



# Muhammad Ayaz

*Economist*

## Summary

Research Interests : Development, Agriculture and Resource Economics, particularly on issues related to agricultural productivity, food insecurity, poverty, and inequality.

Demonstrated capability of presenting research : various international conferences and seminars.

Doctorate in Economics from University of Pau France (2022).

Qualified for Maître de conférences du Muséum national d'histoire naturelle, France (2023).

Fluent in English, Urdu, Pushto.

## Experience

### Current Position

2017–2023 **Assistant Professor**, Department of Economics, University of Balochistan Quetta

2022–2023 **Visiting Faculty**, Department of Economics, Balochistan University of Information Technology and Management Sciences (BUIITEMS)

### Previous Positions

2011-2012 **Lecturer**, *Alhamed Islamic University, Quetta*

2016-2018 **Member of Graduate Studies Office**, *University of Balochistan Quetta*

2015–2017 **Visiting Faculty**, *SBK Women University, Quetta*

## Research projects

2023 **Economic expert**, *Feasibility stuies for promotion of tourism in Balochistan, with MICON ENGINEERING CONSULTANTS*

2009 **Data analyst**, *USAID Project on Empowerment of Pakistan*

## Teaching

### Master courses

— Basic Econometrics, Microeconomics, Development Economics.

### M.Phil/M2 courses

— Agriculture and Resource Economics, Development Economics, Advance Econometrics, Applied Econometrics, Advance Microeconomics.

## Education

*Department of Economics, University of Balochistan, Sariab Road, Quetta*

*87 300 Quetta*

☎ *+92 333 3750062*

✉ *muhammad.ayaz@um.uob.edu.pk & ayaznasar@gmail.com*

**in** *Muhammad Ayaz Khan* •

- 2018–2022 **Doctorate in Development Economics**, *Université de Pau et des Pays de l'Adour*, TRansitions Energétiques et Environnementales (UMR TREE)  
Thesis title : "Essays on Agricultural Land Distribution and Farm Productivity in Pakistan"
- Qualified for Maître de conférences du Muséum national d'histoire naturelle, France (2023).
- 2010–2014 **M.Phil in Applied Economics**, *Applied Economics Research Centre, University of Karachi*, Secured First Class, third Position.  
Took 14 courses including Econometrics, Mathematics for Economists, Research Methodology, Microeconomics, Macroeconomics. Thesis title : "Transmission of International Economic Shocks on Pakistan Economy : A Structural VAR Approach"
- 2007–2009 **Master in Economics**, *University of Baluchistan, Quetta.*, Secured First Class, second Position.  
"Took courses including Research Methodology, Microeconomics, Macroeconomics, Mathematical Economics, Statistics."
- 2004–2006 **Bachelor in Economics and Political Science**, *University of Baluchistan, Quetta*, Secured second Division.  
"Took courses including Economics, Mathematics, Statistics, Political Science."
- 2002–2004 **Higher Secondary School Certificate**, *HSSC*, Secured First Division.  
"Took courses including Chemistry, Biology, Physics"
- 2000–2002 **Secondary School Certificate**, *SSC*, Secured First Division  
"Took courses including Mathematics, Chemistry, Biology, Physics"

## Research Activities

### Publications

- "Farm-size and Productivity - The Role of Family Labor" with Mazhar Mughal, accepted in the journal of *Economic Development and Cultural Change (CNRS 1)*, 2022.  
<https://www.journals.uchicago.edu/doi/10.1086/721837>
- "Land Inequality and Landlessness in Pakistan : Measuring The Diverse Nature of Land disparities" with Mazhar Mughal, *Land Use Policy*, Vol 131, August 2023, 106720 (2023)(ABDC ranked-A). DOI : <https://doi.org/10.1016/j.landusepol.2023.106720>
- "The Role Of Family Workers' Reluctance To Work On Away Farms In Determining The Farm Size And Productivity Relationship" with Mazhar Mughal, *Development Economics Review*, Vol 31, pages 119-125 (2022/2-3). <https://doi.org/10.3917/edd.362.0119>

### Working Papers

- "Echo Of The Cannons ? Economic Impact of the Ukraine War on Pakistan -A macro-Micro Simulation Analysis" with Charlotte Fontan Sers, Hélène Maisonnave and Mazhar Mughal, hal-03718240, 2022.  
<https://hal.archives-ouvertes.fr/hal-03718240>
- "Land Inequality and Landlessness in Pakistan", HAL Open Science, HAL Id : hal-04004784, (2023). <https://hal.science/hal-04004784>

### Articles Under Review

- "Collateral damage ? Welfare Effects of The Ukraine War on Pakistan", submitted in *World Development Sustainability*.
- "Migrant Remittances and the Diffusion of Information and Communication Technology", submitted in *Technology Forecasting And Social Change (CNRS 2)*.

