SANVAL NASIM

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ACADEMIC APPOINTMENTS

Colby College.

> Assistant Professor of Economics, 2022 – Present.

Lahore University of Management Sciences (LUMS).

> Assistant Professor of Economics, 2016 – 2022.

ACADEMIC AFFILIATIONS

Institute of Development and Economic Alternatives (IDEAS), Associate Fellow.

Center for Economics Research in Pakistan (CERP), Research Fellow.

Mahbub-ul-Haq Research Center (MHRC), Research Fellow.

EDUCATION

Ph.D. Environmental and Natural Resource Economics and Policy / Environmental Sciences, *University of California, Riverside,* 2015.

B.A. Economics-Mathematics and History, *Colby College,* 2008.

IB, *United World College USA (New Mexico),* 2004.

RESEARCH INTERESTS

Environment, Climate Change, Political Economy

PUBLISHED PAPERS

1. Khan, A., S. Nasim, M. Shaukat, and A. Stegmann. 2021. "Building Trust in the State with Information: Evidence from Urban Punjab." *Journal of Public Economics*, 202, 104494.

2. Nasim, S. (**lead author**), S. Helfand, and A. Dinar. 2020. "Groundwater Management under Heterogeneous Land Tenure Arrangements." *Resource and Energy Economics*, 62, 101203.

3. Nasim, S., and F. Sharif. 2020. "To adopt, or not to adopt, 'why' is the question: A case for clean kiln technologies in developing countries." *Journal of Cleaner Production*, 257, 120553.

WORKING PAPERS

4. I. Imtiaz, S. Nakamura, S. Nasim, and A. Rezaee. 2023. *Beliefs, signal quality, and information sources: Experimental evidence on air quality in Pakistan.* IGC Working Paper PAK-22039. London: International Growth Centre.

5. Ahmad, H. F., M. Gibson, F. Nadeem, S. Nasim, and A. Rezaee. 2022. *Forecasts: Consumption, Production and Behavioral Responses.* IZA Discussion Paper No. 15831. Bonn: IZA – Institute of Labor Economics. *Under review.*

6. Nasim, S. and A. Stegmann. *Political Identity and Foreign Aid Efficacy: Evidence from Pakistani Schools.* CAGE Working Paper No. 624. Warwick: University of Warwick.

BOOK CHAPTERS

1. Nasim, S. 2023. "Managing Pakistan's Groundwater." In *Water Policy in Pakistan: Issues and Options*, edited by Mahmood Ahmad, 249-267. Switzerland: Springer Nature.

POLICY WORK

2. I. Imtiaz, S. Nakamura, S. Nasim, and A. Rezaee. 2023. *Public versus private air quality information in Lahore, Pakistan.* IGC Policy Brief PAK-22039. London: International Growth Centre.

3. Ahmed, K., I. Nabi, S. Nasim, A. Mahmood, and F. Said. 2022. *The path to a successful Pakistan.* IGC Project Report PAK-22051. London: International Growth Centre.

4. Ahmed, K., I. Nabi, S. Nasim, A. Mahmood, and F. Said. 2022. *Strengthening low-income household support programmes.* IGC Policy Brief PAK-22051. London: International Growth Centre.

5. Ahmed, K., and S. Nasim. 2022. *Prioritising climate action through a health and vulnerability lens.* IGC Policy Brief PAK-22051. London: International Growth Centre.

6. Habib, A., S. Nasim, and A. Shahab. 2021. *Charting Pakistan's Air Quality Policy Landscape.* IGC Project Report E-21019-PAK-1. London: International Growth Centre.

7. Nasim, S., and S. Helfand. 2016. *Optimal Groundwater Management in Pakistan's Indus Water Basin.* IFPRI PSSP Working Paper 34. Washington DC: International Food Policy Research Institute.

8. Nasim, S., A. Dinar, and S. Helfand. 2014. *Allocative Inefficiency and Farm-Level Constraints in Irrigated Agriculture in Pakistan.* IFPRI PSSP Working Paper 15. Washington DC: International Food Policy Research Institute.

GRANTS AND SPONSORED PROJECTS

Nasim, S. (PI), M. Gibson, S. Nakamura, and A. Rezaee (Co-PIs). *Belief formation, signal quality, and information sources: Experimental evidence on air quality from Pakistan*, 2022. International Growth Centre (IGC). £20,000.

