

Name: Towhida Rashid

Designation: Professor and Chairperson

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EDUCATION

- October 2006 – Sept. 2009 PhD in Earth Science, Okayama University, Japan (*Awarded*)
- July 1993 – June 1994 MSC in Geography, University of Dhaka, Bangladesh (*First Class in First Position*)
- July 1989 – June 1992 BSC (Honors) in Geography, University of Dhaka, Bangladesh (*First Class in First Position*)
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EMPLOYMENT

- February 2015- Present Professor
Chairperson, Department of Meteorology (from July 2016)
University of Dhaka
- January 2010 – January 2015 Associate Professor
Department of Geography & Environment
University of Dhaka, Bangladesh
- June 2005 – December 2009 Assistant Professor
Department of Geography & Environment
University of Dhaka, Bangladesh
- Oct. 2006 – Sept. 2009 PhD Researcher
Faculty of Earth Science and Technology
Okayama University, Japan
- June 2003 – May 2005 Lecturer
Department of Geography & Environment
University of Dhaka, Bangladesh

Jan 1999- May 2003

Assistant Secretary
Ministry of Planning
The Peoples' Republic of Bangladesh.

MEMBERSHIP

Editorial Duties

Editorial Board Member-

Assistant Editor- Oriental Geographer, 2005-2006

Administrative responsibility

22nd May 2017-16 June 2020, **Senate Member**, University of Dhaka.

January 2006- October 2007, **Student Advisor**, Department of Geography & Environment, University of Dhaka, Bangladesh.

December 1999-April 2003, Elected Member, Bangladesh Economic Cadre Association, Planning Commission, The People's Republic of Bangladesh.

LIST OF RECENT PUBLICATIONS

Journal Articles

1. Saurav Dey Shuvo, **Towhida Rashid**, S. K. Panda, Someshwar Das and Dewan Abdul Quadir : **Forecasting of pre-monsoon flash flood events in the northeastern Bangladesh using coupled hydrometeorological NWP modelling system**, Meteorology and Atmospheric Physics (impact factor:2.065 (2020)) Springer Nature , 2021 .
2. Bosu, H., **Rashid, T.**, Mannan, A. and Meandad, J., 2020. Climate Change Analysis for Bangladesh Using CMIP5 Models. The Dhaka University Journal of Earth and Environmental Sciences, 9(1), pp.1-12.
3. Bosu, H., **Rashid, T.**, Mannan, A. and Meandad, J., 2020. Trends of Rainfall and Temperature in Bangladesh: A Comparative Analysis of CMIP5 Results and Meteorological Station Data. The Dhaka University Journal of Earth and Environmental Sciences, 9(2), pp.9-18.

4. Faisal, Q.A., **Rashid, T.**, Hossain, M.A., Hassan, S.Q. and Meandad, J., 2020. Simulation of Storm Surges in Bangladesh Using NWP Models. The Dhaka University Journal of Earth and Environmental Sciences, 9(1), pp.31-38.
5. **Rashid, Towhida** (2018): Integrating subsurface stratigraphic records with satellite images to investigate channel change and bar evolution: a case study of the Padma River, Bangladesh, *Environmental Earth Sciences*, Springer.
6. Kabir, M. G., Saha, S.K., Monsur, M.H., **Rashid, T.** and Rahman, Z. (2015) Mid Holocene Marine Transgression at Eastern Coastal Margin of Bangladesh- Implications for Past Sea Level Change, *Journal of Climate Change*, 1 (1-2), 89-97.
7. **Rashid, T.**, Hoque, S. and Akter, S. (2015) Pollution in the Bay of Bengal: Impact on Marine Ecosystem, *Open Journal of Marine Science*, **5**, 55-63.
8. **Rashid T.**, Shaha S. K. and Hasan Z. (2014) Paleoenvironment Reconstruction of Madhupur Tract, *Earth Science & Climatic Change*, **5** (9), 1-4.
9. **Rashid T.** and Sharmin, A. (2014) An assessment of the use of sediment traps for estimating sedimentation rate and pattern of Dhaleshwari River, *World Journal of Engineering and Physical Sciences*, accepted in October 2014.
10. Chowdhury, R. A., **Rashid T.** and Hoque S. (2013) Assessing surface water quality using Landsat TM and In situ data: An explanatory analysis. In: Dewan, Ashraf and Corner, Robert (eds) Dhaka Megacity. Springer, Netherland.
11. **Rashid T.**, Hoque S. and Akhter F. (2013) Ocean acidification in the Bay of Bengal, *Open Access Scientific Reports*, 2 (3).
12. **Rashid, T.**, Suzuki, S., Sato, H., Monsur, M. H., Saha, S. K. (2012) Relative sea-level changes during the Holocene in Bangladesh, *Journal of Asian Earth Sciences*, 64, 136-150.
13. **Rashid, T.**, Monsur, M. H., Suzuki, S., and Ooi, N. (2009) Reconstruction of Holocene paleoenvironment and evidence of sea-level changes in the Bengal Lowland. *Journal of Geography*, **118** (4), 631-645.

