

CURRICULLUM VITAE

KHANDAKER JAFOR AHMED

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PROFESSIONAL SUMMARY

As a researcher specializing in population and environmental studies, my work focuses on the effects of climate change on population dynamics. I am a Postdoctoral Research Fellow at the School for Environment and Sustainability (SEAS), University of Michigan, where I am concentrating on climate change, health, and environmental sustainability in South Asian countries. Before this, I was at Georgetown University's School of Foreign Service, where I was involved in the 'Bangladesh Environment and Migration Survey [BEMS]' project. My PhD from the University of Adelaide investigated the link between extreme climate events and fertility decisions, and my research has provided useful insights for tackling climate change. With 28 publications on diverse topics and 484 citations on Google Scholar, my work has received academic recognition. I am proficient in statistical software and qualitative methods, and I am passionate about teaching and cross-disciplinary learning. My goal is to enhance my skills, contribute to innovative climate change solutions, and guide future scholars.

AREAS OF RESEARCH INTERESTS

- Climate Change/Extreme Weather Events
- Demography/Population Studies (migration, mortality, and fertility)
- Environmental Studies/Human Geography
- Disaster Risk Reduction/Science
- Climate Vulnerability Index
- Crop Production/Food Security

SOFTWARE SKILLS

- SPSS • STATA • ArcGIS • NVivo

CURRENT POSITION

Postdoctoral Research Fellow (February 2024-Current). School for Environment and Sustainability (SEAS), University of Michigan.

EDUCATION

Doctor of Philosophy (PhD) [2018-2022, degree conferred in October 2022]

University: The University of Adelaide, South Australia, 5005, Australia

Department: Geography, Environment and Population
Thesis title: *Fertility decisions of women in the context of extreme climate events: A study in two areas hit by cyclones and floods in Bangladesh*

Master of Social Science (MSS by dissertation) [2013-2014]

University: Shahjalal University of Science and Technology, Sylhet
Department: Sociology
Achievements: CGPA 3.75 out of 4.00 and *Second position in faculty*

Bachelor of Social Science (BSS by dissertation) [2009-2013]

University: Shahjalal University of Science and Technology, Sylhet
Department: Sociology
Achievements: CGPA 3.44 out of 4.00 and *Third position in faculty*

PREVIOUS RESEARCH EMPLOYMENT

Project Name: Bangladesh Environment and Migration Survey (BEMS)

Employer: The Institute for the Study of International Migration Walsh School of Foreign Service, Georgetown University, Washington DC, United States.
Position: Postdoctoral Research Fellow
Duration: 1 February 2023 – 31 January 2024

Project Name: Floating Houses: Community Based Flood Resilience Innovations in Bangladesh funded by KPMG East Africa Ltd.

Employer: Centre for Climate Change and Environmental Research (C3ER), **BRAC University**, Dhaka, Bangladesh.
Position: Research Associate
Duration: 01 August 2017 – 15 April 2018

Project Name: Are fertility preferences related to the perception of climate change and extreme weather events? A comparative study

Employer: Centre de Recherche en Démographie (DEMO), Université catholique de Louvain (UCL), Belgium
Position: Fieldwork Manager
Location: Bangladesh
Role: The role involves designing the research methodology and techniques for the study, developing research instruments, validating collected data, authoring reports, and maintaining communication with the project's fieldwork leader.
Duration: February 2018 – May 2018

Project Name: Social Safety Net Program in Bangladesh.

Employer: **Save the Children Bangladesh**.
Position: Enumerator
Duration: 27 September – 24 October 2016

Project Name: What affects decent working condition of micro-financed small enterprises of Bangladesh? Application of partial least square structural equation model (PLS-SEM)

Employer: **Centre for Research on Women and Gender (KANITA), Universiti Sains Malaysia, Malaysia.**

Position: Research and Publication Assistant

Duration: May 2015 – October 2015

Project Name: Bangladesh-Population and Housing Census 2011

Employer: Bangladesh Bureau of Statistics, Statistics and Information Division, Ministry of Planning.