Nasim, S. (PI), M. Gibson, S. Nakamura, and A. Rezaee (Co-PIs). *Belief formation, signal quality, and information sources: Experimental evidence on air quality from Pakistan*, 2021. International Growth Centre (IGC). £15,000.

Habib, A. and S. Nasim (Co-PIs). *Charting Pakistan's Air Quality Policy Landscape*, 2021. International Growth Centre (IGC). £12,000.

Greenstone, M. (PI), A. Habib, U. Naeem, and S. Nasim (Co-PIs). *Does the disclosure of third-party information on firm emissions increase regulatory compliance?* 2019. International Growth Centre (IGC). £32,000.

Lakdawala, Z., and S. Nasim (Co-PIs). *Ravi River Basin: Risks and Predictive Modeling*, 2019. LUMS Water Informatics and Technology Center (WIT). *Rs.*350,000.

Nasim, S. (PI), H. F. Ahmad, M. Gibson, F. Nadeem, and A. Rezaee (Co-PIs). *Forecasts: Consumption, Production and Behavioral Responses*, 2019. International Growth Centre (IGC). £62,000.

Nasim, S. (PI), H. F. Ahmad, M. Gibson, F. Nadeem, and A. Rezaee (Co-PIs). *Do Pakistanis value air pollution? Should they?* 2018. Lahore University of Management Sciences (LUMS). *Rs.*1,000,000.

Nasim, S., and F. Sharif (Co-PIs). *Investigating the Environmental and Economic Benefits of Energy Efficient Brick Kilns*, 2018. International Growth Centre (IGC). £8,000.

Asad, S., and S. Nasim (Co-PIs). *Dynamic Groundwater Management in Pakistan's Indus Basin: The Case of Periodic Investments in Groundwater Pumping Technologies*, 2016. LUMS Water Informatics and Technology Center (WIT). *Rs.*300,000.

S. Helfand (PI), and S. Nasim. *Optimal Groundwater Management in Pakistan's Indus Water Basin*, 2014. International Food Policy Research Institute (IFPRI), Pakistan Strategy Support Program (PSSP). $40,000.

Dinar, A. (PI), S. Helfand (Co-PI), and S. Nasim. *Allocative Inefficiency, Tenure Systems, and Poverty in Irrigated Agriculture in Pakistan*, 2012. International Food Policy Research Institute (IFPRI), Pakistan Strategy Support Program (PSSP). $40,000.

Dinar, A. (PI), S. Helfand (Co-PI), and S. Nasim. *Modeling Allocative Inefficiency of Irrigation Water across Agricultural Tenure Systems in Pakistan*, 2011. International Food Policy Research Institute (IFPRI), Pakistan Strategy Support Program (PSSP). $5,800.

OP-EDS AND BLOGS

Air Pollution. PIDE – Discourse. 2023.

Do Lahoris Care Where They Get Air Quality Information From? The Friday Times. October 7, 2023.

Avoiding Air Pollution. The Friday Times. September 21, 2023.

Sitara-e-This And Tamgha-e-That. The Friday Times. September 8, 2023.

Averting an air pollution disaster in South Asia. East Asia Forum. April 21, 2023.

How environmental risk factors affect health and poverty in Pakistan. IGC. October 4, 2022.

Give us clean air. Dawn. July 30, 2022.

Gasping for air: Punjab's perennial air pollution woes. Dawn. October 29, 2021.

Punjab's Pollution Crisis: Information, Research and Policy Gaps. MHRC. March 11, 2021.

The banality of Punjab's business plan. Dawn. February 25, 2020.

Economics of climate change. Dawn. September 20, 2019.

HONORS & AWARDS

Dissertation Year Program Fellowship Award, University of California, Riverside, 2013.

Hilda and George Liebig Environmental Sciences Summer Fellowship Award, University of California, Riverside, 2011.

Dean's Distinguished Fellowship Award, University of California, Riverside, 2009 – 2010.

Davis United World College Scholarship, Colby College, 2004 – 2008.

EDITORIAL SERVICE

Referee for *Water Resources Research*, *Asian Development Review*, *Water Economics and Policy*, *Journal of Water and Health*, *The Lahore Journal of Economics*.

