CURRICULUM VITAE

Biography of Dr. Md. Ahosan Habib

Dr. Md. Ahosan Habib is a geologist and environmental scientist serving as Director (Geology) at the Geological Survey of Bangladesh (GSB) under the Ministry of Power, Energy, and Mineral Resources, Government of the People's Republic of Bangladesh. He specializes in environmental geochemistry, radiochemistry, energy-environment interactions, pollution assessment, and sustainable resource management. He holds a Ph.D. in Sustainable Energy Management from Prince of Songkla University, Thailand, and earlier earned his B.Sc. and M.Sc. in Geology and Mining from the University of Rajshahi (Bangladesh). Dr. Habib has authored 50+ peer-reviewed papers, several book chapters with Elsevier and Springer, and numerous national geological reports. Throughout his career at GSB, he has contributed to key national initiatives related to geological mapping, environmental monitoring, coastal hazards, Quaternary geology, sedimentology, and mineral resource assessment. His expertise bridges the interface of energy production, environmental contamination, and public health, with specialized skills in pollution analysis, radionuclide assessment, sediment and soil geochemistry, hydrogeochemistry, and sustainable waste management.

He has received prestigious awards including the PSU International Postdoctoral Fellowship (2022) and the TEH-AC Scholarship. He is an active member of several professional societies and serves as an external thesis examiner. Dr. Habib continues to contribute significantly to Bangladesh's geological research and environmental sustainability initiatives.

PERSIONAL DETAILS

Name	**:**	**MD AHOSAN HABIB**
Sex	**:**	**Male**
Nationality	**:**	**Bangladesh**
Passport no.	**:**	**BG0025323**
Date of birth		**12-01-1979**

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PROFESSIONAL INFORMATION

Period	Position
Nov 2025	Director (Geology) GSB; Ministry of Power, Energy, and Minerals Resources; Government of the People's Republic of Bangladesh

2015-2025	Deputy Director (Geology), GSB; Ministry of Power, Energy, and Minerals Resources; Government of the People's Republic of Bangladesh
2005-2014	Assistant Director, GSB; Ministry of Power, Energy, and Minerals Resources; People's Republic of Bangladesh

RESARCH INTERESTS/EXPERTISE

Energy and environment; Geological and Geo-environmental sciences, Environmental chemistry & radiochemistry, sustainable waste management, recycling, utilization, Pollution & Risk assessment

PERSONALE KEYWORDS

Coal, ash, soil, sediment, sand, rock, and water chemistry

Examiner

Thesis Examiner (external)

ACADEMIC BACKGROUND

Period	Title
2016-2019	Doctor of Philosophy in Sustainable Energy Management, Faculty of Environmental Science, Prince of Songkla University, Thailand **Thesis:** Potential Impact of Bituminous Coal-based Subcritical Thermal Power Plant on the Soil Resources of Barapukuria Area, Dinajpur, Bangladesh
2003-2004	Master of Science in Geology and Mining, University of Rajshahi, Bangladesh **Thesis:** Interpretation of seismic and Well Log data: A case study of Rashidpur structure, Bengal Basin, Bangladesh
1999-2002	Bachelor of Science in Geology and Mining, University of Rajshahi, Bangladesh **Project:** Palaeoenvironment of Deposition of the Miocene Sedimentary Sequence in the Well BK-9 of the Morichakandi structure, Narshingdi, Bangladesh

PUBLICATION

BOOK CHAPTER

1. Rahat Khan, S.M.A.H., Hossain, M.N., Jolly Sultana, M.A.B.S., Islam, M.A., Naher, K., ***Habib, M.A.,*** Rashid, M.B., Afrin, S., Idris, A.M., Chowdhury, M.S. and Rahman, M.M., 2024. Distribution of elemental abundances in a coastal river (Bangladesh): Pollution status and ecological risks. In Spatial Modeling of Environmental Pollution and Ecological Risk (pp. 331-357). Woodhead Publishing.
2. Hossain, M.J., Salman, H.M., Ahmed, S.I., Monir, M.U., Techato, K., Chowdhury, S., Habib, M.A. and Phoungthong, K., 2023. Separation and purification apparatus safety:

separators, trays, towers, etc. Crises in Oil, Gas and Petrochemical Industries: Loss Prevention and Disaster Management, p.177.

