

CURRICULUM VITAE

DR. M. SHAHIDUL ISLAM

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ACADEMIC RECORDS

Ph.D. from Univ.of St.Andrews (UK) (Commonwealth Scholar) Awarded (1996)

M. Sc. (Geography) from Dhaka University (By thesis) **First Class First (1984)**

B.Sc (Hons) in Geography from Dhaka University **First Class First (1983)**

SSC (Dhaka Board) CTB High School First Division (1976)

HSC (Rajshahi Board) Govt Edward College First Division (179)

ACADEMIC CARRER SUMMERY

1. **Lecturer** in Geography in Rajshahi University (since June, 1990)
2. **Assistant Professor** in Geography in Rajshahi University (since June 1993)
3. **Assistant Professor** in Geography and Environmental Studies in Chittagong University (since February, 1998)
5. **Associate Professor** in Geography and Environmental Studies in Chittagong University (since June,1999)
6. **Professor** in Geography and Environmental Studies in Chittagong University (since December, 2005)
7. **Professor** in Geography and Environmental in Jagannath University (since July, 2008)
8. **Professor** in Geography and Environment in Dhaka University (since February, 2010)
9. **Visiting Professor**, Department of Geography, University of Nagoya, Japan, (June to September, 2006)

RESEARCH INTERESTS

Geomorphology: Major research interests and publications are on Fluvial dynamics, Floodplain morphology, Wetland morphology & ecosystem, Lake environment,

Coastal Geography and Environment: Major research interests and publications are on Coastal morphology, Coastal dynamics, Sea-level Change, Landuse change, Man-environment linkage, Coastal disaster, Coastal Pollution, Coastal people & their livelihood and Coastal tourism

Oceanography: Major research interests and publications are on Ocean dynamics, Shelf topography, Sediment dynamics, Morphology and ecology of off-shore islands, Estuarine environment, Marine environment, Marine disaster and Blue economy

Palaeo-geography and Environment: Major research interests and publications are on Reconstruction of Quaternary Environment, Holocene Sea-level Changes, Palaeo-monsoon, Palaeo-archeology and Palaeo-oceanography using litho-bio-& chrono-stratigraphic techniques

ADMINISTRATIVE POSITIONS AND LEADERSHIP

1. Founding Chairman, Department of Geography and Environmental Studies, University of Chittagong. Chittagong University is one of the largest Universities in Bangladesh. The University started its journey in 1966. However, until 1998 there was no Geography Department in the University. I joined the University in 1998 and started the academic activities of the newly formed Department of Geography and Environmental Studies. The basic academic initiatives, such as development of curriculum, recruitment of new brilliant faculties and staffs, establishment of different laboratories, academic links with local and foreign universities and joint collaborative research are some of the achievement. Now the Department is one of the largest departments in the University. The Department now occupies large space in a multistoried building and the space plan of the Department was proposed by me while I was the Chairman.

2. Dean, Faculty of Science, Jagannath University (2008-2010): From Chittagong University I moved to Jagannath University in 2008 as Professor of Geography. As the first recruited faculty member and senior most Professor of the Faculty of Science, according to university rule I was appointed as the first Dean of the Faculty of Science. It was a very challenging task to start the activities of the Faculty, because then it was a transition of academic activities from Jagannath College environment to Jagannath University. I took the first challenge to begin the first year admission process under UNIT-A. with the guidance of the authority. My another major contribution was to lead the team to develop the ORGANOGRAM of the University which is now being implemented. Moreover, I contributed the formulation of service and promotion rules of the teachers, development of many policies and guideline, and contributed as a member of the Academic Council and

Syndicate. During my tenure, two new departments were opened in the Faculty and initially I acted as the Chairman (in charge).

3. Chairman, Department of Geography and Environment, University of Dhaka (31 December 2022-till Now): Currently I am the Chairman of the Department of Geography and Environment, University of Dhaka. I am also the senior most Professor of the Department. During my last 1 year 8 months period I could develop a congenial academic and research atmosphere in the Department with full supports from my beloved students, teachers and supporting staffs. The major achieves are regularizing the academic calendar (completing the curses, conducting the examinations and publishing the result as planned), noticeable infrastructural development (updating the laboratories, class rooms and office compound), and engaging the students in a number of extracurricular activities.

4. Director, Disaster Research, Training, and Management Center (DRTMC), DU (27 July 2022 Till today: Currently I am the Director of the Disaster Research, Training and Management Centre (DRTMC) of Dhaka University. DRTMC is one of the oldest research centres which was established in the Department of Geography and Environment in 1988. The center is dedicated to conduct research in various natural and man-made disasters. During my last two years period more than a dozen of researches have been conducted by the centre covering the wider areas of cyclones, flood, earthquakes, sand-mining, wetland ecosystem, climate change etc.

5. Secretary, Bangladesh Geographical Society (BGS): Bangladesh Geographical Society (BGS) is the professional body of the Geographers of Bangladesh. Currently I am the Secretary (2nd time) of the Society. I was also elected as the secretary of the Society during 2011-2013 sessions.

6. Founding Secretary, Bangladesh Association of Commonwealth Scholars and Fellows (BACSAF): Bangladesh Association of Commonwealth Scholars and Fellows (BACSAF) is a distinguished organization of intellectuals and professionals who have been honoured with the prestigious Commonwealth Scholarships and Fellowships in the UK and this organization is endorsed by the CSC (Commonwealth Scholarship Commission), UK. The journey of the formation of the Association started in 2014 with the initiative of CSC and British Council Dhaka office with the formation of the Convening Committed where I acted as a Member Secretary. Later on I was elected as the Founding Secretary of the BACSAF and I continued my responsibility until May 2024.