Position: Enumerator

Duration: March 15-19; April 10-14; October 15-25 (2011)

TEACHING EXPERIENCE [VOLUNTARY]

Guest Lecture (2023). Graduate students in Walsh School of Foreign Service. Course: Environmental Displacement and Migration (ISIM-5571) Location: ICC 219a, Institute for the Study of International Migration (ISIM), Walsh School of Foreign Service, Georgetown University, Washington DC.

Guest Lecture (2023). Master students in Sociology. Course: Social Measurement and Statistical Analysis (SOC-526). Location: Online (Department of Sociology, Shahjalal University of Science and Technology, Sylhet, Bangladesh).

Guest Lecture (2022). Master students in Sociology. Course: Social Measurement and Statistical Analysis (SOC-526). Location: Department of Sociology, Shahjalal University of Science and Technology, Sylhet, Bangladesh.

Course and Syllabus Designer (2022). Courses Population and Environment (SOC-515) and Social Measurement and Statistical Analysis (SOC-526) for master's students. Location: Department of Sociology, Shahjalal University of Science and Technology, Sylhet, Bangladesh.

Guest Lecture (2020). Master students in Sociology. Course: Population and Environment (SOC-515) Location: Department of Sociology, Shahjalal University of Science and Technology, Sylhet, Bangladesh.

PUBLICATIONS [Google Scholar Total Citations: 484, as of 28 May, 2024]

Published Refereed Journal Articles

1. Haq, S.M.A, Ahmed, M.N.Q., Lalin, S.A.A., Arno, A.T., **Ahmed, K.J.** (2024). Early marriage of girls in the context of the COVID-19 pandemic: a literature review. *Humanities and Social Sciences Communication*, 11, 697 (2024). <https://doi.org/10.1057/s41599-024-03085-3>
2. **Ahmed, K. J.**, & Haq, S. M. A. (2024). The relationship between perceived risk of infant/child mortality and fertility preference in Bangladesh: a comparative study. *Humanities and Social Sciences Communication*, 11(147). <https://doi.org/10.1057/s41599-024-02640-2>

3. **Ahmed, K.J.**, Tan, Y., & Rudd, D (2023) Exploring the relationship between changes in fertility and disasters: a review of the literature. *Journal of Population Research*, 41(1). <https://doi.org/10.1007/s12546-023-09324-9>
4. **Ahmed, K. J.**, Atiqul Haq, S. M., and Hyder, B. (2023). The decision to migrate and coping strategies in the context of an extreme weather event in Bangladesh: a comparative study on migrant and non-migrant households. *Frontiers in Environmental Sciences*, 11. <https://doi.org/10.3389/fenvs.2023.1160394>
5. Atiqul Haq, S. M., Chowdhury, M.A.F., **Ahmed, K. J.**, & Chowdhury, M.T.A. (2023). Environmental quality and its impact on total fertility rate: an econometric analysis from a new perspective. *BMC Public Health* 23, 2397. <https://doi.org/10.1186/s12889-023-17305-z>
6. Saha, B., Atiqul Haq, S. M., & **Ahmed, K.J.** (2023). How does the COVID-19 pandemic influence students' academic activities? An explorative study in a public university in Bangladesh. *Humanities and Social Sciences Communication*, 10, 602. <https://doi.org/10.1057/s41599-023-02094-y>
7. Tasneem, N., Atiqul Haq, S. M., Ahmed, M. N. Q., & **Ahmed, K.J.** (2023). Fertility decisions in the wake of COVID-19: A comprehensive review of influencing determinants and trends. *SN Social Science*, 3, 135. <https://doi.org/10.1007/s43545-023-00729-0>
8. Saha, B., Haq, S.M.A. & **Ahmed, K.J.** (2023). The links between environmental issues and childbearing behaviour: a review of literature. *SN Social Science*, 3, 21. <https://doi.org/10.1007/s43545-023-00615-9>
9. Islam, M.N., Haq, S.M.A, **Ahmed, K.J.**, & Best, J. (2022). How do vulnerable people in Bangladesh experience environmental stress from sedimentation in the haor wetlands? An exploratory study. *Water Resources Research*, 58(7), e2021WR030241.
10. Kuddus, M.A., Sunny, A.R., Sazzad, S.A., Hossain, M., Rahman, M., Mithun, M.H., Hasan, S.E., **Ahmed, K.J.**, Zandonadi, R.P., Han, H., Ariza-Montes, A., Vega-Muñoz, A., Raposo, A. (2022). Sense and manner of WASH and their coalition with disease and nutritional status of under-five children in rural Bangladesh: a cross-sectional study. *Frontiers in Public Health*. DOI: <https://doi.org/10.3389/fpubh.2022.890293>
11. Ahmed, M.N.Q., **Ahmed, K.J.**, Chowdhury, M.T.A., & Haq, S.M.A. (2021). Teachers' perceptions of climate change in Bangladesh: a comparative study of public and private schools and colleges. *Frontiers in Climate*. 4:784875. DOI:10.3389/fclim.2022.784875
12. Chen, M., Haq, S.M.A., **Ahmed, K.J.**, Hussian, A.H.M.B., & Ahmed, M.N.Q. (2021). The link between climate change, food security and fertility: the case of Bangladesh. *PLOS ONE* 16(10): e0258196. DOI: <https://doi.org/10.1371/journal.pone.0258196>
13. Chowdhury, M.T.A., **Ahmed, K.J.**, Ahmed, M.N.Q., & Haq, S.M.A. (2021). How do teachers' perceptions of climate change vary in terms of importance, causes, impact and mitigation? A comparative study in Bangladesh. *SN Social Sciences*, 1(7), 174. DOI: <https://doi.org/10.1007/s43545-021-00194-7>
14. Sunny, A.R., Mithun, M.H., Prodhan, S.H., Ashrafuzzaman, M., Rahman, S.M.A., Billah, M.M., Hussain, M., **Ahmed, K.J.**, Sazzad, S.A., Alam, M.T., Rashid, A., Hossain, M.M. (2021). Fisheries in the context of attaining Sustainable Development Goals (SDGs) in Bangladesh: COVID-19 impacts and future prospects. *Sustainability* 13, 9912. DOI: <https://doi.org/10.3390/su13179912>
15. Haq, S.M.A., Islam M.N., Siddhanta, A., **Ahmed, K.J.**, and Chowdhury, M.T.A. (2021). Public perceptions of urban green spaces: Convergences and divergences. *Front. Sustain. Cities* 3:755313. DOI: <https://doi.org/10.3389/frsc.2021.755313>

