

Curriculum Vitae

I. Personal Information:

Name : **Mohammad Abdul Quader**

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Office Address : Department of Geography and Environment, Jagannath
University, Dhaka 1100, Bangladesh

Nationality : Bangladeshi

Marital Status : Married (Spouse and Son)

II. Present Position:

Associate Professor and Chairman

Department of Geography and Environment, Faculty of Life and Earth Sciences
Jagannath University, Dhaka 1100, Bangladesh

III. Education:

2017- PhD (ongoing), Physical geography research group, Department of Geography,
Vrije Universiteit Brussel, Belgium.

2013- M.Sc. (2 years with thesis), Physical Land Resource Engineering, Faculty of
Science, Ghent University and Vrije Universiteit Brussel, Belgium, Result- Great
Distinction

2004- M.Sc. (1 year with thesis), Department of Geography and Environment,
University of Dhaka, Dhaka, Bangladesh, Result- 1st Class

2003- B.Sc. (4 years Honours), Department of Geography and Environment, University
of Dhaka, Dhaka, Bangladesh, Result- 1st class

1998- H.S.C, Science group, Zia Sar Karkhana College, Comilla Board, Result- 1st
division

1996- S.S.C, Science group, Sarail Annada Govt. High School, Comilla Board, Result-1st Division

IV. Fellowship and Scholarship:

2014- Awarded UNEP, United Nations Environment Programme fellowship to attend CHANGES-2014 conference to give an oral presentation, 18-19 November, 2014, Padova, Italy

2013- Awarded VLIR-UOS ICP scholarship for four years PhD programme in VUB in Belgium from September 2013-September 2017.

2012- Awarded Master Credit Allowances under VLIR-UOS for scientific internship in IIRS, Dehradun, India from June 2012 to September 2012

2011- Awarded VLIR-UOS scholarship for Two years Master programme in Physical Land Resource Engineering in Belgium from September 2011-September 2013.

V. Personal Interest:

- Research** : Natural Hazard and Risk Assessment, Climate Change, Remote Sensing, GIS etc.
- Teaching** : Geomorphic Process and Land Forms, Geography of Bangladesh, Advance Climatology, Principles of Remote Sensing, GIS, Advance Image Processing, Statistics in Geography, Natural Hazard Management, *etc.*

VI. Publications:

Peer-Reviewed Articles:

- 1) Malak, M.A, Hossain, N.J., Quader, M.A., Akter, T. and Islam, M.N., 2021. Climate Change-Induced Natural Hazard: Population Displacement, Settlement Relocation and Livelihood Change Due to Riverbank Erosion in Bangladesh. In Islam, M.N. and Amstel, A.V. (Eds.). Bangladesh II: Climate Change Impacts, Mitigation and Adaptation in Developing Countries. Springer Climate Book Series, pp: 193-210. <https://doi.org/10.1007/978-3-030-71950-0>, ISSN 2352-0698; 2352-0701 (electronic)
- 2) Quader, M.A., Khan, A.M.M. and Kervyn, M., 2021. Spatial variation in household-level risk to natural hazards across the coast of Bangladesh, Geomatics, Natural Hazards and Risk, Vol.12, Issue: 1, 1532-1559. (DOI: 10.1080/19475705.2021.1927205)
- 3) Quader, M.A., Dey, H., Malak, M.A. and Sajib, A.M. 2021. “Rohingya refugee flooding and changes of the physical and social landscape in Ukhiya, Bangladesh”, Environment, Development and Sustainability, Vol., 23, No., 3, 4634-4658. (DOI: <https://doi.org/10.1007/s10668-020-00792-0>)
- 4) Malak, M.A., Sajib, A.M., Quader, M.A., and Anjum, H. 2020. “We are feeling older than our age”: Vulnerability and adaptive strategies of aging people to