7. Vice President, Bangladesh Poribesh Andolon (BAPA): Bangladesh Poribesh Andolon (BAPA) is the leading and oldest social organization dedicated to develop awareness among people on various environmental issues, environmental protection, conservation and sustainable uses and development of environment, and also to suggest the policy makers through various ways including seminar, workshop and dialogues. BAPA organizes national/international conferences annually at regular basis and I have been working as the Convener of the Scientific Committee for last eight years and taken the responsibilities to edit and publish the proceedings. Currently³I am one of the Vice-Presidents of BAPA.

8. Member, Teacher Selection Board: Considering academic position, excellences and expertise I had been appointed as the member of the teachers selection committees in different Universities of Bangladesh:

i. University of Dhaka: Lecturer and Assistant Professor Selection Committee, Department of Geography and Environment, University of Dhaka. :

ii. University of Chittagong: Lecturer, Assistant Professor, Associate Professor and Professor Selection Committees, Department of Geography and Environmental Studies, University of Chittagong.

iii. Pubna University of Science and Technology (PUST): Associate Professor and Professor Selection Committee, Department of Geography and Environment, . Pubna University of Science and Technology, Pabna.

iv. Shahjalal University of Science and Technology (SUST): Lecturer and Assistant Professor Selection Committee, Department of Oceanography, Shahjalal University of Science and Technology, Sylhet.

v. Noakhali Science and Technology University (NSTU): Lecturer and Assistant Professor Selection Committee, Department of Oceanography Noakhali Science and Technology University, Noakhali.

vi. Stamford University Bangladesh (SUB): Lecturer and Assistant Professor Selection Committee, Department of Environmental Sciences, Stamford University Bangladesh , Dhaka.

9. . International Leadership

- i. Past Secretary,** INQUA (International Union for Quaternary Research) Sea Level Change and Coastal Evolution: Indian Ocean Sub-commission, 1995-1999.
- ii. Past President,** INQUA (International Union for Quaternary Research) Sea Level Change and Coastal Evolution: Indian Ocean Sub-commission, 2000-2004.
- iii. Co-leader,** IGCP-495 Project on Quaternary Land-Ocean Interaction; Driving Mechanism and Coastal response, 2004-2009. UNESCO.

10. Memberships:

National Membership

- i. Life Member,** Bangladesh Geographical Society (BGS)
- ii. Life Member,** National Oceanographic and Maritime Institute (NOAMI)
- iii. Member,** Bangladesh Association for the Advancement of Sciences (BAAS)
- iv. .Member,** Bangladesh National Geographical Association (BNGA)

International Membership

- i. Life Member**, Indian Institute of Geomorphologists (IIG)
- ii. Member**, Coastal Commission, International Geographical Union (IGU)
- iii. Member**, INQUA Commission on Sea Level Change
- iv. Fellow**, Royal Geographical Society (Fellow No. 527741)
- v. Member**, International Peat Society (IPS)
- vi. Member**, International Bio-geography Research Group
- vii. Member**, International Tidal Research Group

EDITORIAL EXPERIENCES

- 1. Chief Editor:** Bhugul Potrika
- 2. Associate Editor:** Journal of Earth and Environmental Science, DU
- 3. Member**, Editorial Board: Oriental Geographer
- 4. Member**, Editorial Board: The Journal of NOAMI
- 5. Member**, Editorial Board: PUST Studies
- 6. Member**, Editorial Board: Stamford Journal of Environment and Human Habitat

WORKING WITH THE GOVERNMENT

1. Member and Lead Author: After the massive landslides at Chittagong City in 2007 a high level technical committee consisting of 11 members was formed by the Government to find out the scientific causes of the landslides and to recommends for necessary actions. After 6 months of its formation the committee submitted a report with 22 suggestions to implement in different phases (short-term, mid-term and long-term). I worked as the lead author of that technical committee report.

2. Member: After another the massive landslides in Rangamati region in 2017 a high level technical committee was formed by the Government to find out the scientific causes of the landslides and to recommends for necessary actions. I was included as members in this technical committee and visited affected areas

3. Project Report Reviewer: I use to work as a reviewer of many research and consultancy project proposal/ reports submitted to different departments of the Government, such as Department of Environment, Social Science Research Council (Planning Division), ERD , BANBEIS, etc

RESEARCH PROJECTS

National Research Projects:

1. Issues Related to Blue Economy and the Identification of Suitable Beach Locations and Beach Resources along the Coastal Belt and Off-shore Islands for Sustainable Development of Coastal Tourism in Bangladesh (Funded by Ministry of Science and Technology, Govt. of Bangladesh)
2. Underwater Observation (Scuba Diving) for Determination of the Characteristics of Sediment Dynamics, Pollutant Influx and Marine Pollution in the South-eastern Continental Shelf Zone of Bangladesh with Special Emphasis on the Conservation of Sub-aquatic Ecology of St. Martins Island (Funded by Ministry of Science and Technology, Govt. of Bangladesh, Two papers have been published).
3. Coastal Land Use Change and Environmental Degradation: A Study of Chittagong Coastal Belt (Funded by the Disaster Research, Training and Management Centre, Dhaka University)
4. Sea Level Change and Vertical Land Displacement: A Comparative Study between Patuakhali and Matamuhuri Deltaic Areas (Funded by the UGC)
5. Late Quaternary Delta Development and Recent Changes in Floodplain Morphology of Arial Beel Area in Bangladesh (Funded by UGC)