3. Khan, R., Haydar, M.A., Saha, S., Karim, M.M., **Habib, M.A.,** Rashid, M.B., & Paul, D., 2022. Spatial Distribution and Radiological Risk Quantification of Natural Radioisotopes in the St. Martin's Island, Bangladesh (**Chapter 15)**. Environ Sci Eng, Pravat Kumar Shit et al. (Eds.): Soil Health and Environmental Sustainability. (In Press) Springer Nature.
4. Monir, M. U., Aziz, A. A., Yousuf, A., **Habib, M.A.** Techato, K., & Phoungthong, K. 2022. Simulation of cyclone separator for particulate removal from syngas (**Chapter 8**). In M. R. Rahimpour, M. A. Makarem, & M. Meshksar (Eds.), Advances in Synthesis Gas: Methods, Technologies and Applications (Elsevier), pp. 219-240.
5. Monir, M. U., Aziz, A. A., Vo, D.-V. N., Ahmed, M. T., Islam, A., **Habib, M.A.** et al., 2021. Clean and sustainable biofuels through syngas fermentation: Challenges and opportunities (**Chapter 10**). In S. Nanda & D.-V. N. Vo (Eds.), Innovations in Thermochemical Technologies for Biofuel Processing: Elsevier. (Accepted, In press).
6. **Habib, M.A.** & Khan R., 2021. Environmental Impacts of Coal-Mining and Coal-Fired Power-Plant Activities in a Developing Country with Global Context (**Chapter 24**). In: Shit P.K., Adhikary P.P., Sengupta D. (Eds.) Spatial Modeling and Assessment of Environmental Contaminants (pp. 421-493). Environmental Challenges and Solutions. Springer, Cham. https://doi.org/10.1007/978-3-030-63422-3_24.

PAPER

No.	List (Write in Reference format)
54	Zesha J.H., Mamun M.A., Islam, A.R.M.T., Habib, M.A., Khan, R., 2026. First probabilistic radiological risk appraisal of Bay of Bengal beach sands: Explicit spatial hot-spot analysis. Marine Pollution Bulletin 223 (2026) 118966.
53	Khan, R., Akhi, S.Z., Khan, M.H.R., Sultana, S., Aldawood, S., Basir, M.S., Parvez, M.S., Naher, K., Habib, M.A., Idris, A.M. and Roy, D.K., 2025. Comparison of environmental radioactivity in road dust between a city and a megacity: geo-environmental evaluation, health risks, and potential remediation. Environmental Toxicology and Chemistry, p.vgae027.
52	Begum, M., Toma, F.T.Z., Rashid, M.B., Habib, M.A., Ullah, S.M., Khan, R., Hossain, S.M. and Al-Mamun, S.M., 2025. Integrated Mineralogical and Microstructural Analysis of Gas Field Samples in Bangladesh: Optimizing Extraction Strategies for Salda and Shahbazpur Reservoirs. Journal of Trace Elements and Minerals, p.100268.
51	Rashid, Md Bazlar, Md Rubel Sheik, AJM Emdadul Haque, Md Ahosan Habib, and Kamrul Ahsan. "Drinking Water Insecurity in the Coastal Parts of Mirsharai, Sonagazi and Companiganj Areas of Bangladesh: Water Quality Analysis: Drinking Water Insecurity in the Coastal Parts of Mirsharai, Sonagazi and Companiganj Areas of Bangladesh: Water Quality Analysis." International Journal of Economic and Environmental Geology 16, no. 2 (2025): 1-11.
50	Hossain, M.S., Ferdushy, T., Klanti, M.M., Bithi, U.H., Akbor, M.A., Akter, S., Hasan, M., Khan, R., Islam, A.R.M.T., Billah, M.M. and Rashid, M.B., 2025. Spatio-temporal variations of tanning industries induced river water quality in a developing country: entropy-based water quality, pollution source tracing, and health risk appraisals. Urban Water Journal, pp.1-26.
49	Rashid, M.B., Sheikh, M.R., Haque, A.E., Patwary, M.A.A., Habib, M.A., et al., 2025 2025. Beach morphology, textural variation and erosion along the south-eastern coastal segment in Cox's Bazar-Teknaf, Bangladesh. Journal of Sea Research, 205, p.102579.
48	Islam, A.R.M.T., Habib, M.A., et al., 2025. Unraveling the nexus of natural radioactivity and radio-ecotoxicological effects in Bengal Basin: Recent findings and way forwards. Environmental Geochemistry and Health (Accepted, in press).