16. Haq, S.M.A., **Ahmed, K.J.** (2020). Perceptions about climate change among university students in Bangladesh. *Natural Hazards*. DOI: <https://doi.org/10.1007/s11069-020-04151-0>
17. **Ahmed, K.J.**, Haq, S.M.A., Bartiaux F. (2019). The nexus between extreme weather events, sexual violence, and early marriage: a study of vulnerable populations in Bangladesh. *Population and Environment*, volume 40, issue 3, pp. 303–324. DOI: <https://doi.org/10.1007/s11111-019-0312-3>
18. Haq, S.M.A. & **Ahmed, K.J.** (2019). Is fertility preference related to perception of the risk of child mortality, changes in landholding, and type of family? A comparative study on populations vulnerable and not vulnerable to extreme weather events in Bangladesh. *Population Review*, volume 58, issue 2. DOI: <https://doi.org/10.1353/prv.2019.0007>
19. Hussian, A.H.M.B., Das, S., Chowdhury, M.T.A., Haque, N., Sultana, S., & **Ahmed, K.J.** (2019). Does financial inclusion increase financial resilience? Evidence from Bangladesh. *Development in Practice*, volume 29, issue 6. DOI: <https://doi.org/10.1080/09614524.2019.1607256>
20. Haq, S.M.A., & **Ahmed, K.J.** (2018). Changes in age at marriage, birth order and fertility preference in vulnerable areas (Bangladesh). *Romanian Journal of Population Studies*, XII, 1, 71-102. DOI: <https://doi.org/10.24193/RJPS.2018.1.05>
21. Haq, S.M.A. & **Ahmed, K.J.** (2017). Does the perception of climate change vary with socio-demographic dimensions? A study on people living in a vulnerable area of Bangladesh. *Natural Hazards*, 85, 3, pp. 1759-1785. DOI: <https://doi.org/10.1007/s11069-016-2664-7>