International Research Project:

i. Co-leader: IGCP-495 Project on *Quaternary Land-Ocean Interaction: Driving Mechanism and Coastal Responses*. (ongoing 2004-2009)

http://www.geography.dur.ac.uk/research/IGCP_495/index.html

The aim of this project is to address the gap by focusing the efforts of the coastal research communities on establishing the driving mechanism behind the sea-level changes and coastal evolution.

ii. Core Team Member, International Project on Maldives Sea Level Change, funded by the International Union for Quaternary Research (INQUA) An international expedition was organized in the Maldives Islands by the INQUA Sea Level Change and Coastal Evolution Commission from 8 October to 23 October, 2000 under this project. The team included 12 leading coastal scientists from 6 countries [UK-3, Sweden-2, France-3, Australia-1, Maldives-2, Bangladesh-1 (only myself)] The expedition included the collection of sediment samplings from sea bed, diving, mangrove sediment coring, coral samplings, GPS application, leveling, etc.

iii. Contributing Member, IGCP-437 Project on '*Coastal Environmental Change During Sea Level Highstands: A Global Synthesis with Implications for Management of Future Coastal Change*, UNESCO Supported

iv. Contributing Member, IGCP-475 Project on *Deltas in the Monsoonal Asia and Pacific Region (DeltsaMAP)*, UNESCO Supported

c). International Expedition:

An international expedition was organised in the Maldives Islands by the INQUA Sea Level Change and Coastal Evolution Commission from 8 October to 23 October, 2000. The team included 12 leading coastal scientists from 6 countries [UK-3, Sweden-2, France-3, Australia-1, Maldives-2, Bangladesh-1 (only myself)] The expeditions included sediment samplings from sea bed, diving, mangrove sediment coring, coral samplings, GPS application, leveling, etc. Collected samples have been stored and analyzed in different laboratories, including the environmental laboratory in the Department.

PUBLISHED BOOKS (Author/Editor)

12. Nasreen Rafiq, **M. Shahidul Islam**, Kazi Fazlul Haq, M. Maksudur Rahman and Md. Humayun Kabir, The Department of Geography and Environment of Dhaka University: History, Development and Nation Building; , Published by DG&E, DU, 2024

11. Aznarul Islam, Pravat Kumar Shit, Dilip Kumar Datta, **M. Shahidul Islam**, Suvendra Roy, Sandipan Ghosh and Balai Chandra Das, Flood in The Ganges-Brahmaputra Meghna Delta, Springer Switzerland, 2023

10. **M. Shahidul Islam**, Ahmed Badurazzaman and Ahman Kamruzzaman Majumder, Bangladesh Environment 2020, Dhaka: BAPA-BEN, 2023

9. Rafiqul Islam, Md. Nurnabi, **M. Shahidul Islam**, M. Shafiq-ur-Rahman, Anwar Zahid and Mohammad Shahrizzaman Climate Change: Mitigation and Adaptation. Dhaka: CCCSRU-BACSAF-AAGUB, 2019 .

8. **M. Shahidul Islam** and Md. Khalequzzaman Delta Plan 2100 and Sustainable Development in Bangladesh, Dhaka: BAPA-BEN, 2019 .

7. **M. Shahidul Islam**, M. Maksudur Rahman, Md. Humayun Kabir and Md. Serajul Islam Learning Geography and Environment in the Field. Dhaka: Dept. of Geography and Environment, University of Dhaka, 2018 .

6. **M. Shahidul Islam** and Md. Khalequzzaman Floods Waterlogging and Landslides in bangladesh. Dhaka: BAPA-BEN, 2018 .

5. **M. Shahidul Islam** and Md. Khalequzzaman Sustainable Development Goals and Bangladesh Environment. Dhaka: BAPA-BEN, 2017 .

4. **M. Shahidul Islam** and Md. Khalequzzaman Coastal and Marine Environment of Bangladesh. Dhaka: BAPA-BEN, 2016 . 7

3. **M. Shahidul Islam** and Fayjus Salehin, Coastal Zone and Disaster Management of Bangladesh, Published by CRU, Dhaka 2014

2. **M. Shahidul Islam**, M. Alam and S. Mantel Landuse Planning and Environmental Control in the Chittagong Hill Tracts. Dhaka: BCAS-ISRIC- CEGIS under CHARM Project, 2007 .

1. **M. Shahidul Islam** Sea-Level Changes in Bangladesh: The Last Ten Thousand Years. Dhaka: Asiatic Society of Bangladesh, 2001 .