47	Khan, R., Habib, M.A., et al., 2025. Distribution, sources and risks of Environmental radioactivity in differential environmental components: Experimental findings with potential environmental management approaches. Water, Air, and Soil Pollution (Accepted, in press).
46	Khan, R., Habib, M.A., et al., 2025. Monitoring and Health risks assessment of Primordial radionuclides in vegetables and agricultural soils in some hilly regions of south-eastern Bangladesh. Archives of Environmental Contamination and Toxicology (Accepted, in press).
45	Kawsaruzzaman, Habib, M.A. et al., 2025. Potentially Toxic Elemental Dispersion from the Brick Kilns: Preliminary Exploration of Mechanistic Pathways. Archives of Environmental Contamination and Toxicology, 88(4), pp.452-476.
44	Akash, F.A., Shovon, S.M., Rahman, M.A., Rahman, W., Chakraborty, P., Haque, M.N., Monir, M.U., Habib, M.A., Biswas, A.K., Chowdhury, S. and Khan, M.F.H., 2024. Innovative Pathways to Sustainable Energy: Advancements in Clean Coal Technologies in Bangladesh-A review. Cleaner Engineering and Technology, p.100805.
43	Munim, M., Khan, R., Kawsaruzzaman, M., Naher, K., Tamim, U., Idris, A.M., Khan, M.H.R., Aldawood, S., Saadat, A.H.M. and Habib, M.A., 2024. Radionuclides' Dispersion from Coal-Fired Brick Kilns: Geo-Environmental Processes, Potential Risks and Management. *Archives of Environmental Contamination and Toxicology*, pp.1-23.
42	Rashid, M.B., **Habib, M.A.,** Sultan-Ul-Islam, M., Khan, R. and Islam, A.R.M.T., 2024. Synthesis of drainage characteristics, water resources and sediment supply of the Bengal basin. Quaternary Science Advances, p.100244.
41	Akhi, S.Z., Khan, R., Basir, M.S., **Habib, M.A.,** Islam, M.A., Naher, K., Idris, A.M., Khan, M.H.R., Aldawood, S. and Roy, D.K., 2024. Exploring the alteration of environmental radioactivity in terms of compositional elements of heavy minerals in an anthropogenically affected urban river: Radiological and ecological risks assessment. Marine Pollution Bulletin, 206, p.116694.
40	Monir, M.U., Prasetya, T.A.E., Abd Aziz, A., Yousuf, A., Chowdhury, S., **Habib, M.A.,** Hossen, M.A. and Solayman, H.M., 2024. Hybrid pathway of bio-ethanol production employing empty fruit bunches co-gasified with charcoal and mixed culture fermentation: Optimization using response surface methodology. Biofuels, pp.1-11. https://doi.org/10.1080/17597269.2024.2371240
39	Monir, M.U., Habib, M.A., et al. 2024. Assessing the environmental impact of bituminous coal from Barapukuria Coal Mine: thermogravimetric, microstructural, and morphological characterization for energy production implications. *Journal of Thermal Analysis and Calorimetry*, pp.1-17.
38	Monir, M.U., Shovon, S.M., Akash, F.A., Habib, M.A., Techato, K., Abd Aziz, A., Chowdhury, S. and Prasetya, T.A.E., 2024. Comprehensive characterization and kinetic analysis of coconut shell thermal degradation: Energy potential evaluated via the Coats-Redfern method. *Case Studies in Thermal Engineering*, p.104186.
37	Habib, M.A., Akhi, S.Z., Khan, R., Phoungthong, K., Basir, M.S., Anik, A.H., Islam, A.T. and Idris, A.M., 2024. Elevated levels of environmental radioactivity in fluvial sediment: origin and health risk assessment. Environmental Science: Processes & Impacts, 26(3), pp.555-581.
36	Khan, R., Habib, M.A., Tamim, U., Kormoker, T., Khan, M.H.R., Rashid, M.B., Idris, A.M., Aldawood, S., Hossain, S.M. and Islam, M.S., 2024. Fractionation of environmental radioactivity in road dust from a megacity: external and internal health risks. *Environmental Science and Pollution Research*, pp.1-20.
35	Habib, M.A., Islam, A.R.M.T., Varol, M., Phoungthong, K., Khan, R., Islam, M.S., Hasanuzzaman, M., Mia, M.Y., Costache, R. and Pal, S.C., 2023. Receptor model-based source-specific health risks of toxic metal (loid) s in coal basin-induced agricultural soil in northwest Bangladesh. *Environmental Geochemistry and Health*, pp.1-26.
34	Khan, R., Siddique, M.A.B., Chowdhury, Y.F., Ahmed, M.N., Ullah, A.A., Khan, M.H.R., Islam, A.R.M.T., Habib, M.A., Khan, A.H.A.N., Aldawood, S. and Idris, A.M., 2023. Fluvial responses towards the tannery effluent: Tracing the anthropogenic foot-prints. *Environmental Pollution*, p.122673.
33	Rashid, M.B., Sheikh, M.R., Haque, A.E., Patwary, M.A.A., Siddique, M.A.B., Habib, M.A. and Sarker, M.N., 2023. Consequences of catastrophic cyclone Amphan in the human-induced coastal plain ecosystems of Bangladesh. *Case Studies in Chemical and Environmental Engineering*, p.100467.
32	Biswas A. K., Islam M. R., and **Habib, M.A.,** 2023. An analytical investigation of critical factors to prioritize coalfields for Underground Coal Gasification – Bangladesh case. **Heliyon *(accepted)*.**
31	Rashid, M.B., Siddique, M.A.B., Khan, R., Islam, M.S., Sheik, M.R., Haque, A.E., **Habib, M.A.,** et al. 2023. Human exposures to multiple water sources in the southwestern coastal region of Bangladesh: water quality, pollution sources, and preliminary health risks appraisals. ***Environmental Science and Pollution Research.***
30	Islam, A.R.M.T., Jion, M.M.M.F., Jannat, J.N., Varol, M., Islam, M.A., Khan, R., Idris, A.M., Malafaia, G. and **Habib, M.A.,** 2023. Perception and legacy of soil chromium and lead contamination in an operational small-scale coal mining community. ***Environmental Geochemistry and Health***, pp.1-17.