Published Book Chapters

1. **Ahmed, K.J.**, Tan, Y., & Rudd, D. (2023). Changing fertility, child mortality and contraceptive prevalence rates in Bangladesh: effects of disaster risk reduction and family planning programs. In Vidal, D.G., Dinis, M.A.P., and Filho, W.L. (eds.), *Climate change and health hazards: addressing hazards to human and environmental health from a changing climate*. Climate Change Management Series by Springer.
2. **Ahmed, K.J.**, Tasneem, N., Saha, B., & Haq, S.M.A. (2023). What will be the most critical driver of population dynamics: climate change, the COVID-19 pandemic, or both? In Vidal, D.G., Dinis, M.A.P., and Filho, W.L. (eds.), *Climate change and health hazards: addressing hazards to human and environmental health from a changing climate*. Climate Change Management Series by Springer.
3. **Ahmed, K.J.**, & Tan, Y. (2022). *The disaster-fertility nexus in the context of Sub-Saharan African countries*. In Odimegwu, C., and Adewoyin, Y. (Ed.), *Handbook of African Demography*. Routledge, United Kingdom. <https://www.taylorfrancis.com/chapters/edit/10.4324/9780429287213-25/disaster-fertility-nexus-sub-saharan-african-countries-khandaker-jafor-ahmed-yan-tan>
4. **Ahmed, K.J.**, & Tan, Y. (2021). *Assessing and mapping spatial variations in climate change and climatic hazards in Bangladesh*. In Alam, G.M.M., Erdiaw-Kwasie, M.O., Nagy, G.J., Filho, W.L. (Eds), *Vulnerability and resilience in the Global South: Human adaptations for sustainable futures*. Springer, Netherlands. DOI: https://doi.org/10.1007/978-3-030-77259-8_24
5. **Ahmed, K.J.**, Chowdhury, M.T.A., Ahmed, M.N.Q., & Haq, S.M.A. (2021). *Understanding Climate change perception of teachers and students: An overview*. In Alam, G.M.M., Erdiaw-Kwasie, M.O., Nagy, G.J., Filho, W.L. (Eds), *Vulnerability and resilience in the Global South: Human adaptations for sustainable futures*. Springer, Netherlands. DOI: https://doi.org/10.1007/978-3-030-77259-8_20

6. Haq, S.M.A., **Ahmed, K.J.**, Islam, M.N., Hussain, A.H.M.B., & Islam, M. (2021). *Climate change, debate and dimensions of coping strategies*. In Filho, W. L., Luetz, J. M., and Ayal, D. Y. (Eds), Handbook of Climate Change Management. Springer, Netherlands. DOI: https://doi.org/10.1007/978-3-030-22759-3_16-1
7. Hussain, A.H.M.B., Islam, M., **Ahmed, K.J.**, Haq, S.M.A., & Islam, M.N. (2021). *Financial inclusion, financial resilience and climate change resilience*. In Filho, W.L., Luetz, J.M., & Ayal, D.Y. (Eds), Handbook of Climate Change Management. Springer, Netherlands. DOI: https://doi.org/10.1007/978-3-030-22759-3_19-1
8. Ahmed, M.N.Q., Chowdhury, M.T.A., **Ahmed, K.J.**, Haq, S.M.A. (2022). Indigenous peoples' views on climate change and their experiences, coping and adaptation strategies in South Asia: A Review. In: Mbah, M.F., Leal Filho, W., Ajaps, S. (eds) Indigenous Methodologies, Research and Practices for Sustainable Development. World Sustainability Series. Springer, Cham. https://doi.org/10.1007/978-3-031-12326-9_17

