

CURRICULUM VITAE

DR. GHULAM MURTAZA

Associate Professor (Tenured)



Date of Birth July 8th, 1980
Nationality Pakistani
University University of Balochistan, Quetta, Pakistan
Address Department of Disaster Management and Development Studies, University of Balochistan, Quetta, 87300, Pakistan.
Mobile +92-332-7882423
Personal Email gmurtaza_80@yahoo.com,
aamach100@gmail.com
Official Email murtaza.dmds@um.uob.edu.pk

Websites' URLs

UoB <http://web.uob.edu.pk/uob/departments/Disaster-Management/Faculty.php>

Research Links

Google Scholar https://scholar.google.co.th/citations?hl=en&user=hBp8roMAAAAJ&view_op=list_works&sortby=pubdate
ResearchGate <https://www.researchgate.net/profile/Ghulam-Murtaza-11/research>
ORCID <https://orcid.org/my-orcid?orcid=0000-0001-7206-0481>

EDUCATION

Degree	Year	Subject	University
Doctor of Philosophy (Ph.D.)	2015	Regional and Rural Development Planning, (RRDP)	Asian Institute of Technology, Bangkok,
Master of Science (MS/M.Phil.)	2010	Regional and Rural Development Planning, (RRDP) (CGPA 3.75/4.00)	Asian Institute of Technology, Bangkok, Thailand
Master of Science (M.Sc.)	2004	Statistics (Gold Medalist)	University of Balochistan, Quetta, Pakistan
Bachelor of Science (B.Sc.)	2001	Statistics, Mathematics, Economics	University of Balochistan, Quetta, Pakistan

AREAS OF EXPERTISE

- Rural Development
- Agricultural development
- Rural-urban Relations
- Disaster risk reduction and management (drought, flood, Earthquake etc.)

- Climate change adaptation
- Agricultural Efficiency
- Statistical Applications in Social Research
- Command of Software like DEAP, FRONTIER, SPSS, STATA, MS EXCEL etc.

RESEARCH INTERESTS

- Sustainable Rural Development
- Agricultural (Production) Efficiency
- Agricultural Marketing
- Agricultural Water Management
- Vulnerability Assessment
- Disaster risk reduction and management

COURSES DEVELOPED

Courses Developed for M.Phil./Ph.D. Programs at Disaster Management and Development Studies

- Advanced Research Methodology
- Concept and Theories of Development
- Rural-Urban Relations
- Agricultural Development Policies
- Applied Statistics Using SPSS

Courses Developed for BS Programs at Disaster Management and Development Studies

- Basic Principles of Disaster Planning and Management
- Community Based Disaster Risk Management
- Research Approaches in Disaster Management
- Fundamentals of Development Studies
- Community and Rural Development
- Fundamentals of Agricultural Development

PROFESSIONAL EXPERIENCE

- **Associate Professor** at the Department of Disaster Management and Development Studies, University of Balochistan Quetta, Pakistan (05th of August 2023 to date)
- **Responsibilities include:** teaching courses such as Disaster Planning and Mitigation, Advanced Research Methodology, Concept and Theories of Development, Rural-Urban Relations, Agricultural Development Policies, Statistics and Computer Applications.
- **Assistant Professor** at the Department of Disaster Management and Development Studies, University of Balochistan Quetta, Pakistan (03-2016 to 04-08-2023)
- **Responsibilities include:** teaching courses such as Disaster Planning and Mitigation, Advanced Research Methodology, Concept and Theories of Development, Rural-Urban Relations, Agricultural Development Policies, Statistics and Computer Applications.
- **Lecturer (Statistics)** at University of Balochistan Quetta, Pakistan (06-2007 to 03-2016)

Responsibilities included: taught statistical courses such as statistical inference, probability and probability distributions, statistical methods to Master's students and supervising research work.

- **Lecturer (Statistics)** at Education Department Colleges, Government of Balochistan (2006-2007)

Responsibilities included: taught descriptive and inferential statistics such as frequency distribution, measure of central tendency, measure of dispersion, probability, correlation and regression analysis, estimation and testing of hypothesis, Experimental Designs to under graduate level.

- **District Zakat Officer** at Population Welfare Department, Government of Balochistan (July 2004-Nov 2006)
- Responsibilities included: Planning welfare services on a district basis to meet local community needs; collaborating with governmental and non-government organizations (NGOs) in the district in respect of delivery of services in meeting the welfare needs of the local community; Distribution of public funds to assist the needy and the poor.

