R., Imran, S., Chaudhary, M.N., Saif, S. & Ikram, A. Occupational Health and Safety Risk Assessment of a Tobacco Manufacturing Industry. Occupational Health Science. (Working paper submitted)

International Conference Papers

1. Khan, M., & Chaudhry, M.N. (2025). Gaps in Impact Assessment teaching and research in Pakistan. 44th annual conference of the International Association for Impact Assessment, May 1-4, Bologna, Italy.

MPhil Theses supervised (Ongoing)

1. Abdullah, T., Maryam Tayyab ‘Smog in Lahore’
2. Chaudhry, M. N., Ayesha Khalid Bajwa ‘Detection of Heavy Metals in Soil Through Nano Technology’
3. Chaudhry, M. N., Dua Fatima “Identification of heavy metals, steroids and their health risk assessment in local manufactured face wash of Pakistan” Co-supervisor: Dr. Naqi Hussain.
4. Chaudhry, M. N., Jehanzeb Waheed “Evaluation of Occupational Health Protocol in the Construction Sector of Islamabad: An insight into Awareness, Perception, & Implementation”
5. Chaudhry, M. N., Kinza Saif
6. Chaudhry, M. N., Mahnoor Shujait “Assessment of hydroquinone and steroids and their health risk assessment in local manufactured whitening creams of Pakistan” Co-supervisor: Dr. Naqi Hussain.
7. Imran, S., Saba Zubair, ‘Evaluation of the indoor air quality on employees satisfaction and job performance in office buildings: a case study’
8. Khan, M. (Co-supervisor: Chaudhry, M. N.) Sidra Sakhwat
9. Khan, M. (Co-supervisor: Chaudhry, M. N.) Ome Habiba