Under Reviewed to Refereed Journals

1. **Ahmed, K.J.**, Tan, Y., & Rudd, D (*Under review*) Unravelling the relationship between households' vulnerabilities, climatic extremes, and fertility intentions of women: A study in two areas hit by cyclones and floods in Bangladesh. *Asia Pacific Viewpoint*. Submission: May 13, 2024.
2. **Ahmed, K.J.** (Major revision, Under review) Climate extremes and spatial variations in the total fertility rate in Bangladesh. (Spatial Demography)
3. **Ahmed, K. J.**, Atiqul Haq, S. M. & Siddhanta, A. Extreme weather events, family structure and fertility preference: A study in Bangladesh. (Revise and resubmit, The Journal of Population and Sustainability)
4. **Ahmed, K. J.**, Oyshi, J. T., Islam, M., Rashid, M. B., Haq, S. M. A., & Tasneem, N. (Minor revision, Under review) Comparing households' perception of climate change with meteorological trends and understanding measures to combat the adverse effects of climate change in coastal areas of Bangladesh. (SN Social Science)
5. Islam, M.N., Atiqul Haq, S. M., **Ahmed, K. J.** & Best. J. (Major revision, Under review) How do vulnerable people implement everyday adaptations to the impact of wetland sedimentation in Bangladesh? A local perspective. (Weather, Climate and Society)
6. Haq, S.M.A., Chowdhury, M.A.B., **Ahmed, K.J.**, & Uddin, M.J. (Minor revision, Under review) Effects of extreme climate events and child mortality on total fertility rate in Bangladesh (Heliyon)
7. Atiqul Haq, S. M., Chowdhury, M.T.A., **Ahmed, K. J.**, & Ahmed, M. N. Q. At what level are teachers concerned about the impacts of climate change on food security and livelihoods? a comparative study (Preparing revision, Cogent Food & Agriculture)
8. Atiqul Haq, S. M., Siddhanta, A., Islam, M. N., **Ahmed, K. J.**, Chowdhury, M.T.A. The nexus between urban green spaces, climate change mitigation and adaptation: gaps, dimensions and diversities. (Under review, Journal of Urban Ecology)
9. Arno, A. T., Atiqul Haq, S. M., Ahmed, M.N.Q., & **Ahmed, K.J.** The impact of COVID-19 pandemic on family relationship: Dimensions and diversities (Under review, Family Relations, Wiley)
10. Atiqul Haq, S. M., Dihan, R.T.S., Bijoya., Saha., Tasneem, N., Chowdhury, M.T.A., & **Ahmed, K.J.** How does family structure influence crime in Bangladesh? A review of literature (Under review, Sociology Compass)

Manuscripts in Preparation for Targeted Refereed Journals

1. **Ahmed, K.J.**, Tan, Y., & Rudd, D. Is a Cyclone-Prone Area More Vulnerable than those in a Flood-Prone Area? Towards a Climate Vulnerability Index for Rural Households in Bangladesh. (In preparation, for *Global Environmental Change*)
2. **Ahmed, K.J.**, Tan, Y., & Rudd, D. Are the perceptions about climate change variability of the women surveyed consistent with meteorological records and the perceptions of their male counterparts? (In preparation, for *Science of the Total Environment*)
3. **Ahmed, K.J.** Exploring the dynamics of fertility, mortality, and migration in the context of climate or environmental stressors in Bangladesh. (In preparation, for *Population & Environment*)

Ahmed, K.J., & Haq, S.M.A. How does land ownership influence vulnerable populations' perception of children's education rather than their preference for having children? A study of flood- and cyclone-prone areas in Bangladesh. Target journal: *Land Use Policy*.

Ahmed, K.J., & Haq, S.M.A. The relationship between extreme weather events, land ownership and fertility preference: A comparative study in Bangladesh. Target journal: *Global Environmental Change*.

Ahmed, K.J., Ahmed, M.N.Q., Chowdhury, M.T.A. & Atiqul Haq, S. M. Perception of climate change among teachers in schools, colleges and universities in Bangladesh: are socio-demographic and disciplinary backgrounds relevant? (In preparation, for *Natural Hazards*)

Haq, S.M.A., **Ahmed, K.J.**, Chowdhury, M.T.A., & Ahmed, M.N.Q. At what level are teachers concerned about climate change effects on food security and livelihoods? A comparative study. Target journals: *Global Food Security/Journal of Agriculture and Food Research*.

Atiqul Haq, S. M., Ratna, F. Z., Ahmed, M.N.Q., & **Ahmed, K.J.** Perception of energy use among university students: A qualitative study (In preparation, for *Energy Research and Social Science*)

Atiqul Haq, S. M., Dihan, R.T.S., Bijoya., Saha., Tasneem, N., **Ahmed, K.J.** & Chowdhury, M.T.A. Impacts of climate change on dowry, domestic violence, and divorce: An overview (In preparation, for *Journal of Family and Marriage*)

Scholarly Book Writing in Progress

- Haq, S.M.A., & **Ahmed, K.J.** *Population and Environment: Perspectives and Evidence*. Taylor and Francis.