PUBLISHED BOOK CHAPTERS

18. **M. Shahidul Islam** and Asib Ahmed, Development of Geography in the Post Independent Period, in Nasreen Rafiq, **M. Shahidul Islam**, Kazi Fazlul Haq, M. Maksudur Rahman and Md. Humayun Kabir, (Eds) The Department of Geography and Environment of Dhaka University: History, Development and Nation Building; , Published by DG&E, DU, 2024

17. **M. Shahidul Islam**, Integrated Coastal Zone Management: An Approach to Protect and Conserve the Morphology and Ecology of Coastal Dune System of Bangladesh, In Lu Qi, Mahesh K Gaur and Victor R Squires (Eds) Sand Dunes of the Northern Hemisphere, CRC Press, New York, 2023

16. Aznarul Islam, Pravat Kumar Shit, Dilip Kumar Datta, **M. Shahidul Islam**, Suvendra Roy, Sandipan Ghosh and Balai Chandra Das, Flood of Flood in The Ganges-Brahmaputra-Meghna Delta in Context, In Aznarul Islam, Pravat Kumar Shit, Dilip Kumar Datta, M. Shahidul Islam, Suvendra Roy, Sandipan Ghosh and Balai Chandra Das, (Eds) Flood in The Ganges-Brahmaputra Meghna Delta, Springer Switzerland, 2023

15. **M. Shahidul Islam** and Afrin Sharabony, Charecteristics of Flood in the Meghna River Basin within Bnagladesh, In Aznarul Islam, Pravat Kumar Shit, Dilip Kumar Datta, M. Shahidul Islam, Suvendra Roy, Sandipan Ghosh and Balai Chandra Das, (Eds) Flood in The Ganges-Brahmaputra Meghna Delta, Springer Switzerland, 2023

14. Al Artat Bin Ali, Nazmoon Nahar Sumiya and **M. Shahidul Islam**, Floods of Gorai-Madhumati and Arial Khan Rivers, , In Aznarul Islam, Pravat Kumar Shit, Dilip Kumar Datta, M. Shahidul Islam, Suvendra Roy, Sandipan Ghosh and Balai Chandra Das, (Eds) Flood in The Ganges-Brahmaputra Meghna Delta, Springer Switzerland, 2023

13. **M. Shahidul Islam**, Reconstruction of Palaeogeography and Palaeoenvironment of Bangladesh: Geographical Perspectives. In Sheikh Tawhidul Islam and Alak Paul (Eds) Geography in Bangladesh: Concepts, Methods and Applications. Routledge India, 2019 .

12. **M. Shahidul Islam** and Premananda Debnath, Centinial to Decadal Scale Monsoon Variabilities in Bangladesh and Its Implication in CHT Region. In Islam, R., Nurnabi, Md., Islam, M.S., Rahman, M.S., Zahid, A., and Shahruzzaman, M (Eda) Climate Change: Mitigation and Adaptation.. Dhaka: CCCSRU-BACSAF-AAGUB, 2019

11. Maliha Haque and **M Shahidul Islam**, Major Deltas of the World: Uniqueness of the Ganges-Brahmaputra Delta, In M. Shahidul Islam and Md. Khalequzzaman (Eds) Delta Plan 2100 and Sustainable Development in Bangladesh, Dhaka: BAPA-BEN, 2019 .
10. Monojit Saha, Maliha Haque, Bandhan Dhar and **M. Shahidul Islam**, Application of Remote Sensing Techniques for Studying the Bankline Shifting of the Teesta River in Bangladesh: in M. Shahidul Islam and Md. Khalequzzaman (Eds) Flood Waterlogging and Landslides in Bangladesh:. Dhaka: BAPA-BEN, 2018.
9. Samrin Sumaiya Sauda, Md. Hasibul Hasan, Nahid Sultana , Suman Chandra Biswash and **M. Shahidul Islam**, Application of Remote Sensing Techniques for Studying River and Channel Morphology Change of the Teesta River In Bangladesh, in M. Shahidul Islam and Md. Khalequzzaman (Eds) Flood Waterlogging and Landslides in Bangladesh:. Dhaka: BAPA-BEN, 2018.
8. **M. Shahidul Islam**, Landslide in Bangladesh: A New Challenge in Disaster Management.in M. Shahidul Islam and Md. Khalequzzaman (ed) Floods Waterlogging and Landslides in Bangladesh. Dhaka: BAPA-BEN 2018..
7. S.M. Sihabul Islam and **M. Shahidul Islam**, Use of Black Soil (Kasam Mati) as Fuel for Adaptation to Climate Change and Its Environmental Impact. M. Shahidul Islam and Md. Khalequzzaman (eds) Sustainable Development Goals and Bangladesh Environment. Dhaka: BAPA-BEN, 2017.
6. **M. Shahidul Islam**, Sustainable Development Goals and the Context of Marine Ecosystem of the Bay of Bengal. In M. Shahidul Islam and Md. Khalequzzaman (eds) Sustainable Development Goals and Bangladesh Environment. Dhaka: BAPA-BEN, 2017.
5. Sanjoy Roy and **M. Shahidul Islam** Suspended Sediment Estimation and Siltation in the Bay of Bengal Using Geo-spatial Techniques. In M. Shahidul Islam and Md. Khalequzzaman (eds) Coastal and Marine Environment of Bangladesh. Dhaka: BAPA-BEN, 2016.
4. **M. Shahidul Islam**, Sirajur rahman Khan and Monzurul Haque, Sub-Aquatic Environmental Pollution of St. Martins Island with Special Emphasis to Ecological Conservation. In M. Shahidul Islam and Md. Khalequzzaman (eds) Coastal and Marine Environment of Bangladesh. Dhaka: BAPA-BEN, 2016.
3. **M. Shahidul Islam** and Kamol Sen Gupta, Pollution of the Kaptai Lake: A Geo-environmental Study.in M. Feroze and Saleh, A.Tanveer (eds) Bangladesh Environment - 2010. Dhaka: BAPA-BEN, 2010.
2. **M. Shahidul Islam** Application of the Tendency Model to Regional Correlation of Holocene Marine Events within the Bengal Basin. In G. Victor Rajamanickam and Michael J.Tooley (Eds) Quaternary Sea-level Variations, Shoreline Displacement and Coastal Environments. Delhi, India: New Academic Publisher (NAP), 2001.
1. **M. Shahidul Islam** and Michael J Tooley, Holocene Sea-level Movements and Coastal Dynamics: Records of Last 9000 years at Panigati near Khulna, Bangladesh. In Peter J Atkins and Md. Shamsul Alam (Eds) Information Technology, Environment and Development in Bangladesh. Dept. of Geography, Durham University, UK, 1996.

