



Dr. Muhammad Irfan

Economist, Researcher and Educator

Objective

Distinguished Economist, Researcher, Educator, and Business Leader with over two decades of experience in teaching, research, and industry. Currently serving as CEO & Director of Regional Heritage Food (Pvt) Ltd., combining academic excellence with entrepreneurial leadership. Committed to advancing the field of economics through innovative research in urban transportation, ecological footprints, environmental and health economics, effective teaching, and active collaboration with academic and professional communities.

Skills

*Team Leadership
Program Development
Strategic planning
University lecturing
Economic Analysis
Econometric Modelling
Stata, E-Views, SPSS,
Python Programming
Curriculum Development*

Address

*23-C, Street 1, Sector 4-A,
Khayaban-e-sir syed,
Rawalpindi*

Phone

*+92-321-5362939
+92-51-4834992*

DOB

04-11-1973

Email

Mirfan.imd@gmail.com

LinkedIn

<https://www.linkedin.com/in/muhammad-irfan-662799275/>

Experience

Adjunct Associate Professor

FAST National University | National Defense University (NDU) | COMSATS University Islamabad | International Islamic University | Foundation University

Nov 2023 Feb 2026

Director Research / Associate Professor (Hybrid)
Institute of Contemporary Studies, Jahangeria, Sawabi

July 2013 to June 2023

Assistant Professor
COMSATS University Islamabad, Pakistan

May 2012 to May 2013

Assistant Professor
Institute of Economics, International Islamic University Islamabad

September 2008 to April 2012

Department Head/ Assistant Professor
School of Accounting and Finance, University of Lahore, Islamabad Campus

August 2006 to August 2008

Lecturer
Islamabad college of Accounts and finance, Islamabad

September 2002 to April 2004

Lecturer
Raees ul Ahrar College of Commerce, Rawalpindi

Education

Ph.D.

Title: Evaluating the impact of open sewerage system on house rent in Rawalpindi city
Supervisor: Dr. Rehana Siddique (Ex- Director PIDE)
Research Grant: South Asian Network for Development and Environmental Economics (PKR 1.2 million)
University: Federal Urdu University of Arts Science and Technology, Islamabad.

M.Sc.

University: Institute of Economics, International Islamic University, Islamabad

Career Development Courses

Machine Learning **2020**
COMSTS University Islamabad (Islamabad)
(Learning validated with teaching)

Python for Financial and Algorithmic Trading **2020**
UDEMY (Online)

Python for everybody specialization **2019**
University of Michigan (Online)
1: Programming for everybody, 2: Python data structure, 3: Using python to access web, 4: Using database with python

CGE Modelling with GAMS **2018**
ECOMOD (Singapore)

Payment for Eco System **2009 SANDEE (Thailand)**

Advance Econometrics **2007 SANDEE (Nepal)**

Projects

Year	Role	Project	Details
2024 Islamabad	Techno-Economic Consultant	Socio-Economic analysis of launching Pakistan Optical Remote Sensing Satellite PRSS-02.	To evaluate and quantify the socio-economic benefits and costs of launching the RSS-2 satellite, demonstrating its value-for-money and how RSS-2 (directly and indirectly) improves economic output in urban planning, agriculture and water bodies, disaster management, forestry and marine life etc.
2022-23 Sawabi	Supervisor	Factors affecting consumers' intention to utilize solar energy in rural & urban areas of Pakistan	In the context of sustainable energy, this project explores the factors influencing consumer intentions to adopt solar energy. The findings are valuable for policymakers, energy providers, and environmental advocates, offering insights into promoting renewable energy usage and its potential impact on economic and environmental sustainability.
2020-22	Supervisor	Mode Shift Behavior of Commuters Toward Islamabad Metro Bus Service	Analyzing the mode shift behavior in transportation is significant for urban planning and policy development. Insights gained from this study can inform decisions on public transportation infrastructure and its impact on commuting patterns and overall city development.
2021-23	Consultant	Relationship Between Energy Consumption, CO2 Emissions, Economic Growth, and Health	This project likely examines the interconnectedness of energy consumption, environmental impact (CO2 emissions), economic growth, and health. Understanding these relationships is essential for crafting policies that promote sustainable development while safeguarding public health.
2019-21	Supervisor	Measuring the Impact of Air Pollutants on Ecological Footprint, Forest Area, and Cropland	Investigates the impact of air pollutants on ecological footprint, forest area, and cropland. This project provides valuable insights into the environmental consequences of air pollution and its effects on natural resources
2019-20	Consultant	Managing water commons and extent of their climate resilience in Punjab, Pakistan	Water scarcity is a critical issue facing regions worldwide, and Punjab, Pakistan, is no exception. The project aims to address this challenge by focusing on the management of water commons in the region. The project use game theory approach to analyze the data