- cyclones in coastal Bangladesh, *International Journal of Disaster Risk Reduction*, Vol.48, Issue September, 1-12. (DOI: <https://doi.org/10.1016/j.ijdr.2020.101595>)
- 5) Quader, M.A., 2019. Impact of rohingya settlement on the landcovers at Ukhiya Upazila in Cox's Bazar, Bangladesh, *Jagannath University Journal of Life and Earth Sciences*, Vol.5, Issue 1, 13-28.
 - 6) Alam, M.R., Malak, M.A., Quader, M.A. and Hossain, N.J., 2019. Challenges of freshwater supply systems in southwest coastal area of Bangladesh, *Jagannath University Journal of Life and Earth Sciences*, Vol.5, Issue 2, 131-145.
 - 7) Alam, M.R., Malak, M.A. and Quader, M.A., 2018. Livelihood vulnerability of char land people in Brahmaputra-Jamuna river system, *Jagannath University Journal of Life and Earth Sciences*, Vol.4, Issue 1, 54-64.
 - 8) Uddin, M.G., Moniruzzaman, M., Quader, M.A., and Hasan, M.A., 2018. Spatial variability in the distribution of trace metals in groundwater around the Rooppur nuclear power plant in Ishwardi, Bangladesh, *Groundwater for Sustainable Development*, Vol.7, 220-231. (DOI:10.1016/j.gsd.2018.06.002)
 - 9) Quader, M.A., Khan, A.M.M. and Kervyn, M., 2017. Assessing Risks from Cyclones for Human Lives and Livelihoods in the Coastal Region of Bangladesh, *International Journal of Environmental Research and Public Health*, Vol.14, Issue: 8, 831. (DOI:10.3390/ijerph14080831)
 - 10) Quader, M.A., Agrawal, S., and Kervyn, M., 2017. Multi-decadal land cover evolution in the Sundarban, the largest mangrove forest in the world, *Ocean and Coastal Management*, Vol.13, Issue C, 113-124. (DOI: 10.1016/j.ocecoaman.2017.02.008)
 - 11) Moniruzzaman, M. and Quader, M. A., 2014. Water Supply Situation Analysis of A Cyclone Affected Coastal Area in Bangladesh, *Journal of Science*, Vol. 2, No. 2, Jagannath University, Dhaka, Bangladesh.
 - 12) Quader, M. A. and Mahub, AQM, 2012. Location Analysis of Cyclone Shelters along the Coastal Belt of Bangladesh, *Journal of Science*, Vol. 1, No. 1, Jagannath University, Dhaka, Bangladesh. (<http://jsci.jnu.ac.bd/files/journal/2014/03/10.pdf>)
 - 13) Ahmed, A. and Quader, M.A., 2011. Environmental Aspects of Solid Waste Management: A case study of Narayanganj City, *ASA University Review*, Issue-June, Vol.5, No. 1, Dhaka, Bangladesh. (<http://fpd-bd.com/wp-content/uploads/2013/05/v5n1sl8.pdf>)
 - 14) Moniruzzaman, M. and Quader, M. A., 2010. Adaptation to Climate Change in the South-western Coastal Zone of Bangladesh. In Ahmed M.F. and Tanveer, S. A.

editors. Bangladesh Environment 2010, Bangladesh Poribesh Andolon (BAPA) and Bangladesh Environment Network (BEN), Dhaka, Bangladesh.

- 15) Ahmed, A and Quader, M. A., 2010. Noise Pollution in Municipal Cities in Bangladesh: A Case Study of Narayanganj. In Ahmed M.F. and Tanveer, S. A. editors. Bangladesh Environment 2010, Bangladesh Poribesh Andolon (BAPA) and Bangladesh Environment Network (BEN), Dhaka, Bangladesh.
- 16) Quader, M. A, 2010. Vulnerability of the Sundarbans to Climate Change in Bangladesh, Khulna University Studies, Special issue (SESB 2010), Khulna University, Khulna, Bangladesh.
- 17) Saifuddin, K, Sahinuzzaman, M., Muhammad, N and Quader, M.A., 2010. Psychophysical Health in Relation to the Environmental Noise Perception in Younger Versus Older Groups of People in Dhaka City, Journal of Life and Earth Science, Vol. 5: 81-84, 2010, Faculty of Life and Earth Sciences, University of Rajshahi, Rajshahi, Bangladesh.
(<http://www.banglajol.info/bd/index.php/JLES/article/view/7355/5546>)
- 18) Moniruzzaman, M., Quader, M. A., and Rashid, M.S., 2009. Urban Informal Economic Sector: A Study on Mymensingh Town (in Bengali), Bhugul Patrika, No. 28, Department of Geogrphy and Environment, Jahangirnagar University, Dhaka, Bangladesh.

Miscellaneous Publication

Quader, M.A, 2006. Destroy of Ozone Layer: Causes and Consequences, Published in *Ecumene*, published by the Department of Geography and Environment, Dhaka University on the occasion of SAARC tour-2006.

VII. Research:

Completed Projects

2019-2020: Jagannath University and University Grants Commission (1Year). Title: 'Impact of Rohingya settlement on the Terrain: A Case Study of Kutupalong Rohingya Camp, Ukhia Upazila, Cox'sBazar'. Principle Investigator: Mohammad Abdul Quader. Total fund received: 100,000 BDT.