PUBLISHED JOURNAL ARTICLES

55. **Islam, M.S.**, Kabir, M.H., Tamim, M.S., Majumder, A.K., Mustari, F., Talukder, P.C., Islam, R. and Singha, H, Morpho-ecological Changes and Socioeconomic Impacts due to Sand Mining in the Someshwari River, Bangladesh, *Heliyon* (Submitted, ID- HELIYON-D-24-35489), Cell Press, 2024.
54. Tamim, M.S. and **Islam, M.S.**, Impact of Cyclone on the Sediment Dynamics and Coastal Morphology Change in Bangladesh: A Comparative Study between Cyclone Sidr and Cyclone Mora, *Quaternary International* (Submitted), Elsevier, 2024,
53. Sarker, T.T, **Islam, M.S.** Banik, B.K., Islam, M.T., Suchi, P.D, and Moniruzzaman, M, Heavy metal concentration in the surface sediment of Tanguar Haor in Bangladesh, *Journal of Soil Contamination* (Submitted) Taylor & Francis, 2024.
52. **Islam, M. S.** Islam, M.T, Hossen M.A. Sarker, N.C,D. Sharabony, A. and Chakraborty, P, Nature and Characteristics of Sylhet Flood 2022 and its Impact on Sylhet City: A Geo-spatial Analysis, *Natural Hazards* (Submitted, ID- NHAZ-D-24-01918), Springer, 2024
51. Joly, M.A.A and **Islam, M.S.**, Impact of Sand Mining on Bathymetry of the Meghna River, Dhaka University Journal of Earth and Environmental Sciences (Submitted, ID - 02- 2024 D.U. JEES.), 2024
50. Haque M. Akter M., **Islam M. S.**: Earthquake Risk in Bangladesh: Lesson Learned from Turkey-Morocco Earthquake". *Journal of Asian Geography*, 2024 (Press)
49. Uddin, M.M. and **Islam, M.S.**, Floating Marine Debris Influx in the Intertidal Zone of Offshore Islands in Bangladesh: A Case Study of Manpura Island, *Marine Pollution Bulletin*, Elsevier, 197, 2023,
48. **Islam M. S.**, Eva E. A., Debnath P., Islam M. S, and Ali, A. A. B. Characteristics of Sediment in the Inner Shelf Zone of Bangladesh, *BMJ Special Issue*, 2021 ISSN 2519-5972 179
47. Garnier J. M. Garnier.J, Debnath P. , Prado L.F. Yokoyama, E. Das R. K., Mathé R.K., , and . **Islam M. S.**, Late Holocene paleoenvironmental records in Eastern Bangladesh from lake sediments: A multi-proxy approach, *Quaternary International* (2020), doi: <https://doi.org/10.1016/j.quaint.2020.06.049>.
46. **Islam, M.S. and** Das, J., Pollution of Watermass and Bottom Sediments in the South Western Shelf Zone of Bangladesh, *The Journal of NOAMI* , vol.36 , no.1-2 ,21-30 , 2019
45. **Islam M. S.**, Shaha, C.R. and Biswash, M.C., Lithostratigraphic Sequences and Sedimentological Characteristics of Bangabandhu Island in the South-Western Shelf Zone of Bangladesh; *The Journal of NOAMI* , vol.35 , no.1-2 , pp.1-16 , 2018

44. **Islam M. S.** and Saha C. R.: The Emergence of Bangabandhu Island in the Western Shelf Zone of Bangladesh and Its Morphological Changes, *The Journal of NOAMI* , vol.34 , no.2 , pp.25-36 , 2017 .
43. **Islam, M. S.** Debnath P. and Garnier J. M. : An Approach to the Origin of Boga Lake and Pukurpara Lake in the Hill Districts of Bangladesh, *Oriental Geographer* , vol.58 , no.2 , pp.31-52 , 2017 .
42. **Islam M. S.** and Meem M. S : Pollution of the Water Mass and Bottom Sediments in the South Western Shelf Zone of Bangladesh, *The Journal of NOAMI* , vol.34 , no.1 , pp.1-16 , 2017 .
41. Bushra N. **Islam M. S.** and Khan A. U. Dune Morphology of Kuakata Coast in Bangladesh, *The Journal of NOAMI* , vol.33 , no.1 & 2 , pp.91-102 , 2016 .
40. **Islam M. S.**, Khan S. R. and Haque M. : Underwater Observation Through Scuba Diving to Study Physical Damages of Corals and Sub-aquatic Environment of St. Martins Island, Bangladesh, *The Journal of NOAMI* , vol.33 , no.1 & 2 , pp.1-18 , 2016 .
39. **Islam M. S.**, Shahjahan M.S. and Majumder A. K : Pollution Status of Water Column in the North-western Shelf Zone of Bangladesh, *Stamford Journal of Environment and Human Habitat* , vol.5 , no.1 , pp.7-13 , 2016 .
38. Debnath, P and **Islam M. S.** : Environment of Naturally formed Lakes in the Hill Districts of Bangladesh: A Comparative Analysis of Bogalake and Pukurpara lake, *Bhuguo-O-Poribesh Journal (in Bengali)* , vol.9 , pp.1-15 , 2015 .
37. Bushra N. Khan A. and **Islam M. S.** : Natural Process on Coastal Sand Dune Dynamics of Kuakata: A Geographical Analysis, *Dhaka University Journal of Earth and Environmental Sciences* , vol.3 , no.1 , pp.9-14 , 2014 .
36. Nahmias B.M. Avi and **Islam M. S.** : Available Tidal Records in bangladesh: How Reliable are they for Sea-Level Research ?, *Oriental Geographer* , vol.55 , no.1 & 2 , pp.13-36 , 2014
35. **Islam, M.S.** and Islam, M (2015) Land-Ocean Interface and the Existence of Late-Holocene Mangrove Forest in the Aerial *Beel* Area of Bangladesh, *The Journal of NOAMI*, 31 (1&2) 27-44
34. Debnath, P and **Islam, M.S.** (2015) Environment of Naturally formed Lakes in the Hill Districts of Bangladesh: A Comparative Analysis of Bogalake and Pukurpara lake, *Bhuguo-O-Poribesh Journal (in Bengali)*, 9, 30-52
33. **Islam, M.S.** and Islam, M (2014) Geomorphological Evolution of Aerial Beel of Dhaka District, *Bhuguo-O-Poribesh Journal (in Bengali)*, 8, 1-14