Research Publications

S.No	Year	Details	HJRS
1	2024	Naqvi, R. A., Irfan, M. , Mansoor, A., & Mehboob, B. (2024). Revolutionizing Urban Transportation: The Role of Metro Bus Service in Mitigating Carbon Emissions in Islamabad-Rawalpindi Region. <i>Remittances Review</i> , 9(1), 2358-2368.	X
2	2023	Pan, C., Cristia, J. F. E., Irfan, M. , Pan, Z., Ghardallou, W., Tahir, M., & Ali, B. (2023). Modelling the ecological footprints, climate change and economic growth nexus. Geological Journal , 1– 20. https://doi.org/10.1002/gj.4767	W
3	2023	Muhammad Irfan, Basit Ali, Sher Akber, and Nilma Karam, (2023), Multidimensional Poverty Assessment in Pakistan: Does Household Dependency Escalate Poverty, Pertanika Journal of Social Science and Humanities vol 31(2)	X
4	2023	Irfan, M., Khurshid, N., Khurshid, J., & Khokhar, A.M. (2023). Human resource development and organisational performance: Evidence from Pakistan. SA Journal of Human Resource Management , 21(0), a2020. https://doi.org/10.4102/sajhrm.v21i0.2020	W
5	2023	Jing Ling; Muhammad Irfan ; Sarminah Samad; Basit Ali; Yao Zhang; Daniel Badulescu;Alina Badulescu; (2023), Relationship Between Energy Consumption, Co2 Emissions, Economic Growth And Health, International Journal of Environmental Research and Public Health (MDPI) ,	W
6	2022	Zaheen Khan, Sher Akber, Muhammad Irfan , (2022), “On the Estimation of Population Proportion in Systematic Sampling Schemes”, Indian Journal of Economics and Business , Vol. 21 No. 3 (July , 2022)	X

7	2022	Naqvi, R. A., Irfan, M., Farwa, S., Wong, W. K., & Ahmad, H. (2022). Mode shift behavior of commuters toward Islamabad metro bus service. <i>Advances in Decision Sciences</i> , 26(3), 1-24.	Y
8	2022	Ahmed, M., Irfan, M., Meero, A., Tariq, M., Comite, U., Abdul Rahman, A. A., & Gunnlaugsson, S. B. (2021). Bubble Identification in the Emerging Economy Fuel Price Series: Evidence from Generalized Sup Augmented Dickey–Fuller Test. <i>Processes</i> , 10(1), 65.	X
9	2022	Nabila Khurshid, Aleena Naseer, Jamila Khurshid, Arif Masih Khokhar, Muhammad Irfan , (2022), Assessing Social and Work Environmental Factors Towards Women Upward Career Development: An Empirical Study from Pakistan”, <i>The Journal of Asian Finance, Economics and Business</i> , 9(1), 53-61.	X
10	2022	Muhammad Irfan, Jacob Cherian, Abdul Aziz Abdul Rahman, Akram M. Haddad, Muhammad Safdar Sial, Basit Ali, Talles Vianna Brugni, (2022), ‘Measuring the Impact of Air Pollutants on Ecological Footprint, Forest Area and Cropland’, <i>International Journal of Energy Economics and Policy</i> , Vol 12, No 1, 2022	X
11	2021	Arif Masih Khokhar, Jamila Khurshid, Nabila Khurshid, Muhammad Irfan , (2021), Ethical Climate and Employee Performance – The role of organizational citizenship behavior and counterproductive work behavior”, <i>Indian Journal of Economics and Business</i> , Vol. 20 No. 4 (December, 2021)	X
12	2021	Ali, C., & Irfan, M. (2021). Estimating the recreational value for the sustainability of Hingol National Park in Pakistan, <i>Environmental and Socio Economic Studies</i> . 52–62. https://doi.org/10.2478/environ-2021-0010	W
13	2021	Khurshid, J., Khurshid, N., Masih, A., Ashraf, N. & Irfan, M. (2021). The Relationship between Self-Esteem and Women ’ s Entrepreneurial Intention : A Mediated Moderated Model. <i>International Journal of Innovation, Creativity and Change</i> , Volume 15, Issue 7, 2021	W
14	2021	Rashid, M., Irfan, M. , & Farooq, M. A. Is the Micro-Finance Program a Panacea for Household Welfare? An Empirical Analysis from Pakistan,(2021) <i>International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies</i> , Volume 12 Issue 3	X
15	2020	Yasir Khan, Arif Hussain, Maqsood Haider, Naveed Hussain Shah, Basit Ali, Muhammad Irfan (2020) Analysis of Pakistan’s Mutual Fund Performance Evidence from Traditional & Modern Methods. <i>Elementary Education Online</i> , 19 (3), 3969-3980. doi:10.17051/ilkonline.2020.03.735553	X
16	2020	Shakoor, U., Ali, S. A., Rashid, M., Irfan, M. , Hussain, M., & Usman, M. (2020). Performance Evaluation and Adaption of Biogas Plant Users among Rural Households of Pakistan, <i>International Journal of Innovation, Creativity and Change</i> , Volume 14, Issue 12, 2020	W
17	2020	Basit Ali and Muhammad Irfan. (2020), “The Trade-off between Household Expenditures and Smoking Expenditure: Pre and Post Smoking Awareness Ordinance in Pakistan”, <i>Asian Journal of Law & Economics</i> https://doi.org/10.1515/ajle-2020-003	X
18	2018	Naeem, M.A., Kashif ur Rehman, Muhammad Irfan , (2018), “An Empirical Investigation about the suitable financial distress prediction methods: A Case from Pakistan’s Manufacturing Sector”, <i>Journal of Managerial Science</i> , Vol XI(3)(SE)	Y
19	2017	Muhammad, I. (2017) Disamenity impact of Nala Lai (open sewer) on house rent in Rawalpindi city. <i>Environmental Economics and Policy Studies</i> , 19(1).	X
20	2016	Muhammad, Jameel & Muhammad Irfan . (2016). Monetary Policy, Business Cycles and Sectoral Response in Pakistan. <i>Acta Universitatis Danubius. (Economica)</i> , 12(4).	Z
21	2007	Irfan, M. (2007). The Impact of Open Sewerage Smell on House Rent in Rawalpindi, <i>Pakistan Development Review</i> , Vol. 46, No. 4, 803-815.	X