Conference & Workshop Presentation

Ahmed, K.J. (2024). *Climate impacts and societal concern: Exploring migration and fertility in the context of Open Science*. Presented at NASA SEDAC OPEN SCIENCE Workshop (January 9, 2024), Columbia University, New York. <https://zenodo.org/records/10523525>; https://youtu.be/apinEk9PM_4?feature=shared

Ahmed, K. J., Haq, S. M. A, and Hyder, B. (2023). *Migration decisions as an adaptation in the context of an extreme weather event in Bangladesh: a comparative study on migrant and non-migrant households*. Presented at ICARUS VI workshop (Sep 29-Oct 1, 2023),

organized by the School for Environment And Sustainability (SEAS) at the University of Michigan.

- Islam, M.N., Haq, S.M.A, **Ahmed, K.J.**, & Best, J. (2023). The Haor Wetlands, Meghna River Basin, NE Bangladesh: anthropogenic stresses, sedimentation & human adaptation. Presented at the International Conference on Fluvial Sedimentology, 2 - 7 July 2023, at Riva del Garda, Italy.
- Ahmed, K.J.**, Tan, Y., & Rudd, D. (2022). *Climate extremes and women's fertility intentions: A comparative study in two areas hit by cyclones and floods in Bangladesh*. Accepted for an oral presentation for the session 'Fertility Intentions and Plans in Context' to be presented at the Population Association of America Conference, 6–9 April 2022.
- Ahmed, K.J.**, Tan, Y., & Rudd, D. (2021). *Do the experiences and perceptions of climatic disasters influence the fertility outcomes and intentions of women of reproductive ages in Bangladesh?* Presented at the Asian Population Association Conference, 3–5 August 2021.
- Ahmed, K.J.**, Tan, Y., & Rudd, D. (2021). *How do the households' vulnerability to climate-induced disasters influence women's fertility outcomes and fertility intentions in Bangladesh?* Presented at the International Population Conference of IUSSP, 5–10 December 2021.
- Haq, S.M.A., Chowdhury, M.A.B., **Ahmed, K.J.**, & Uddin, M.J. (2021). What matters for fertility in Bangladesh: natural disasters or mortality differentials, or both? Presented at the International Population Conference of IUSSP, 5–10 December 2021.
- Ahmed, K.J.**, & Haq, S.M.A. (2018). *How does the perceived risk of child mortality influence fertility preference? A comparative study in Bangladesh*. Conference of the Population Association of America in Denver, Colorado from 26-28 April 2018.
- Ahmed, K.J.**, & Haq, S.M.A. (2017). *Nexus between extreme weather events, marriage and violence: a study on vulnerable areas of Bangladesh*. The 28th International Population Conference of the International Union for the Scientific Study of Population (IUSSP) in Cape Town, South Africa, from 29 October-3 November 2017.
- Ahmed, K.J.**, & Haq, S.M.A. (2017). *Is fertility preference related to the perception of risk of infant dying, landholding and family type? A comparative study on vulnerable populations to extreme weather events in Bangladesh*. The 28th International Population Conference of the International Union for the Scientific Study of Population (IUSSP) in Cape Town, South Africa, from 29 October-3 November 2017.
- Ahmed, K.J.**, & Haq, S.M.A. (2016). *Is poverty and sexual harassment during extreme weather events a matter for early marriage in vulnerable areas (Bangladesh)?* International Conference on Population, Health, Environment and Sustainable Development: Issues and Challenges (PHESD2016) at Rajshahi University, Bangladesh, from 17-18 December 2016.
- Haq, S.M.A., & **Ahmed, K.J.** (2016). *Variations of socio-demographic dimensions and the perception of climate change in vulnerable areas (Bangladesh)*. International Conference on Population, Health, Environment and Sustainable Development: Issues and Challenges (PHESD2016) at Rajshahi University, Bangladesh, from 17-18 December 2016.
- Ahmed, K.J.**, & Haq, S.M.A. (2016). *Early marriage to cope with poverty: a study on vulnerable areas in Bangladesh*. First Bangladesh Planning Research Conference in Jahangirnagar University, Bangladesh, from 5-6 February 2016.