32. Paul, A. and **Islam, M.S.** (2013) Analysis of Location, Carrying Capacity and Utility Analysis of Cyclone Shelter Center in the Coastal Belt of Bangladesh: The Case of Kutubdia Island, *Dhaka University Journal of Earth and Environmental Sciences*, 2 (2), 53-62
31. Sultana. N., **Islam, M.S.**, Hoque, A. and Murshed, M (2013) Micromorphological and Sedimentological Characteristics of Salt pans in Chittagong Coastal Plain, *The Journal of NOAMI*, 30 (1&2), 47-61 (Published in 2014).
30. **Islam, M.S.** and Islam, M.T (2013) Morpho-ecological Characteristics of Sand Dunes Along the Coastal Belt of Bangladesh, *Oriental Geographer*, 54, 23-41
29. **Islam, M.S.** and Aketer, N. (2012) Geomorphological Classification of Chittagong City Coast, *The Journal of NOAMI*, 29 (2), 29-46 (Published in 2013)
28. Nahmias B.M. A., **Islam, M.S.** (2011) Available Tidal Records in Bangladesh- How Reliable are They for Sea-Level Research? *Oriental Geographer*, 55 (1 &2)13-37 (Published in 2014).
27. Hoque, A., **Islam, M.S.** and Paul, A (2011) Geomorphological Evolution of Kuakata Coastal Plain in Bangladesh, *Oriental Geographer*, 52, 11-25.
26. **Islam, M.S.** and Sultana, T (2011) Holocene Geomorphic Evolution of the Matamuhuri Delta in Bangladesh, *Oriental Geographer*, 51 1-22
25. Paul, B.K., Rashid, H., **Islam, M.S.**, and Hunt, L.M. (2010) Cyclone Evacuation in Bangladesh: Tropical Cyclone Gorky (1991) vs. Sidr (2007); *Environmental Hazard (USA)*, 9, 989-101.
24. **Islam, M.S.** and Rahman, F. (2010) Delineation of Estuarine Environmental Gradient: The Case of Chittagong Coast, *Journal of BNGA*, 36, 1&2, 1-14.
23. **Islam, M.S.** (2010) Geomorphological Control of Urban Land Development and Geo-environmental Settings in Chittagong City, Bangladesh, *Plan Plus*, 5, 1-11.
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5. **Islam, M.S.** (1998) Sea-level Changes and Research Methodology with Special Reference to the Recent Geological Past, *Jour. Bang. Nat. Geo. Asso.* 20, 1&2, 1-18.
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3. **Islam. M.S** (1991) বরেন্দ্র অঞ্চলের ভূ-প্রকৃতি ও নদী পরিবাহ ব্যবস্থা, ভূগোল পত্রিকা (Bhugul Patrica), 10, 1, 5-10
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PUBLISHED IN CONFERENCE PROCEEDINGS