2018-2019: Jagannath University and University Grants Commission (1Year). Title: 'Controlling Factors of landslide Casualties: A Case of Rangamati Sadar Upazilla'. Principle Investigator: Mohammad Abdul Quader. Total fund received: 90,000 BDT.

2017-2018: Jagannath University and University Grants Commission (1Year). Title: 'A New Record and Geography of Landslides and Relevance to Disaster Risk Reduction: A Case Study in Rangamati Sadar, Chittagong'. Principle Investigator: Mohammad Abdul Quader. Total fund received: 1,00,000 BDT.

2011-2013: Masters in Physical Land Resource Engineering (2 Years), VUB and UGent, Belgium. Supervisor: Professor Matthieu Kervyn. Title: 'Impact of Climate Change on Sundarban: A Remote Sensing Approach'

2007-2008: Masters in Geography and Environment (1Year), Dhaka University, Bangladesh. Supervisor: Professor A Q M Mahbub. Title: 'Location Analysis and Management of Cyclone Shelters along the Coastal Belt of Bangladesh'

Ongoing Project

2020-2021: Jagannath University and University Grants Commission (1Year). Title: 'Population Estimation using Geospatial Techniques'. Principle Investigator: Mohammad Abdul Quader. Total fund received: 100,000 BDT.

2013-2016: PhD in Physical Geography research group, Department of Geography VUB, Brussels, Belgium

VIII. List of supervised students

2009-2010: Farida Parvin, M.S thesis

2009-2010: Shah Kamal, M.S thesis

2011-2012: Sahin Alam, M.S thesis

2015-2016: Gausul Azam, M.S thesis. Title: 'Evaluation the role of CPP and Disaster Management Committees in preparedness to cyclone in coastal Bangladesh'.

2017-2018: Sumaiya Fahim Prema, M.S. thesis. Title: 'Assessment of Vulnerability of Residential Buildings to Earthquake Hazard: A Case of Ward No. 33, DSCC, Dhaka, Bangladesh'

2018-2019: Nowrin Akter, MS thesis. Title: 'Factors Influencing the Casualties of Lightning in Bangladesh'

2019-2020: 1. Fatima Koom, MS thesis. Title: 'Coping Strategies of Landslide Hazard: A Case of Rangamati Sadar Upazila, Rangamati District.'

2. Minarul Islam, MS thesis. Title: 'Remote Sensing Derived Pattern of Land Cover Dynamics of Sundarban.'

IX. Conference:

Conference Papers:

Quader, M. A., Kervyn, M. and Khan, A. U., 2015. Preparedness of the coast of Bangladesh to adverse impact of natural hazards in context of Climate Change, paper presented at Multidisciplinary Workshop on Vulnerable Coastal Areas, 10 December 2015, Brussels, Belgium

Quader, M. A., Kervyn, M. and Khan, A. U., 2014. Land Cover Changes of the Coast of Bangladesh in Relation to Cyclones and Storm Surges, paper presented at International Conference on Analysis and Management of Changing Risks for Natural Hazards, 18-19 November 2014, Padua, Italy (http://www.changes-itn.eu/Portals/0/Content/2014/Final%20conference/abstracts/FO3_Abstract_Quader.pdf)

Quader, M. A., Kervyn, M. and Khan, A. U., 2014. Risk Zoning of Cyclone Affected Areas along the Coast of Bangladesh, paper presented at The 1st International Conference on Computational Engineering and Science for Safety and Environmental Problems, 13-16 April 2014, Sendai, Japan (<http://www.compsafe2014.org/program/12D.html>)

Quader, M. A. and Ahmad, A. 2010. Gender as a Cross Cutting issue in Disaster Management: A case of Bangladesh, paper presented at The 1st National Youth Conference on Environment (NYCE-I), 3-4 June 2010, Kathmandu, Nepal.

Quader, M.A., 2009. Impact of Cyclone AILA on Coastal Environment of Bangladesh. Paper presented and abstract published in the *Proceeding of Young Scientists Congress*, 29-30 December 2009, Dhaka, Bangladesh.

Quader, M.A., 2007. LIDAR: A Technology of New Era”, Paper presented and published in CD *Proceeding of the International Conference on New Technologies for Urban Safety of Mega Cities in Asia*, December, 2007, Dhaka, Bangladesh.

Conference Posters

Quader, M. A. and Dey, H., 2020. Impact of Rohingyas on the vegetation cover at Kutupalong Camp in Ukhiya, Cox’s bazar, Bangladesh. Poster presented at International Virtual Conference on Young Researchers’ Overseas Day 2020, 15 December 2020, Organized by Royal Academy for Overseas Sciences (RAOS), Brussels, Belgium.