Administrative Experience

- Chairperson (HOD), Department of Disaster Management and Development Studies
- Coordinator Bachelor of Science (BS.) Program
- Member of the Department Admission Committee (DAC)
- Member of the Department Semester Committee (DSC)

DEVELOPMENT PROJECTS

Project	Donor	Funds	Duration /Status	Role
2019 - Project 1				
Project on “ Climate-Induces Rural to Urban Migration in Balochistan: Government Perspective ”	Islamic Relief Pakistan (IRP)	Total Cost: Rs. 650,000	Completed	Lead: Principal Investigator
2020- Project 2				
National Research Program for Universities (NRPU). Title: Vulnerability Assessment and Farmers' Coping/Adaptive Strategies Towards Climate Change in Balochistan	Higher Education Commission of Pakistan (HEC)	Total Cost: Rs. 1,698,136	Ongoing	CO-Principal Investigator

THESIS/DISSERTATION

Ph.D. Dissertation (2015)

- **Thesis Title:** Production and Marketing Efficiencies of Apple Farms in Balochistan, Pakistan
- **University:** Regional and Rural Development Planning, School of Environment, Resources and Development, Asian Institute of Technology, **Thailand.**

M. Phil Thesis (2010)

- **Thesis Title:** Technical efficiency of horticulture farms in Balochistan, Pakistan : a stochastic production frontier analysis
- **University:** Regional and Rural Development Planning, School of Environment, Resources and Development, Asian Institute of Technology, **Thailand (3.75/4.00 CGPA)**

PUBLICATIONS

2025

1. Sumra Sajida Tufail, Syed Ainuddin, **Ghulam Murtaza**, Farhana Amir Ali, Imran Khan, & Shabana Faiz. (2025). "The Effect of Cognitive, Affective and Risk Perception Factors in Influencing Public Preventive Behavior Towards Covid-19 in Quetta". Advance Social Science Archive Journal, Vol. 3, No.01, Pp: 227–244. (Y–Category)
2. Farhana Amir Ali, **Ghulam Murtaza**, Syed Wajid Hanif Bukhari, Sumra Sajida Tufail, & Muhammad Ashraf. (2025). "Determinants of Household Waste Management: Socio-economic Insights for cleaner Quetta, Pakistan". , 3(02), 1527–1540. Retrieved from <https://assajournal.com/index.php/36/article/view/445>. (Y–Category)

2024

3. Farhana Amir Ali, **Ghulam Murtaza**, Muhammad Ashraf, Sumra Sajida Tufail, (2024). "Selection of an Appropriate Technology for Hospital Waste Management in Quetta City, Pakistan", Journal of Hazardous, Toxic, and Radioactive Waste, Volume 28, Issue 4. <https://doi.org/10.1061/JHTRBP.HZENG-1289>. (X–Category, IF: 2.1)
4. Kaleemullah, **Ghulam Murtaza**, Muhammad Ashraf, Shameem Alam, Inam Ul Haq, (2024) "Effectiveness of Environmental Impact Assessment (Eia) In Urban Development: A Case of Quetta Metropolitan City, Pakistan", Journal of Xi'an Shiyou University, Natural Sciences Edition, Vol: 67 Issue 06, DOI: 10.5281/zenodo.12295545. (X–Category)
5. Farhana Amir Ali, **Ghulam Murtaza**, Sumra Sajida Tufail, (2024). "Current Status and Future Directions for Industrial Waste Management in Quetta City, Pakistan", Annals of Human and Social Sciences, Vol. 5, No. 1, pp: 115-120. [http://doi.org/10.35484/ahss.2024\(5-I\)11](http://doi.org/10.35484/ahss.2024(5-I)11). (Y–Category)
6. Sumra Sajida Tufail, Syed Ainuddin, **Ghulam Murtaza**, (2024). "Assessing Risk Perception about COVID-19 in Quetta City, Balochistan", Pakistan Social Sciences Review, Vol. 8, No. 2, pp: 609-619. [https://doi.org/10.35484/pssr.2024\(8-II\)50](https://doi.org/10.35484/pssr.2024(8-II)50) [609-619]. (Y–Category)
7. Salman Essa, **Ghulam Murtaza***and Muhammad Ashraf, (2024). "Enhancing Disaster Resilience through Disaster Education: A Case Study of District Kech, Balochistan," Annals of Human and Social Sciences, Vol. 5, No. 4; Pp: 494-505. (Y–Category)
8. Sumra Sajida Tufail, Syed Ainuddin, **Ghulam Murtaza**, Farhana Amir Ali, Imran Khan, & Shabana Faiz. (2024) "Cultural Beliefs And Their Role In Shaping Risk Perception During Covid-19", Advance Social Science Archive Journal, Vol. 2, No.04, Pp: 1211–1220. (Y–Category)