29	Islam, A.R.M.T., Varol M., **Habib, M.A.,** Khan, R., **2023.** Risk assessment and source apportionment for metals in sediments of Kaptai Lake in Bangladesh using individual and synergistic indices and a receptor model. ***Marine Pollution Bulletin*** *190 (2023) 114845.*
28	Rashid, M.B., Sheik, M.R., Haque, A.E., Siddique, M.A.B., **Habib, M.A.,** et al. and Patwary, M.A.A., 2023. Salinity-induced change in green vegetation and land use patterns using remote sensing, NDVI, and GIS techniques: A case study on the southwestern coast of Bangladesh. ***Case Studies in Chemical and Environmental Engineering***, p.100314.
27	Rashid, M.B., **Habib, M.A.,** et al., 2023. Tectonic setting, provenance, depositional, and paleo-climatic conditions of the Late Quaternary subcrop sediments of the southeastern coastal region of the Bengal basin. ***Heliyon***, p.e12998.
26	Rashid, B. and **Habib, A.,** 2022. Channel bar Development, Braiding and Bankline Migration of the Brahmaputra-Jamuna River, Bangladesh through RS and GIS techniques. ***International Journal of River Basin Management***, pp.1-45.
25	Majlis, A. B. K., **Habib, M.A.,** et al., 2022. Intrinsic characteristics of coal combustion residues and their environmental impacts: A case study for Bangladesh. ***Fuel***, 324, p.124711.
24	**Habib, M.A.,** Khan, R. & Phoungthong, K., 2022. Evaluation of environmental radioactivity in soils around a coal burning power plant and a coal mining area in Barapukuria, Bangladesh: Radiological risks assessment. ***Chemical Geology***, *600*, p.120865.
23	Khan, R., H.M. Touhidul Islam, Md. Adnan Sarker Apon, Islam, A.R.M.T., **Habib, M.A.,** et al., 2022. Environmental geochemistry of higher radioactivity in a Transboundary Himalayan River sediment: Potential radiation exposure and health risks" : ***Environmental Science and Pollution Research*** , 29(38), pp.57357-57375
22	Md. Saiful Islam, Abubakr M. Idris, Khamphe Phoungthong, Kawser Ahmed, **Habib, M.A.,** & Ramal Ahmed 2021. Geochemical speciation and bioaccumulation of trace elements in different tissues of pumpkin in the abandoned soils: Health hazard perspective in a developing country. ***Toxin Reviews (accepted)*** *41*(4), pp.1124-1138.
21	Siddique, M.A.B., Khan, R., Islam, A.R.M.T., Alam, M.K., Islam, M.S., Hossain, M.S., **Habib, M.A.,** et al., 2021. Quality assessment of freshwaters from a coastal city of southern Bangladesh: Irrigation feasibility and preliminary health risks appraisal. ***Environmental Nanotechnology, Monitoring & Management***, 16, 100524. (https://doi.org/10.1016/j.enmm.2021.100524)
20	Rashid, M.B., **Habib, M.A.,** et al., 2021. Land transform and its consequences due to the route change of the Brahmaputra River in Bangladesh. *International Journal of River Basin Management*, (https://doi.org/10.1080/15715124.2021.1938095)
19	Begum, M., Khan, R., Roy, D.K., **Habib, M.A.,** et al., 2021. Geochemical characterization of Miocene core sediments from Shahbazpurgas-wells (Bangladesh) in terms of elemental abundances by Instrumental Neutron Activation Analysis. *J RadioanalNucl Chem* (https://doi.org/10.1007/s10967-021-07770-4)
18	Islam, A.R.M.T., Hasanuzzaman, M., Islam, H.M.T., Mia, M.U., Khan, R., **Habib, M.A.,** et al., 2020. Quantifying source apportionment, co-occurrence and ecotoxicological risk of metals from up-mid-downstream river segments, Bangladesh. Environmental Toxicology & Chemistry, (https://doi.org/10.1002/etc.4814).
17	Khan, R., Islam, M.S., Tareq, A.R.M., Naher, K., Islam, A.R.M.T., **Habib, M.A.,** et al., 2020. Distribution, sources and ecological risk of trace elements and polycyclic aromatic hydrocarbons in sediments from a polluted urban river in central Bangladesh. *Environmental Nanotechnology, Monitoring and Management*, 14, 100318 (https://doi.org/10.1016/j.enmm.2020.100318)
16	Islam, A.R.M.T., Islam, H.M.T., Mia, M.U., Khan, R., **Habib, M.A.,** et al., 2020. Co-distribution, possible origins, status and potential health risk of trace elements in surface water sources from six major river basin, Bangladesh. *Chemosphere*, (https://doi.org/10.1016/j.chemosphere.2020.126180)
15	**Habib, M.A.,** Islam, A.R.M.T., Bodrud-Doza, M., Mukta, F.A., Khan, R., Siddique, M.A.B., Phoungthong, K., Techato, K., 2020. Simultaneous appraisals of pathway and probable health risk associated with trace metals contamination in groundwater from Barapukuria coal basin, Bangladesh. *Chemosphere*, 242 (https://doi.org/10.1016/j.chemosphere.2019.125183)
14	Khan, R., Das, S., Kabir, S., **Habib, M.A.,** et al., 2019. Evaluation of the elemental distribution in soil samples collected from ship-breaking areas and an adjacent island. *Journal of Environmental Chemical Engineering*, 7, (https://doi.org/10.1016/j.jece.2019.103189)
13	Khan, R., Parvez, M.S., Jolly, Y.N., Haydar, M.A., Alam, M.F., Khatun, M.A., Sarker, M.M.R., **Habib, M.A.,** et al., 2019. Elemental abundances, natural radioactivity and physicochemical records of a southern part of Bangladesh: Implication for assessing the environmental geochemistry. *Environmental*