### Conference presentations

Department of Economics, University of Balochistan, Sariab Road, Quetta

87 300 Quetta

☎ +92 333 3750062

✉ [muhammad.ayaz@um.uob.edu.pk](mailto:muhammad.ayaz@um.uob.edu.pk) & [ayaznasar@gmail.com](mailto:ayaznasar@gmail.com)

in Muhammad Ayaz Khan •

- 36th Annual General Meeting and Conference, Pakistan Society of Development Economists (PSDE), 22-24 November 2022.
- 56th Annual Meeting of the Canadian Economic Association (CEA 2022), 2-4 June, 2022, Carleton University, Ottawa, Ontario Canada.
- 55th Annual Meeting of the Canadian Economic Association (CEA 2021), Simon Fraser University British Columbia Canada, June 3, 2021.
- Migration conference 2022 Rabat (Morocco), 7-10th September, 2022.
- International Conference on Development Economics (AFEDEV1), 30th June to 1st July 2022, Clermont-Ferrand (France).
- 70th Annual meeting and congress of the French Economic Association (AFSE), 14-16 June, 2022 Dijon France.
- 30th Annual General Meeting and Conference, Pakistan Society of Development Economists (PSDE), 2-4 December 2014.

### Seminars presentations

- "Agriculture and Developing World : Importance and Challenges" (November 24, 2021), **Westminster International University, Tashkent Uzbekistan.**
- "Farm Size and Productivity - The Role of Family labor" (July 1, 2021), **IRMAPE (Institute de Recherche en Management et en Pratiques d'Entreprises) Research seminar at Pau Business School, France.**
- "Farm Size and Productivity - The Role of Family labor" (April 15, 2021), **Development Economics Seminar at Westminster International University, Tashkent Uzbekistan.**

### Honors/Awards

- E2S, UPPA, France Award of the "International doctoral mobility" 2021.
- Awarded 4-year Scholarship for PhD studies by the Higher Education Commission of Pakistan.
- Secured Third position in M.Phil course work from Applied Economic Research Centre, University of Karachi, Pakistan.
- Secured 2nd position in Master in economics final examination.
- Awarded the Best Teacher Award by University of Balochistan, Quetta.

### Technical and Analytical Research Skills

#### Statistical Software

- STATA, E-views, R-studio,  $\text{\LaTeX}$ , Dynare, MS Excel, Python.

#### Skills in Spatial Econometrics And Remote Sensing Data

- Experience working on QGIS and google earth for treating vector and raster layers for research purposes such as mapping, network analysis, GIS coding, distance measurement, land elevation, land roughness, image classification etc.
- Experience working on satellite imagery such as SRTM, MODIS, Land-sat data, Sentinel-1 and sentinel-2 for research purposes related to land (surface, underground), water (canals, rivers, and sea), and atmosphere/air.
- Experience working on SNAP software for flood mapping, crop classification, land-use, land-cover, vegetation cover, water bodies, etc.

### Linguistic competence

English	Advance	C1
French	Intermediate level	B1

*Department of Economics, University of Balochistan, Sariab Road, Quetta*

*87 300 Quetta*

*+92 333 3750062*

*✉ muhammad.ayaz@um.uob.edu.pk & ayaznasar@gmail.com*

*in Muhammad Ayaz Khan •*

Urdu Advance  
Pushtu Advance  
Persian Intermediate

National  
Language  
Mother  
tongue  
B1

## References

### Dr. Mazhar Yasin Mughal

Professor of Economics, ESC Pau Business School Pau France and UMR TREE, Universite de Pau et pays de l'Adour (UPPA) France.

Email address :

Official : mazhar.mughal@esc-pau.fr

Personal : mymughal1@hotmail.com

Tel : +33(0)684192227

### Prof. María-José Gutiérrez

Professor in Economics and Directora ANEKO University of the Basque Country (UPV/EHU) Avda. Lehendakari Aguirre 83 (48015) Bilbao (Spain)

Email address : mariajose.gutierrez@ehu.eus

Tel : + 34 94 601 3786

*Department of Economics, University of Balochistan, Sariab Road, Quetta*

*87 300 Quetta*

*☎ +92 333 3750062*

*✉ muhammad.ayaz@um.uob.edu.pk & ayaznasar@gmail.com*

*in Muhammad Ayaz Khan •*