9. Jahangir Khan, Dr. Muhammad Ashraf, **Dr. Ghulam Murtaza**, Gulshan Ghafoor, (2024). "Impact Of Coal Mining In Modification Of Rural Livelihood: A Case Study Of District Duki Balochistan." Harf-o-Sukhan, Vol. 8, No. 1. Pp: 606-614. (Y-Category)

2023

10. Jamal-ud-din, Syed Ainuddin, **Ghulam Murtaza**, Shabana Faiz, Abida Sher Muhammad, Abdul Raheem, Sanaullah Khan, (2023). "Earthquake vulnerability assessment through spatial multi-criteria analysis: a case study of Quetta city, Pakistan", *Environmental Earth Sciences*, Vol. 82; Pp: 262. (W-Category, IF=3.152)
11. Hashim Durrani, Ainuddin Syed, Sharon Gourdji, **Ghulam Murtaza**, Amanullah Mengal, (2023). "Exploring farmers' coping strategies and adaptive measures against the extended drought in Balochistan, Province of Pakistan", *Environment, Development and Sustainability*, <https://doi.org/10.1007/s10668-023-04161-5> (W-Category, IF=4.7)
12. Raheem A., **Murtaza G.**, Asharaf M., Ainuddin S., Baber J. R., Jamal-ud-Din, Agha S. A., Malik, A., (2023), "Earthquake Survivors And Depression Development: A Case Study Of 12 Years Later Ziarat Earthquake, Balochistan", *Journal of Positive School Psychology*, Vol. 7 Issue 2;Pp: 489-500. (X-Category)
13. Nisar Ahmed, Muhammad Ashraf, **Ghulam Murtaza**, Syed Ainuddin, Jamal-Ud-Din, Jamil-Ur-Rehman Babar, (2023) "Farmers' Perception about Drought and Climate Change in North-West Region of Balochistan, Pakistan", *Journal of Jilin University (Engineering and Technology Edition)*, Vol. 42, Issue 02. Pp: 510-521 (X-Category)
14. Shami, U. T. ., **Murtaza, G.** & Ashraf, M. (2023) "Analysis of man-made Disasters and creating Resilience in the Pakistani society", *Journal of Social Sciences Advancement*, Vol. 4 Issue 01. Pp: 1-6. (Y-Category)
15. Muhammad Hanif, Ghulam Murtaza, Muhammad Tahir Rashid and Muhammad Ashra, (2023) "Assessing Farmers' Flood Vulnerability and Institutional Role in Mitigating Its Impacts in District Jamshoro, Sindh", **Journal of Asian Development Studies Vol. 12, Issue 3, pp: 337-347** <https://doi.org/10.62345/jads.2023.12.3.26>
16. Sanam Malik, Dr. Muhammad Ashraf, **Dr. Ghulam Murtaza**, (2023) "Socio-Economic Impacts of Climate Change on the Coastal Areas of Balochistan", *Journal of Development and Social Sciences*, Vol. 4, No. 2, pp: 1026-1035 [http://dx.doi.org/10.47205/jdss.2023\(4-II\)90](http://dx.doi.org/10.47205/jdss.2023(4-II)90) (Y-Category)
17. Sidra Abdul Ghafoor, Dr. Mumtaz Ali Baloch, **Dr. Ghulam Murtaza**, (2023). "Socio-Cultural Challenges to Women's Political Participation in Makran, Balochistan", (*JQSS Journal of Quranic and Social Studies*, 3(2), pp: 24-36 (Y-Category)
18. Muhammad Asif, Dr. Siraj Bashir, **Dr. Ghulam Murtaza**, (2023). "Impact of Sexual Harassment on Female Students' Educational Experience in Higher Education in Quetta City", *Journal of Policy Research*, 9(4), Pp: 198-216 <https://doi.org/10.61506/02.00142> (Y-Category)
19. Farhana Amir Ali, **Dr. Ghulam Murtaza**, Dr. Muhammad Ashraf, (2023). "A Comparative Study of Hospital Waste Management at Public and Private Hospitals of Quetta City, Pakistan", *Journal of Development and Social Sciences*, Vol. 4, No. 4. [https://doi.org/10.47205/jdss.2023\(4-IV\)65](https://doi.org/10.47205/jdss.2023(4-IV)65). Pp: 728-739 (Y-Category)
20. Arshad, A., Ashraf, M. ., & **Murtaza, G.** (2023). Logistics and Rescue Operations, Role of Aviation in Disaster management in Pakistan: Logistics and Rescue Operations, Role of