	Nanotechnology, Monitoring & Management. 12, (https://doi.org/10.1016/j.enmm.2019.100225)
12	**Habib, M.A.,** et al., 2019a. Assessment of natural radioactivity in coals and coal combustion residues from a coal-based thermoelectric plant in Bangladesh: Implications for radiological health hazards. *Environ Monit Assess*, 191, 27, (https://doi.org/10.1007/s10661-018-7160-y).
11	**Habib, M.A.,** et al., 2019b. Distribution of naturally occurring radionuclides in soil around a coal-based power plant and their potential radiological risk assessment. *Radiochim. Acta*, 107(3), 243-259. (https://doi.org/10.1515/ract-2018-3044).
10	Ahsan, K., **Habib, M.A.,** & Alam, M. F., 2019. Quaternary geology of Bhola District, Bangladesh. Records of the Geological Survey of Bangladesh, Dhaka, 15(1). Government of the People's Republic of Bangladesh.
9	Islam, A. R. M.T., Shen, S., Haque, M. A., Bodrud-Doza, M., Maw, K. W., & **Habib, M.A.,** 2017. Assessing groundwater quality and its sustainability in Joypurhat district of Bangladesh using GIS and multivariate statistical approaches. Environment, Development and Sustainability, 20(5). pp.1935-1959.
8	Ahsan, K., **Habib, M.A.,** et al., 2017. Geological Report on Cox's Bazar-Teknaf Coastal Area, Bangladesh. Records of the Geological Survey of Bangladesh, Dhaka, 14(4). Government of the People's Republic of Bangladesh.
7	Islam, A.R.M.T. and Habib, M.A., 2015. Identification of gas sand horizons of the Rashidpur structure, Surma basin, Bangladesh, using 2D seismic interpretation. International Journal of Geophysics, 2015(1), p.840168.
6	Habib, M.A. and Islam, A.R.M.T., 2014. Paleoenvironmental Reconstruction of Miocene Surma Succession in the Rashidpur# 04 Well of Bengal Basin Using Log Facies Interpretation. Iranian Journal of Earth Sciences, 6(1), pp.12-23.
5	Islam, A.R.M.T., Habib, M.A., Islam, M.T. and Mita, M.R., 2013. Interpretation of wireline log data for reservoir characterization of the Rashidpur Gas Field, Bengal Basin, Bangladesh. IOSR Journal of Applied Geology and Geophysics, 1(4), pp.47-54.
4	Rashid, M. B., Mahmud, A., Ahsan, M. K., Khasru, M. H., Ahsan, K., Habib, M. A., Hossain, M. A., Alam, M, F. 2014. Role of Major Rivers for the Development of Ganges-Brahmaputra Delta. International Journal of Economic and Environment Geology (www.econ-environ-geol.org), 5 (1), 25-32,
3	Ahsan, K., Rashid, M. B., Habib, M. A., and Alam, M. F., 2009. The Changing Geometry of the Cox's Bazar-Badarmokam Coast, Bangladesh. Bangladesh Journal of Geology, .26-28, 25-36.
2	Ahsan, K., Habib, M.A. and Alam, M.F., 2013. Mouth bar development processes in the Meghna estuary of Bangladesh-a case study from Bhola Island, Bangladesh Journal of Geology, v.31-32, pp.56-69.
1	Ali, R. M. E., and Habib, M. A., 2005, A short note on Meteorite find at Shingpara village in Thakurgaon District, Bangladesh. Bangladesh Journal of Geology. v. 24, pp 121-124