CONFERENCES AND SEMINARS

2023   Path2Dev Conference (LUMS); Lahore University of Management Sciences (Department of Economics); Fifth International Conference on Applied Economics (The Lahore School of Economics); Maine Economics Conference (Bates College); The Lahore School of Economics (online); Paris Dauphine (online).

2022   Path2Dev Conference (LUMS); Institute of Business Administration Annual Conference.

2021   Lahore University of Management Sciences, Office of Inclusion and Diversity (online); Lahore University of Management Sciences, Department of Economics (online); Annual Conference of the European Association of Environmental and Resource Economists (online).

2020   Johns Hopkins University School of Advanced International Studies (online); Duke DevLab (online); World Wildlife Fund Pakistan.

2019   Second International Conference on Applied Economics (The Lahore School of Economics); Food and Agriculture Organization of the United Nations; Leadership for Environment and Development (LEAD) Pakistan; Lahore University of Management Sciences (Department of Economics); The Graduate Institute of Development Studies.

2018   The Supreme Court of Pakistan; The Abdus Salam Research Center; Humanities and Social Sciences Conference (Lahore University of Management Sciences).

2017   Annual Conference of the Association of Environmental and Resource Economists; Annual Conference of the European Association of Environmental and Resource Economists; Hisaar Foundation Water Conference; Government College University Lahore (Department of Environmental Sciences); World Wildlife Fund Pakistan; Humanities and Social Sciences Conference (Lahore University of Management Sciences).

2016   Lahore University of Management Sciences (Department of Economics); Department of Environmental Sciences Annual Symposium (University of California, Riverside).

2015   Pakistan Strategy Support Program Competitive Grants Conference (International Food Policy Research Institute); Giannini Foundation of Agricultural Economics Annual Conference (University of California, Riverside).

2014   Institute of Development and Economic Alternatives (IDEAS), Lahore; University of California, Riverside (Department of Economics); International Food Policy Research Institute; Giannini Foundation of Agricultural Economics Annual Conference (University of California, Berkeley).

2012   Giannini Foundation of Agricultural Economics Annual Conference (University of California, Davis).

PROFESSIONAL MEMBERSHIPS

Association of Environmental and Resource Economists (2017–Present)

European Association of Environmental and Resource Economists (2017–Present).

TEACHING

Colby College

Environmental and Natural Resource Economics: Fall 2022.

Econometrics: Spring 2023.

Challenges of the Anthropocene: Views from the Global South (Senior Seminar): Spring 2023.

Lahore University of Management Sciences (LUMS)

Introduction to Environmental Economics: Fall 2016, Fall 2017, Spring 2020, Spring 2021, Spring 2022.

Mathematical Applications in Economics: Spring 2017, Fall 2018, Fall 2019, Fall 2020, Fall 2021.

Advanced Environmental and Natural Resource Economics: Fall 2017.

Topics in Environmental and Natural Resource Economics: Spring 2018.

Principles of Macroeconomics: Spring 2019.

A Survey of the History of Economic Thought: Fall 2020.

University of California, Riverside

Introduction to Environmental Economics: Fall 2013, Fall 2014, teaching assistant to Prof. Ariel Dinar.

Introduction to Environmental Sciences: Spring 2012, teaching assistant to Prof. David Crohn.

SERVICE TO INSTITUTION

Colby College

Oak Human Rights Fellow Committee, 2023.

Fulbright Program Committee, 2022.

Davis United World College Scholars Welcome Dinner, Faculty Guest Speaker, 2022.

Colby South Asian Society, Faculty Member.

Lahore University of Management Sciences (LUMS)

University Council, Elected Member (2021–2022).

Country Coordinator, South Asian Economics Students' Meet, Lahore-Virtual (2022); Nepal (2020); Sri Lanka (2019).

Sexual Harassment Committee (2020–2022).

Undergraduate Curriculum Committee (2017–2022).

Conservation and Sustainability Committee (2016–2019).

University Lead, UI GreenMetric Ranking (2016–2018).

Space and Planning Committee (2016–2018).

Core Curriculum Committee (2020–2022).

Academic Integrity Committee (2020–2021).

Core Curriculum Design Committee (2016–2018).

Convener, Department Environment Cluster (2018–2022).

Department Graduate Program Committee (2021–2022).

Department Events Committee (2021–2022).

Department Search Committee (2018–2021).