Aviation in Disaster management in Pakistan. *Journal of Geography and Social Sciences (JGSS)*, 5(2), 91–106. Retrieved from
<http://jgssjournal.uob.edu.pk/journal/index.php/jgss/article/view/30>

2022

21. Jamal-Ud-Din, Syed Ainuddin, **Ghulam Murtaza**, Shabana Faiz, Abida Sher Muhammad, Sanaullah, (2022), “*Factors Contributing to Earthquake Vulnerability: A Case Study of Quetta, Pakistan*”, *Journal of Tianjin University Science and Technology*, Vol. 55, Issue 7. Pp: 343-352. **(X–Category)**
22. Asfand Yar Ayaz, Muhammad Ashraf, **Ghulam Murtaza**, Said Qasim, Jamal-ud-din: Climate Change Impacts on Horticultural Crops Productivity and Farmers’ Adaptive Strategies in District Pishin, Balochistan. *Jilin Daxue Xuebao (Gongxueban)/Journal of Jilin University (Engineering and Technology Edition)*. Vol 41 (9). (2022) **(X–Category)**
23. Amjad Khan, Syed Ainuddin, **Ghulam Murtaza**, Hashim Durrani, Kamran Naeem (2022), “*Willingness to Pay for the Conservation of Natural Vegetation in District Ziarat, Balochistan*”, *Indian Journal of Environmental Protection*, Vol. 42 Issue. 7: Pp: 876-882. **(Y–Category)**
24. Maria, **Ghulam Murtaza**, Muhammad Ashraf, Syed Ainuddin, Uzma Mukhtar, Jamal-ud-din, Abdul Rahim. Horticultural Farmers’ Livelihood Vulnerability to Climate Change in Upland Balochistan, Pakistan. *Jilin Daxue Xuebao (Gongxueban)/Journal of Jilin University (Engineering and Technology Edition)*. Vol 41 (11). (2022) **(X–Category)**
25. Said Qasim, Muhammad Qasim, Anees Hassan, **Ghulam Murtaza**, Amir Nawaz Khan, (2022) “*A Comparative Analysis of Adopters and Non-adopters of Drip Irrigation under Plastic Tunnels for Cucumber (Cucumis sativus L.) Production in Balochistan, Pakistan*”, *Irrigation and Drainage*, Volume 71, Issue 3, Pages 635-647. **(X–Category, IF= 1.424)**
26. Bashir Ahmed, **Ghulam Murtaza**, Muhammad Ashraf, Syed Ainuddin, Jamal-Ud-Din, Abdul Rahim (2022) “*Factors Influencing Apple (Malus Domestica) Productivity in District Mastung, Balochistan, Pakistan*. *Journal of Tianjin University Science and Technology*. Vol. 55 Issue 7. Pp: 274-284 (2022) **(X–Category)**.
27. Romana Iftikhar, Said Qasim, **Ghulam Murtaza**, Sabiha Mengal, Uzma Mukhtar, Jamal-Ud-Din, (2022), “*Rainfall Trend Analysis Using Man-Kendal Test and the Sen’s Slope Estimator in Zhob District of Balochistan*”, *Journal of Jilin University (Engineering and Technology Edition)*, Vol. 41 Issue 9. Pp: 28-35. **(X–Category)**.

2021

28. Abdul Raziq, Naveed Sheikh, Muhammad Rafique, **Ghulam Murtaza**, Arbab Muhammad Jehandad, Muhammad Alam Tareen, (2021) “*Forecasting Fertility and Child Mortality Rates of Pakistan Using Time Series Model*”, *Linguistica Antverpiensia*, 2021 Issue-2. Pp: 1194-1213. **(W–Category)**
29. Amanullah Mengal, Katsuichiro Goda, Muhammad Ashraf & **Ghulam Murtaza** (2021), “*Social vulnerability to seismic-tsunami hazards in district Gwadar, Balochistan, Pakistan*”, *Natural Hazards* 108, pages 1159–1181 **(W–Category IF: 3.158)**
30. Abdul Raziq, **Ghulam Murtaza**, Muhammad Rafique, Naveed Sheikh, Khuram Shahzad, Arbab Muhammad Jehandad, (2021), “*Renewable Electricity Consumption, Foreign*