7. **M. Shahidul Islam** "World Habitat Day 2011: Urbanization and Climate Change (In Bangla)." Proceedings of the World Habitat Day 2011 , pp. 1-5. Dhaka: Ministry of Housing and Public Works, 2011 .
6. **M. Shahidul Islam** "New Challenges of Cyclone Disaster Management in Bangladesh: Lesson from Super Cyclone SIRD." Umitsu. M (ed) Proceedings of the International Seminar on Coastal Disaster in Asian Countries, Nagoya, Japan. , pp. 57-67. Nagoya, Japan: Dept. of Geography, Nagoya University, 2009 .
5. **M. Shahidul Islam** and Alak Paul ". ,Mangrove Restoration and Biodiversity at Chakoria Sundarbans in Bangladesh: A Geo-environmental Assessment." Sixth Annual Conference of SCVASU, Chittagong , pp. 139-150. Chittagong: CVASU, 2008 .
4. **M. Shahidul Islam** "Mid-Holocene Human Occupancy in Bangladesh: Pollen and Charcoal Evidence from Khulna Region." In K. Anupama, and Hema Achyuthan (ed) Late Quaternary Environmental Change: Emerging Issues, Proceedings of the International PAGES workshop , Pondicherry, India, ISSN-0971-3107 , pp. 14-20. Pondecherry: Institute Francais de Pondecherry, 2003 .
3. **M. Shahidul Islam** "Planned City Chittagong: A Geographical Approach." Proceedings of the Seminar on Chittagong: Planned Urbanization , pp. 39-41. Chittagong: Fourum for Planned Chittagong (FPC), 2000 .
2. **M. Shahidul Islam** "Use of Peat Layers as Natural Archive and Reconstruction of the Holocene Vegetation History of Bangladesh." in L. Rochfort and J.-Y. Daigle (Eds) Sustaining Our Peatlands; Proceedings of 11th Intr Congress ISBN 95197744-4-0, 29-35. , pp. 29-35. Quebec, Canada: International Peat Society (IPS), 2000 .
1. **M. Shahidul Islam** "Mid-Holocene Environmental and Vegetational Changes in the Coastal Region of Bangladesh." In: Staurt J McLelland, Andrew R , Skellern, and Philip R Porter (eds) Postgraduate Research in Geomorphology, Selected Paper from the 17th BGRG Postgraduate Symposium , pp. 14-20. Leeds, UK: School of Geography, University of Leeds, 1995 .

ADVISORY SERVICE / CONSULTANCY

International:

1. **Myanmar Climate Change Capacity Building Strategy and Action Plan (August 2015-June 2016):** Worker as an International Consultant. Major responsibilities were development of methodology, conduct survey at different States of Myanmar on Climate change issues, data analysis and co-author of the final report. The project was funded by

UNEP, Thailand.

National:

- 1. Evaluation of Disaster Risk Reduction Through Alternative Livelihood Approach (DRRALA) in Patuakhali Districts (February 2019-April 2019):** Worked as a Disaster Specialist. Major responsibilities were to collect field data, data filtering, data analysis, and interpretation. The Project was funded by World Concern.
- 2. Capturing the Lessons from Digital Weather Board as an Effective Early Warning System (July 2018-October 2018):** Worked as a Technical Consultant, Major responsibilities were to collect field data, data filtering, data analysis, and interpretation. The Project was funded by Practical Action Bangladesh
- 3. Study on Knowledge, Attitude and Practice of Six Unions in Patuakhali Under Disaster Risk Reduction through Alternative Livelihood Approach (DRRALA) (March 2017-May 2017):** Worked as a Disaster and Climate Change Expert. The project was funded by World Concern.
- 4. Mid-tern Evaluation of Community Based Disaster Risk Reduction (CBDRR) in 4 Vulnerable Communities of Pabna and Sirajganj Districts (March 2016-May 2016):** Worked as an Environmentalist. The Project was funded by Bangladesh Red Crescent Society
- 5. Cost Benefits Analysis of Flood Early Warning System –Practices, Challenges and Prospects of Bangladesh (November 2016-February 2017)** Worked as Data Analysis Specialist. The Project was funded by Practical Action Bangladesh
- 6. Scoping Study of Resilience Program (WASH, Food Security and Income Generation) in Different Geographical Locations Bangladesh (August 2017-October 2017):** Worked as Data Analysis Specialist. Major responsibilities were to collect field data, data filtering, data analysis, and interpretation. The Project was funded by Bangladesh Red Crescent Society and Swedish Red Cross Society.
- 7. Suitability Analysis of a Proposed Land on the Bank of Dharla River of Lalmonirhat District for the Construction of a 50MW Solar Power Plant (December 2016-January 2017)** Worked as Team Leader. Major responsibilities were design the project, developed methodology, conduct and coordinate the field survey, analysis of data, and report writing. This was a consultancy service for Rangs Bangladesh Ltd.
- 8. Pollution of Kaptai Lake and Impact of Climate Change (October 2009-December 2009):** Worked as principal investigator. Major responsibilities were preparation of survey plan, conduct and coordinate field survey, analysis of field data, organize seminar and report writing. Funded by Community Development Centre (CODEC), Chittagong.
- 9. Identification of Open Spaces in a Specific Ward of DNCC (Ward-2 in Mirpur Area) and Vulnerability Assessment of Evacuation Route Using GIS Techniques: (December 2015-February 2016)** Worked as Team Leader. Major responsibilities were design the project, developed methodology; coordinate the field survey, analysis of data, and report writing. The project was funded by Islamic Relief Bangladesh.
- 10. Development of Annual Report 2013 on Disaster Response and Recovery (May**

2014-August 2014): Worked as a data analyst and report writer. Major responsibilities were to collect information of events of natural hazards in 2013, analysis of data and compiling, drafting and editing the report.

11.Preparation of Multi-hazard Vulnerability Atlas for Narayangang City Corporation-Phase-2 (newly added wards) (November 2014-May 2015): Worked as Principal Investigator Major responsibilities were design the project, developed methodology, coordinate the field survey, analysis of data, organizing seminars and report writing. The project was funded by UNDP

12.Preparation of Master Plan under District Town Infrastructure Development Project (DTIDP) (July 2010-December 2010): Worked as an Environmental Expert. Major tasks were to address the environmental issues due to physical development plan in five coastal district towns: Satkhira, Bagerhat, Barguna, Patuakhali and Pirojpur. For LGDG, GoB. Implemented by Sheltech Consultants (PVT) Ltd.