Book

1. **Rashid Towhida** (2014) Holocene Sea level Scenario in Bangladesh, Springer Brief, Netherlands.

Conference Proceedings

1. **Rashid, Towhida**(2013)Ocean acidification and Pollution in the Bay of Bengal: Impact on Marine Ecosystem, in International Association for Physical Sciences of Ocean (IAPSO) Conference on 23 July 2013, Gothenburg, Sweden.
 2. **Rashid, Towhida**(2011): Holocene Relative Sea level changes in Bangladesh,in Proceedings of the International Union for Geoscience and Geophysics (IUGG) Conference on, 28 June-2 July 2011, Melbourne, Australia.
 3. **Rashid, Towhida** and Islam, Mehruba (2011). Recent Pattern of Relative Sea level Changes along the Coast of Bay of Bengal, in Proceedings of the Asia Oceania Geoscience Society (AOGS), 12 August 2011, Tepai, Taiwan.
 4. **Rashid, Towhida**, M. H., Suzuki, S., and Ooi, N. (2008): Reconstruction of Holocene paleoenvironment and evidence of sea-level changes in the Bengal Lowland. *Japan Geoscience Union Meeting*, Abstract, Q 139, Tokyo.
 5. **Rashid, Towhida**, Monsur, M. H., Suzuki, S., and Saha, S. K. (2009):Holocene brackish water invasion caused by sea-level changes in the central part of the Bengal Lowland. *Japan Geoscience Union Meeting*, Abstract, Q 145, Tokyo.
 6. Suzuki, S. **Rashid, Towhida, Rashid**, Bhuiyan, M. H., and Ooi, N. (2008): Holocene deposits in the central Bengal Lowland. *The 115th Annual Meeting of the Geological Society of Japan*, Abstract, O-76, Akita, Japan.
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ACADEMIC AWARDS AND GRANTS

1. **Guest Speaker** in conference of International Association for Physical Sciences of Ocean (IAPSO), Gutenberg, Sweden: 02-08 July 2013
2. **LaFond award** received as best presenter in Oceanography from International Association for Physical Sciences of Ocean (IAPSO), Melbourne, Australia: 28 June to 10 July, 2011 (<http://iapso.iugg.org/awards-and-honors/the-eugene-lafond-medal26.html?showall=&start=5>)
3. Bangladesh National Education Board School Scholarship: 1984-1986.
4. Bangladesh National Education Board School Scholarship

- at undergraduate level: 1989-1992
5. Dr. Rizvi Memorial Award (academic distinctions): 1993-1994
 6. Bangladesh National Education Board School Scholarship: 1995-1996
at graduate level
 7. National High School Board Scholarship, 1984
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Other Academic Output

PhD Dissertation

“Reconstruction of Holocene paleo environment and relative sea-level changes in Bangladesh”, Faculty of Natural Science and Technology, Okayama University, Japan.

Consulting experience

1. Worked as Team Leader financed by ICDDR’B, entitled GIS Mapping & Household Listing for Mirpur ShishuPusti from 1st July 2011 to 30th September 2011
2. Worked as Team Leader financed by ICDDR’B, entitled GIS Mapping and Survey for Drug Seller Study from 1st December 2011 to 29th February 2012
3. Worked as Team Leader financed by ICDDR’B, entitled GIS Mapping and Survey for Urban Health from 15th March 2012 to 20th May 2012
4. Worked as consultant financed by ICDDR’B, entitled GIS Mapping of Cholera Vaccine Project in Dhaka city from August 2012 to December 2016.
5. Worked as Sub Project Manager (SPM) awarded by World Bank (2017-2018), entitled Improvement of teaching and learning in Undergraduate and Graduate Programs for the Department of Meteorology in University of Dhaka
6. Working as Focal Point funded by World Bank (Sept. 2018-June 2021) entitled Support to capacity building of the Department of Meteorology in the University of Dhaka
7. Working as Project Director (PD) awarded by Climate Change Trust Fund (Jan 2019-Dec 2020) entitled Investigation of Meteorological Conditions relating to Lightning and Development of Resilient Communities in Lightning Prone Areas in Bangladesh

8. Working as Project Investigator Funded by Ministry of Science and Technology(Jan 2019-Dec 2019), entitled Development of Long/Medium Range Weather Model for predicting landslide over the Southeastern Hill Districts
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