- Direct Investment and Economic Growth in Pakistan: An ARDL Approach and Regression Analysis”, *Linguistica Antverpiensia*, 2021 Issue-2. Pp: 1214-1227 (**W-Category**)
31. Rabeeya Raoof, Rabia Rasool, Javeria Sattar, Usman Taj Shami, **Ghulam Murtaza**, Muhammad Ashraf, Qurban Ali, Arif Malik. Evaluation of disaster risk management structure of Pakistan with emphasis on man-made disaster. *PalArch's Journal of Archaeology of Egypt/ Egyptology*. Vol 18 (9). (2021) (**X-Category**).
 32. Abdul Raziq, Muhammad Rafiq, **Ghulam Murtaza**, Katrina Lane-Krebs' (2021) "Relationship between job satisfaction and aspects of life: A case study of teachers in Balochistan, Pakistan", *Elementary Education Online*, 2020; Vol 19 (Issue 3): pp. 2979-2985. doi: 10.17051/ilkonline.2021.05.691 (**X-Category**).
 33. Siraj Bashir, **Ghulam Murtaza**, Sana Ullah, Mobeen Ahmed, Shakir Adam (2021) "Learning Experiences Of Students About Online Teaching And Learning During Covid-19 Pandemic In Balochistan", *Palarch's Journal Of Archaeology Of Egypt/Egyptology* 18(10), pp: 1692-1704. (**X-Category**)
 34. **Ghulam Murtaza**, Abdul Raheem, Mumtaz Ali Baloch, Muhammad Naseem Akhtar, Sakina Riaz, (2021), "Earthquake Hazard in District Ziarat, Baluchistan: Mitigation Measures", *International Journal of Economic and Environmental Geology*, Vol. 12 (3) 48-53 (**Y-Category**)
 35. **Ghulam Murtaza**, Siraj Bashir, Abdul Khaliq, (2021), "Barriers in Adopting Sustainable Agricultural Practices (SAPs) Under Changing Climate in Balochistan, Pakistan", *Pakistan Journal of Applied Social Sciences* Vol. 12 (1), 2021, pp.1-16, (**Y-Category**)
 36. Sadia Shaikh, Muhammad Faisal Sultan, **Ghulam Murtaza**, (2021), "Determinants of COVID-19 in Pakistan: Evidence from Public Opinion from Karachi," *International Research Journal of Arts and Humanities (IRJAH)* Vol.49, No. 49, pp: 165-180 (**Y-Category**)
 37. Sahibzadi Baloch, Sanaullah Panezai, **Ghulam Murtaza** (2021), "Knowledge, Attitude and Practice of Oral Health among School Students in Balochistan, Pakistan", *Public Health Research* 2021, 11 (3): pp: 99-110 DOI: 10.5923/j.phr.20211103.03. (**Y-Category**)
 38. Muhammad Ashraf Ansari, Muhammad Ashraf, **Ghulam Murtaza**, Muhammad, Zaigham Javed, (2021) "Assessing Community Preparedness and Institutional Role in Reducing Vulnerability of Flood Prone Areas of Balochistan", *Journal of Himalayan Earth Sciences* Volume 54, No. 2, 2021 pp. 47-60 (**Y-Category**)

2020

39. Amanullah Mengal, Muhammad Ashraf, Katsuichiro Goda, **Ghulam Murtaza** and Hashim Durrani (2020), "People's Risk Perception of Tsunami Hazard in a Development District of Balochistan, Pakistan: The Case of Gwadar. *Pakistan Geographical Review*, Vol 75 (1). p 264 – 283. (**Y-category**)
40. Ruqia Rehman, Fida Muhammad Bazai, **Ghulam Murtaza**, (2020) "Students' Perception of Terrorism and liberal Narrative about Afghanistan in Pakistan", *Pakistan Vision* Vol. 21 No. 1, pp: 423-437 (**Y-Category**)
41. Fozia Bibi, Dr. Syed Haider Shah, Dr. **Ghulam Murtaza**, Dr. Syed Munawar Shah, Manzoor Ali, (2020), "An Empirical Comparison of SFA and DEA for the Apple Production in a Drought Prone Area of Balochistan", *Journal of Applied and Emerging Sciences*,

Special Issue (01) for 1st International Symposium on Building Economic Resilience Against Pandemics. (Y-Category)

42. Shabana Yasmeen, Yasmin Zahra Jafri, **Ghulam Murtaza**, Summiya Malik, Zahra Khanum, Sayed Fareed Ullah, (2020), "Impact of Economic Parameters of China and Pakistan with Return on Assets and Tobin's Q Using Statistical Techniques", American Journal of Economics, 10(1): pp: 29-36, DOI: 10.5923/j.economics.20201001.05. (Z-Category)