Referred Conference/Symposium Presentations

2018	Muhammad Irfan, “ Impact assessment of land use land change for non agriculture purpose: A CGE model for Pakistan”, ECOMOD-18 Venice, Italy , 4-6 July 2018.
2015	Muhammad Irfan & Yusra Ali, " Gold as a Hedge against Stock: A Case Study of Pakistan" 4 th International conference on social science and psychology, Seoul, South Korea , 27-29 June 2015.
2013	Kousar Bibi and Muhammad Irfan, “Islamic Banking Prospects and Profitability: A case study of Pakistan”, SAICON 2013, Bhorban, Pakistan.

Travel Grant

2018	Higher Education Commission: Grant to participate in International Conference on Economic Modelling at Italy to present paper on “Impact assessment of land use land change for non agriculture purpose: A CGE model for Pakistan” (PKR 225000)
2015	Higher Education Commission: Grant to participate in Higher Education Commission: 4 th International Conference on Social Science and Psychology, June 27 to 29, 2015, South Korea , to present paper on " Gold as a Hedge against Stock: A Case Study of Pakistan (PKR 185000)
2013	COMSATS institute of Information Technology Abbottabad: grant to participate in SAICON 2013 at Muree to present paper on “Islamic Banking Prospects and Profitability: A case study of Pakistan” (PKR 85000)
2010	South Asian Network for Development and Environmental Economics: grant to participate in An International Conference on Development and Environment in South Asia Kathmandu, Nepal (PKR 240000)

Research Grant

2018	Higher Education Commission: Managing Water Commons and the Extent of their Climate Resilience in Punjab, Pakistan. (PKR 0.35 million)
2015	Higher Education Commission: Estimating the cost of illness due to contaminated drinking water (PKR 0.47 million)
2006	South Asian Network for Development and Environmental Economics: evaluating the Impact of Nala Lai on Property value. (PKR 1.1 million)

References

Prof. Dr. Rehana Siddique
Ex Head and Director of Environmental Economics
PIDE, Islamabad, Pakistan.
rehana@pide.org.pk

Dr. Arshad Ali Bhatti
Chairperson, School of Economics
International Islamic University, Islamabad
arshad_bhatti@yahoo.com