AWARDS

Beacon of Enlightenment Doctor of Philosophy (PhD) Scholarship (2018-2022). To commence the PhD Program at the University of Adelaide, South Australia.

Travel Award. To present research papers at the 28th International Population Conference of the International Union for the Scientific Study of Population (IUSSP) in Cape Town, South Africa, from 29 October to 4 November 2017.

PhD fieldwork Funding 2019, AUD 2625. Department of Geography, Environment and Population, The University of Adelaide.

Charles and Frank Fenner Grant 2019, AUD 670 for PhD fieldwork supports. Department of Geography, Environment and Population, The University of Adelaide.

Charles and Frank Fenner Grant 2021, AUD 600 for conference presentation. Department of Geography, Environment and Population, The University of Adelaide.

Conference Travel Award 2021, AUD 428. Department of Geography, Environment and Population, The University of Adelaide.

Conference Travel Award 2021, AUD 843. Department of Geography, Environment and Population, The University of Adelaide.

Conference Travel Award 2022, AUD 1646. Department of Geography, Environment and Population, The University of Adelaide.

Workshop Travel Award 2023, 1000 USD. ICARUS VI workshop (Sep 29-Oct 1, 2023), organized by the School for Environment And Sustainability (SEAS) at the University of Michigan.

Provost Post-Doctoral ICPSR Summer Program Fellowship 2024. ICPSR Summer Program in Quantitative Methods at the University of Michigan.

Certifications

Python Data Analysis. LinkedIn, By Michele Vallisneri. Completed: September 5, 2023	Learning Infographic Design. LinkedIn, By Amy Balliett. Completed: September 12, 2023	Tableau 10: Mastering Calculations. LinkedIn, By Curt Frye. Completed: September 12, 2023	Certified Analytics Professional (CAP) Cert Prep. LinkedIn, By Jungwoo Ryoo. Completed: September 12, 2023
Tableau and R for Analytics Projects. LinkedIn, By Curt Frye. Completed: September 12, 2023	Data Visualization Tips and Tricks. LinkedIn, By Matt Francis. Completed: September 11, 2023	Presenting Data Effectively to Inform and Inspire. LinkedIn, By Bill Shander. Completed: September 12, 2023	Learning Data Visualization. LinkedIn, By Bill Shander. Completed: September 11, 2023
Data Visualization for Data Analysis and Analytics. LinkedIn, By Bill Shander. Completed: September 11, 2023	Tableau Beyond the Basics: Growing Your Analytics and Business Intelligence Toolkit. LinkedIn, By George Lynch. Completed: September 11, 2023	Data Visualization: Best Practices. LinkedIn, By Amy Balliett. Completed: September 11, 2023	Excel Data Visualization: Mastering 20+ Charts and Graphs. LinkedIn, By Chris Dutton. Completed: September 11, 2023
PowerPoint Data Visualization: High-Impact Charts and Graphs. LinkedIn, By Echo Swinford. Completed: September 11, 2023	Getting Started with AI and Machine Learning. LinkedIn Learning Path Completed: September 11, 2023	Building Computer Vision Applications with Python. LinkedIn, By Eduardo Corpeño. Completed: September 11, 2023	Everybody's Introduction to Tableau. LinkedIn, By Tim Ngwena. Completed: September 11, 2023
Deep Learning Foundations: Natural Language Processing with TensorFlow. LinkedIn, By Harshit Tyagi. Completed: September 11, 2023	Data Analytics: Dashboards vs. Data Stories. LinkedIn, By Madecraft and Sara Anstey. Completed: September 11, 2023	How to Use Data Visualization to Make Better Decisions—Faster. LinkedIn, By Steve Wexler. Completed: September 11, 2023	Data Visualizations with Plotly LinkedIn, By Brett Vanderblock and Madecraft. Completed: September 11, 2023