2019

43. Nadir M., Ainuddin S., & **G. Murtaza**, (2019) "Public and Institutional Earthquake Disaster Preparedness in District Mansehra, Pakistan". The Women, Research Journal, Volume 11 No.11. Pp: 254-270. (Y-Category)
44. Ruqia Rehman, **Ghulam Murtaza**, Fida Muhammad, (2019), "Students' Perception of Terrorism and Liberal Narrative in Pakistan", Pakistan Vision Vol. 20 No. 2. Pp: 261-275 (Y-Category)
45. Abdul Khaliq, Dr. **Ghulam Murtaza**, Mohammad Ashraf, Mir Sadaat Baloch, (2019) "A Review of Potential Adaptation Strategies for Climate-Smart Sustainable Agricultural Development", Balochistan Review Volume 42 No.1. Pp: 204-215. (Z-Category)
46. Ghulam Murtaza, (2019), "Are Small-scale Apple growers in Balochistan Cost Efficient? Empirical Evidence Using Data Envelopment Analysis (DEA)", Balochistan Review Volume 43 No.2. Pp:14-29. (Z-Category)
47. Asad Ullah, **Ghulam Murtaza**, Muhammad Ashraf, Jamal Ud Din, (2019), "Role of Pakistani Tv Channels in Disaster Risk Management", Balochistan Review Volume 43 No.2. Pp: 210-225(Z-Category)
48. Saeed ur Rehman, **Ghulam Murtaza**, Syed Ainuddin, Jamal-ud-din (2019), "Role of NGO's in Relief and Rehabilitation in Post-Earthquake of District Ziarat, Balochistan", Balochistan Review Volume 44. Pp: 308-323(Z-Category)
49. Jamal-ud-Din, Ainuddin, S., **Ghulam Murtaza**, Faiz, S., Ashraf, M. & Achakzai, A., (2019), "Assessing vulnerabilities to natural disasters of Malgagai refugee village Killasaifullah, Balochistan", Researcher Volume 11 (10). Pp: 56-63. (Z-Category)

2018

50. Hashim Khan. & **Ghulam Murtaza**. (2018) "Assessing Social impacts of flood on communities: A case study of district Jaffarabad Balochistan". Balochistan Review Volume 38 No.1, 2018. (Z-Category)
51. Shakeel, R., Ainuddin S., **Ghulam Murtaza** & Ashraf M., (2018) "Assessing effectiveness of disaster management institution in Pakistan: A case of Balochistan". Balochistan Review Volume 38 No.1, 2018. (Z-Category)
52. Raheem A., **Ghulam Murtaza** & Ainuddin S. (2018) "Revealing Households' Vulnerability to Earthquake in District Ziarat, Balochistan". Journal of Education & Humanities Research" Volume 6 No: 2, 2018. (Y-Category)
53. Yasmeen Nawaz, **Ghulam Murtaza**, Ainuddin S., & Hashim Khan. (2018) "Women in Disasters: Their Vulnerability and Role during Flood of District Jaffarabad Balochistan". Balochistan Review Volume 39 No.2, 2018. (Z-Category)

2017

54. **Ghulam Murtaza**, Thapa GB (2017), "Factors affecting technical efficiency of small-scale apple farms in Balochistan Plateau, Pakistan", Journal of Mountain Science 14 (4) pp: 782-794. DOI: 10.1007/s11629-016-3937-z (**W-Category, IF: 2.496**)
55. Jamal-ud-din, Ainuddin, S, **Ghulam Murtaza**, and Shabana, F, (2017), "Identifying factors of vulnerabilities to natural disasters", Balochistan Review, Volume 37 No.2, 2017. (**Z-Category**)

2015

56. **Ghulam Murtaza** & Gopal Bahadur Thapa (2015), "Determinants of Yield Gap in Small-scale Apple Farms in Balochistan, Pakistan", Journal of Crop Improvement, 29:2, pp: 196-227, DOI:10.1080/15427528.2014.994054 (**X-Category**)