Organizer, Department Brown Bag Seminar Series (2016–2019).

Department Development Cluster (2016–2018).

Department Econometrics, Math, and Statistics Cluster (2016–2019).

ADVISING (LAHORE UNIVERSITY OF MANAGEMENT SCIENCES)

MS Economics Students, as Primary Thesis Advisor

Omar Zahid Mirza (2021)

Nafia Mahfooz (2021).

Hassan Ali (2020).

Samina Faqir (2018).

Muhammad Ibrahim (2018).

Undergraduate Independent Study and Senior Project Students

Anum Mahmood (2021).

Maham Rasheed (2021).

Taram Nayab (2021).

Maheen Shariq (2021).

Syed Muzammil Zafar (2020).

Saniya Ali (2019).

Muhammad Hashaam Asif (2018).

Muhammad Zain Ali Khan (2018).

Afnan Ahsan Noble (2018).

Aiman Fajr (2017).

MISCELLANEOUS

Trainings & Workshops

Course Redesign Workshop, Colby Center for Teaching and Learning, 2022

Sexual Harassment Committee Training, LUMS Office of Accessibility and Inclusion, 2020.

Online Pedagogy Skills Training Workshop, LUMS Learning Institute, 2020.

Professional Development Training, Prof. Qaisar Sultana, 2017.

CONSULTING EXPERIENCE

Consortium for Development Policy Research (CDPR), 2021.

Charting Pakistan's Air Quality Policy Landscape

Described Pakistan's existing air quality regulatory framework.

Identified gaps in Pakistan's existing air pollution regulations.

Determined areas of policy research that would generate the most value to Pakistani citizens and policymakers.

The Urban Unit, 2020.

The Urban Unit's Strategic Plan (2020-2023)

Developed a series of turnaround strategies for the company with a focus on public- and private-sector engagement, business development, financial consolidation, and human resource management.

Prepared a monitoring and implementation framework to track and measure the success of the key performance indicators for the strategic plan.

Engaged with a series of stakeholders through interviews to inform the substance of the strategic plan.

Food and Agricultural Organization (FAO), 2019.

Disaster Risk Assessment and Management Plans (Punjab and Sindh)

Developed disaster risk assessment and management plans for Punjab and Sindh.

Reviewed existing disaster management protocols.

Led consultative workshops and key respondent interviews.

Created a framework for improved disaster risk planning and response at the provincial level.

The World Bank, 2019.

Policy Strategic Environmental Analysis (RISE Program)

Conducted a policy strategic analysis of the World Bank's RISE program in Pakistan.

Identified scaled environmental impacts of the prior actions under RISE, including potential effects on environmental budgetary allocations, greenhouse gas and industrial emissions, and water resources, forests, and wildlife.

Identified existing environmental polices and safeguards (at the federal and provincial levels) that the implementing authority could leverage to minimize the potential environmental risks of RISE.

Identified gaps in the existing environmental regulatory framework that could hamper the implementation of RISE and offered potential policy tools to fill these gaps.

United Nations Development Programme (UNDP), 2018.

Urban Water Conservation

Conducted a randomized controlled trial to evaluate interventions for urban water conservation in Islamabad.

Designed informational interventions to motivate recipients to reduce water consumption.

Developed a sampling framework to obtain a random sample of respondents for the study.

Conducted rigorous statistical analyses to causally identify the impacts of the interventions on multiple outcomes related to respondents' water consumption.

The Urban Unit, 2018.

Market-Based Emissions Reduction Strategy, Punjab

Developed the Punjab Environmental Protection Department's Market-Based Emissions Reduction Strategy.

Identified gaps in the existing emissions control strategy.

Designed a price-based framework to control emissions in the province.

Recommended actions to implement the market-based strategy.

International Food Policy Research Institute, 2017.

Punjab Agricultural Sector Climate Change Policy

Developed and co-authored the Punjab Agricultural Sector Climate Change Policy Report for the Department of Agriculture, Punjab.

Identified potential climate-related impacts of existing agricultural practices.

Described a series of climate change adaptation and mitigation strategies for the agriculture department.

Recommended actions to mainstream climate change in the agriculture department's operational plans.

Presented the report to key stakeholders, including policymakers, advisors, NGOs, and farmers, for their validation and approval.

†Canceled due to COVID-19.