Quader, M.A. and Zaman, S.I., 2019. Integrating geospatial technologies and crowdsourcing to map communities for health planning in southeast Bangladesh. Poster presented at Multidisciplinary workshop on Biodiversity and Health in the Tropics, 6 December 2019, Organized by Royal Academy for Overseas Sciences at Palais des Academies, 1000 Brussels, Belgium.

Quader, M. A. and Kervyn, M., 2018. Why People do not React Similarly to Natural Hazards in the Coast of Bangladesh? Poster presented at International Conference on Climates and Cultures: Perspectives for the Future, 23-24 May 2018, Organized by Royal Academy for Overseas Sciences at Palais des Academies, Brussels, Belgium.

Quader, M. A., Kervyn, M. and Khan, A. U., 2016. Index based regional vulnerability assessment to cyclones hazards of coastal area of Bangladesh. Poster presented at AGU fall meeting, 12-16 December 2016, San Francisco, CA, USA.

Quader, M. A., Kervyn, M. and Khan, A. U., 2016. Preparedness of the coast of Bangladesh to adverse impact of natural hazards in context of Climate Change. Poster presented at UNISDR Science and Technology Conference on the implementation of the Sendai Framework for Disaster Risk Reduction 2015-2030, 27-29 January 2016, Geneva, Switzerland.

Quader, M. A., Kervyn, M. and Khan, A. U., 2015. Jo Jo and Barsha: Analysis of two local hazards at Kutubdia and Gabura in Cox’ Bazar and Satkhira, Bangladesh. Poster presented at 6th Belgian Geography Days, 13 November 2015, Brussels, Belgium.

Conference Participations:

COP 25, United Nations Climate Change Conference. 09-13 December 2019, Madrid, Spain.

ECRA, European Climate Change Research Alliance General Assembly, 7-8 March 2017, Brussels, Belgium.

X. Administrative Positions:

Member, The commission on Programmes: Physical Land Resources, Gent University, 9000 Gent, Belgium. Tenure: 2011-2012.

Chairman, Department of Geography and Environment, Jagannath University, Dhaka-1100. Tenure: 29/10/2020- till date.

Member, Faculty Nirbahi Committee, Faculty of Life and Earth Sciences, Jagannath University, Dhaka-1100. Tenure: 2018-2020

Associate Editor, Journal of Life and Earth Sciences, Vol: 5, Issue: 1 & 2, Jagannath University, Dhaka-1100. Tenure: 2019-2020

Member, Board of Advance Studies, Jagannath University, Dhaka-1100. Tenure: 29/10/2020- till date.

Member, Academic Council, Jagannath University, Dhaka-1100. Tenure: 29/10/2020-till date

XI. JOB Experience:

2017 (9 July)- till date: Associate Professor, Department of Geography and Environment, Jagannath University, Dhaka, Bangladesh.

2010 (15 December)- 2017 (9 July): Assistant Professor, Department of Geography and Environment, Jagannath University, Dhaka, Bangladesh.

2008 (December) – 2010 (14 December): Lecturer, Department of Geography and Environment, Jagannath University, Dhaka, Bangladesh.

2008-2009: Worked as a Part-time Consultant under the project “Building and Strengthening the Technical and Institutional Capacities of Government, NGOs and Implementing Partners (Package # GF-913)” in PIACT Bangladesh (a leading NGO in the field of HIV/AIDS), Shireen Lodge, 49/1 Babor Road, Block-B, Dhaka-1207.

2008 (March- December): Worked as a Field Coordinator in PIACT Bangladesh, Shireen Lodge, 49/1 Babor Road, Block-B, Dhaka-1207.

2006 (December) -2008 (February): Worked as a Quality Controller of LiDAR data processing in Golden Harvest Scankort GIS Ltd. (A Denmark-Bangladesh Joint Venture Company), 6th floor, Ideal Trade Centre, Tejgaon, Dhaka, Bangladesh

XI Professional Memberships

Life member, Bangladesh Geographical Society (BGS)

Life Member, Bangladesh National Geographical Association (BNGA)

Member, American Geophysical Association (AGU)

Executive Member, Bangladesh National Geographical Association (BNGA), 2017-2018

Member, Asiatic Society of Bangladesh. Membership ID: **2450**

Life Member, Bangladesh Society of Geoinformatics (BSGI). Membership No. **M20-0199**

References:

1. Md. Moniruzzaman

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Department of Geography and Environment
Jagannath University
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2. Dr. kazi Saifuddin

Professor
Department of Psychology
And Ex-Dean, Faculty of Life and Earth Science
Jagannath University
Cell: 01712119309