PAPERS PRESENTED AT CONFERENCES with ABSTRACT PUBLICATIONS

1. Member of Panel discussion on National workshop on "**Coastal Hazards, Local Needs Gap Analysis Framework of Recommended National Preparedness and Response**", June 15, 2023
2. Key speaker on "**Provincial Coordination Meeting on Disaster Risk Reduction in Balochistan**", June 8, 2023.
3. **Capacity Need Assessment (CNA)** of Bureau of Statistics (BoS) Balochistan and Statistical Cells in Line Departments for Implementation of 2030 Agenda (SDGs) in Balochistan, December 30 2020 at University of Balochistan organized by UNDP/P&DD and GIL.
4. Field Assessment and Workshop under "**Balochistan Water Engagement**" April 2019 organized by Pakistan Poverty Alleviation Fund Islamabad.
5. Guest speaker in seminar on "**Impact of Drought Induced by Climate Change**", June 2019
6. Key speaker in Seminar on "**Climate Migration: The Unfolding Crisis**". September, 2019
7. **Disaster Preparedness and Response Planning (DPRP) Training and Simulation Exercise (SIMEX)** Organized by National Institute of Disaster Management, 2018
8. **Semester System and Its Implementation**, organized by University of Balochistan on 27th March 2017 at University of Balochistan
9. **Impacts of Drought Induced by Climate Change in Balochistan** organized by Islamic Relief of Pakistan at University of Balochistan, Quetta on 18th September 2017

RESEARCH SUPERVISION

Ph.D. Supervision

S. No	Student Name	Thesis (Dissertation) Title	Session	Status
1.	Ruqia Rehman (Supervisor)	National Narratives effect on Students' perceptions about terrorism in Pakistan	2018-21	▪ Graduated
2.	Shabana Faiz (Supervisor)	Assessing the Socio-economic impacts of drought on farmers and their adaptive Strategies under changing climate in District Pishin, Karezat, Baluchistan	2018-21	▪ Graduated
3.	Amjad Khan (Co-Supervisor)	Evaluation of Land cover change and peoples' perception towards vegetation conservation in district Ziarat Pakistan	2016-19	▪ Graduated
4.	Jamal-ud-Din (Co-Supervisor)	Spatial Assessment of earthquake hazard and vulnerability in seismically prone Quetta city, Balochistan	2018-21	▪ Graduated
5.	Bashir Ahmed (Supervisor)	Water Management Practices and Agricultural Productivity under Changing Climate in District Mastung, Balochistan (In Progress)	2016-19	▪ Thesis under Review
6.	Farhana Amir Ali (Supervisor)	Municipal Solid Waste Management: Practices, Problems and Future Challenges in Quetta City	2018-21	▪ Thesis under Review
7.	Kaleemullah (Supervisor)	Effectiveness of Environmental Impact Assessment (EIA) in Urban Development: A case of Quetta Metropolitan City, Pakistan	2023	▪ In Progress
8.	Nisar Ahmed (Co-Supervisor)	Assessing Drought Impacts on Horticultural Production and Farmers Adaptation Strategies in Balochistan Province, Pakistan	2016-19	▪ In Progress
9.	Sumra Sajida Tufail (Co-Supervisor)	Assessment of Community Vulnerability and Coping Capacity to COVID-19 for Building Resilience in Quetta City	2018-21	▪ In Progress
10.	Abida (Co-Supervisor)	Assessing the role of social capital in earthquake resilience: A case of Quetta district Balochistan, Pakistan	2018-21	▪ In Progress
11.	Muhammad Imran Shafi	Radiological Risk Assessment in Handling and Transportation of Scrap Material Through International Trade in Pakistan	2024	▪ In Progress

M.Phil. Supervision (as Supervisor)