13. Preparation of Development Plan for Cox's Bazar Town and Sea Beach upto Teknaf (December 2010-June 2011): Worked as an Environmental Expert. Major tasks were to evaluate the environmental issues due to physical development plan in the above study area. The project was supported by UDD, Ministry of Housing and Public Works, Govt. of Bangladesh. Implemented by Sheltech Consultants (PVT) Ltd.

14.Citizen Friendly Earthquake Vulnerability Atlas of CCC Area (Phase -II) (May 2007-October 2008): Worked as Principal Investigator in a project on the *preparation of Citizen Friendly EQ Vulnerability Atlas of 23 selected Wards of CCC area*, based on plot to plot morphological and structural information. The project was funded by DIPECHO (Phase-2) and implemented by ActionAid Bangladesh.

14. Chittagong city Earthquake Vulnerability Atlas (Phase -I) (January 2006-December 2006) Worked as Principal Investigator in a project on the *preparation of Earthquake Vulnerability Atlas of Chittagong City Corporation (CCC) area*. The aim of this project was to prepare the vulnerable locations of all 41 wards of CCC area, based on grid wise infrastructural information. GIS techniques had been applied. The project was funded by DIPECHO and implemented by ActionAid Bangladesh.

15.External Evaluation Report of the Project on Awareness Campaign Project on Asbestos in Ship Breaking Industry (June 2008-August 2008): Worked as Principal Investigator. Major responsibilities were to evaluate the achievement of awareness program on health issues related to asbestos and exposure and worker right in ship breaking

16. Chittagong Hill Tracts Improved Natural Resources Management (CHARM) (February 2006-November 2006): Worked as an environmental consultant in the CHARM project. My assessment was to review all environmental policies related to the CHT area. The project was funded by EU and implemented by ISRIC (the Netherlands), Univ. of Lleida, (Spain), CEGIS and BCAS (Bangladesh).

17. Slums of Urban Bangladesh (February 2004-May 2005): Worked as a Coordinator for Chittagong city in a project on *Mapping Slums of six Metropolitan cities of Bangladesh*. The project was funded by USAID and implemented by University of North Carolina, USA and CUS, Bangladesh.

18. Khulna City Master Plan (February 2000-March 2000): Worked as a consultant (short term) in a project on the *preparation of Khulna City Master Plan*. My main assignment was to evaluate the morphological, sub-surface geological, and physical environmental conditions of Khulna Metropolitan Area. The project was funded by Govt. of Bangladesh and implemented by Sheltech, Bangladesh

AWARDS

National Awards

- i. Have received the '**CHANCELLOR'S AWARD**' for securing the first class first positions both in B.Sc. and M. Sc. Examinations.
- ii. Have received '**THE BEST PAPER AWARD**' for the paper presented in 20th BAAS (Bangladesh Association for Advancement of Sciences) conference on '*Evidence of Coastal Environmental Changes of Bangladesh During the Holocene: A Case of Patuakhali*, held in BUET, Dhaka, 28-30 November, 1998.

International Awards

- i. Have been awarded for the '**COMMONWEALTH SCHOLARSHIP**, as full support for Ph.D. Program from 1992 to 1995 period.
- ii. Have been awarded a **VISITING FELLOWSHIP** and **MEMBER OF SENIOR COMMON ROOM*** by University College, University of Durham, UK. (* for the first time such honour for any Bangladeshi in the history of the College)
- iii. Have received '**THE BEST PAPER AWARD**' for the paper presented in an International Seminar on '*Sea-level Variations*', held in Tamil University, India.
- iv. Have been awarded for the **IPS (INTERNATIONAL PEAT SOCIETY) FELLOWSHIP** as support to participate the International Wetland Congress in Canada, August, 2000

- v. Have been awarded for the **IGU (INTERNATIONAL GEOGRAPHICAL UNION) FELLOWSHIP** as support to participate the 29th IGU Congress in Korea, August, 2000
- vi. Have been awarded for the **INQUA GRANT** as support to participate the Maldives Expedition, October, 2000.
- vii. Have been awarded for the **RCJ (RAMSAR CENTER JAPAN) FELLOWSHIP** as support to participate the Asian Wetland Symposium-2001 in Malaysia, 2001)
- viii. Have been awarded for the **NSF (NATIONAL SCIENCE FOUNDATION), USA FELLOWSHIP** as support to participate the IODP meeting
- ix. Have been awarded for the **AAG (ASSOCIATION OF AMERICAN GEOGRAPHERS) FELLOWSHIP** as support to participate the AAG meeting
- x. Have been awarded for the **PAGES (PAST GLOBAL CHANGE) FELLOWSHIP** as support to participate the EILQUEC & POLTRAIN workshop, Pondichery, India, February, 2003
- xi. Have been awarded for the **GSI (GEOLOGICAL SOCIETY OF INDIA), FELLOWSHIP** as support to participate the workshop organized by GSI, Bangalore, India, May, 2004.

INTERNATIONAL ACADEMIC VISIT

- i. JAPAN (Three times)
- iii. INDONESIA
- v. UK (Four times.)
- vii. MALAYSIA
- ix. HONGKONG
- xi. The NETHERLANDS
- xiii. SRILANKA
- xv. MYANMAR (5 Times)

- ii. THAILAND (Four times)
- iv. INDIA (10 times)
- vi. The MALDIVES (Two times)
- viii. KOREA
- x. CANADA
- xii. GERMANY
- xiv. NEPAL (3 times)

REFEREES

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2. Professor Dr. K. Maudood Elahi

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M. S. Islam

14 September, 2024

(M. Shahidul Islam)