SAS Programming for R Users, Part 1. LinkedIn, By Jordan Bakerman. Completed: September 11, 2023	Hands-On PyTorch Machine Learning. LinkedIn, By Helen Sun. Completed: September 11, 2023	Reinforcement Learning Foundations. LinkedIn, By Khaulat Abdulkhakeem. Completed: September 11, 2023	Deep Learning: Getting Started. LinkedIn, By Kumaran Ponnambalam.. Completed: September 11, 2023
Machine Learning Foundations: Linear Algebra. LinkedIn, By Terezija Semenski. Completed: September 10, 2023	Artificial Intelligence Foundations: Thinking Machines. LinkedIn, By Doug Rose. Completed: September 10, 2023	Tableau 10 Essential Training. LinkedIn, By Curt Frye. Completed: September 10, 2023	The Non-Technical Skills of Effective Data Scientists. LinkedIn, By Keith McCormick. Completed: September 4, 2023
Machine Learning with Python: Foundations LinkedIn, By Frederick Nwanganga. Completed: September 4, 2023	Tableau Essential Training. LinkedIn, By Curt Frye. Completed: September 5, 2023	MATLAB 2018 Essential Training. LinkedIn, By Curt Frye. Completed: September 4, 2023	Tableau for Data Scientists. LinkedIn, By Matt Francis. Completed: September 4, 2023
Cleaning, Transforming and Prepping Your Data With Tableau Prep LinkedIn, By Matt Francis. Completed: September 2, 2023	R Essential Training Part 2: Modeling Data. LinkedIn, By Barton Poulson. Completed: September 2, 2023	R for Data Science: Analysis and Visualization. LinkedIn, By Barton Poulson. Completed: September 1, 2023	SAS® 9.4 Cert Prep: Part 02 Accessing Data. LinkedIn, By SAS Institute. Completed: September 1, 2023
SAS® 9.4 Cert Prep: Part 01 SAS Programming Essentials. LinkedIn, By SAS Institute. Completed: September 1, 2023			

EXTRACURRICULAR ACTIVITIES

Associated Editor: Frontiers in Human Dynamics.

Guest Editor: PLOS ONE

Recognised Reviewer of Journals: Population and Environment; Environment, Development and Sustainability; Climatic Change; Springer Nature Applied Sciences; PLOS Climate; The International Journal of Climate Change: Impacts and Responses; The International Journal of Interdisciplinary Social and Community Studies; The Social Science Journal; and International Journal of Women's Health.

Certified Publons Academy Peer Reviewer

Co-Chair, Georgetown University Postdoctoral Association (GUPDA), 2023-2024

Postgraduate sub-committee representative: Faculty of Arts, The University of Adelaide, March 2019-March 2020.

NewsHour Media Publications as a Freelance Author:

Climatic paradox of Bangladesh: climate change versus adaptation. Publication date: 23 March 2019. URL: <https://newshour.media/2019/03/23/climatic-paradox-of-bangladesh-climate-change-versus-adaptation/>

Women and child-friendly disaster risk reduction in Bangladesh. Publication date: 4 April 2019. URL: <https://newshour.media/2019/04/04/women-and-child-friendly-disaster-risk-reduction-in-bangladesh/>

Bangladesh is an adaptation capital of the world. Publication date: 5 October 2019. URL: <https://newshour.media/2019/10/05/bangladesh-is-an-adaptation-capital-of-the-world/>

Uneven geographical distribution in fertility, child mortality, and contraceptive use in Bangladesh: the role of integrating disaster risk reduction and family planning programs. 20 June 2023. URL: <https://newshour.media/2023/06/20/uneven-geographical-distribution-in-fertility-child-mortality-and-contraceptive-use-in-bangladesh-the-role-of-integrating-disaster-risk-reduction-and-family-planning-programs/>

Inhabitants of Gabura union plead for resilience, not relief, against devastating cyclones. 9 October 2023. URL: <https://newshour.media/2023/10/09/inhabitants-of-gabura-union-plead-for-resilience-not-relief-against-devastating-cyclones/>

MEMBER OF SCIENTIFIC COMMITTEE

Population-Environment Research Network (PERN): December 2023-December 2027

PROFESSIONAL MEMBERSHIP

- The New York Academy of Sciences (NYAS)
- National Center for Faculty Development and Diversity (NCFDD)
- National Postdoctoral Association (NPA)
- International Union for the Scientific Study of Population (IUSSP)
- International Society of Biometeorology
- Regional Studies Association (RSA)
- Population Association of America (PAA)
- Asian Population Association (APA)