S. No	Student Name	Thesis Title	Session	Status
-------	--------------	--------------	---------	--------

1.	Yasmeen Nawaz	Role of women in Disaster Management in flood prone area of Balochistan, Pakistan	2016	▪ Graduated
2.	Muhammad Hashim Khan	Flood Impacts on Farmers' livelihood and their adaptive measures: A case study of Jaffar Abad Balochistan	2016	▪ Graduated
3.	Usman Taj Shami	Evaluation of Disaster Risk Management Structure of Pakistan with Emphasis on Man-Made Disasters	2016	▪ Graduated
4.	Abdul Khaliq	Ensuring Sustainable Agriculture Development under changing climate in District Mastung, Balochistan.	2017	▪ Graduated
5.	Abdul Rahim	Assessing earthquake vulnerability in district Ziarat, Balochistan.	2017	▪ Graduated
6.	Asad Ullah	Role of Media in Disaster Risk Management: A Case Study of Pakistani TV Channels	2017	▪ Graduated
7.	Saeed ur Rehman	Role of NGOs in Relief and Rehabilitation in Post-Earthquake of District Ziarat, Balochistan	2017	▪ Graduated
8.	Muhammad Javed Shahid	Estimates of Earthquake Damages and Loses in Pakistan: A Statistical Approach	2017	▪ Graduated
9.	Muhammad Umer	The Impact of Remittances on Local Economy: A Case Study of Zhob Baluchistan	2018	▪ Graduated
10.	Muhammad Hanif	Assessing Farmers' Flood Vulnerability and Institutional Role in Mitigating its Impacts in District Jamshoro, Sindh	2021	▪ Graduated
11.	Maria Niaz	Horticulture Farmers' Livelihood Vulnerability to Climate Change in District Mastung, Balochistan	2021	▪ Graduated
12.	Amjad Ali	Identification of Rural-Urban Linkages and their Factors in District Pishin Balochistan	2018	▪ In Progress
13.	Bashir Ahmed	Assessment and Determinants of Yield gap in Small scale Wheat Farms in Balochistan, Pakistan	2018	▪ In Progress
14.	Mehboob Ullah	Assessing Cause and Impacts of Floods in Lower Dir District and Mitigation Measures	2024	▪ In Progress
15.	Salman Essa	Enhancing Disaster Resilience Through Disaster Education: A Case Study of District Kech, Makran	2024	▪ In Progress

M.Phil. Supervision (as Co-Supervisor)

1.	Mehtab Nadir	Assessing earthquake risks and preparedness in district Mansehra, KPK	2016	▪ Graduated
----	--------------	---	------	--------------------

2.	Jamal Ud Din	Assessing vulnerabilities to natural natural disasters : A case study of Malgagai Refugee village Killasaifullah, Balochistan	2016	▪ Graduated
3.	Hamida Gul	Assessing the status and factors affecting building code implementation in Quetta city.	2016	▪ Graduated
4.	Jamil-ur-Rehman Babar	Climate Change Impacts on Farmer's agro-based livelihood and their mitigation measures in Balochistan	2016	▪ Graduated
5.	Asif Khan	Impact of Drought on Agriculture Sector in Loralai, Balochistan.	2017	▪ Graduated
6.	Muhammad Ashraf	Assessing Community Preparedness and Institutional Role in reducing vulnerability of flood prone area of Balochistan.	2018	▪ Graduated
7.	Asfandiyar Ayaz	Climate Change Impacts on Horticultural Crops Productivity and Farmers' Coping/Adaptive Strategies in District Pishin, Balochistan	2021	▪ Graduated
8.	Sanam Malik	Assessing the Impact of Climate Change on the Coastal Areas of Balochistan	2021	▪ Graduated
9.	Ali Arshad Minhas	Logistic and Rescue Operations: Role of Aviation in Disaster Management in Pakistan	2022	▪ Graduated
10.	Jahangir Khan	Impact of Coal Mining in Modification of Rural Livelihood: A Case study of District Duki	2021	▪ Graduated
11.	Zeeshan Akram	Damage Assessment of Gwader City Post Urban Floods 2024 using Remote Sensing Data and GIS Tools	2022	▪ Synopsis Approved
12.	Suleman Saeed	Assessing Vulnerability and Managing Flood Risk Using Geo-Spatial Techniques: A Case of District Sialkot, Pakistan	2022	▪ Synopsis Approved

ANALYTICAL SKILLS AND STRENGTHS

- MS Office, Excel and PowerPoint
- Project Design and Implementation
- Designing Data Collection Tools and Checklists
- Qualitative Analysis, Particularly Narrative, Statement and Thematic Analyses
- References Management Softwares: Mendeley and EndNote
- Command on Statistical Package for Social Sciences (SPSS)
- Analytical skills on statistical software STATA
- Command on use of efficiency analysis software like FRONTIER 4.1 and DEAP 2.0

LANGUAGES

- English
- Urdu
- Balochi
- Brahui

AWARDS, FELLOWSHIPS AND GRANTS

- Merit scholarship for MS leading to PhD by University of Balochistan 2008-2014

FOREIGN EXPOSURE

- Thailand

REFERENCES

- [Prof. Dr. Jayant kumar Routray](#), Emeritus Professor, Department of Development and Sustainability, Asian Institute of Technology (AIT), PO Box 4, Klong Luang, Pathumthani 12120, Thailand. Email: routray53@gmail.com. Phone: 66-2-5245609 (Office), Fax: 66-2-5246431, 66-865342600 (Cell), India Cell: 91-943711236.
- [Prof. DR. Muhammad Alam Tareen](#), Dean faculty of social sciences, Department of Sociology, University of Balochistan, Sariab Road Quetta, Pakistan. Cell: +92 300 3887658