UNPUBLISHED REPORTS

1. Majlis A. B. K., Khasru M. H., Islam M. A., ***Habib M.A.,*** Rashid M. B., Hossain M. A., & Others, 2016. Geological Report on Chalanbil and Surrounding Area. (Development Program Report). Unpublished report of the Geological Survey of Bangladesh-DATA/UR-856.
2. Ahsan K., ***Habib, M.A.,*** and Alam M. F., 2009. Draft geological field report on Khulna (east) and Bagherhat, Unpublished report of the Geological Survey of Bangladesh-DATA/UR-653.
3. Habib M. A., Seikh M. R., Mahmud Z., and Ahsan K., 2016. The Determination of Terrain Characteristics and Associated Coastal Hazards of the Pekua and Chakaria Upazilas of Cox's Bazer District, Bangladesh. Unpublished report of the Geological Survey of Bangladesh-DATA/UR-814.

4. Rashid M. B., Seikh M. R., Ahsan K., and Habib M.A., 2017. Report on Geological and Geotechnical Characteristics of Mirsharai, Sonagazi and Companiganj Areas, Bangladesh. Unpublished report of the Geological Survey of Bangladesh-DATA/UR-828.
5. Habib M.A., Shamsuzzaman M., and Mahmud Z., 2016. Coastal Geological Mapping of the Proposed Payra Port and adjoining area of Kalapara and Amtali (Part) Upazilas of Patuakhali and Barguna Districts, Bangladesh, Unpublished report of the Geological Survey of Bangladesh-DATA/UR-823.
6. Habib M.A., Talukder A., Md. Mohi Uddin M.M. and Al-Imran M.H., 2023. Geology of Kaptai Upazila of Rangamati District, Bangladesh. GSB/DATA/UR-927. Unpublished report of the Geological Survey of Bangladesh, Dhaka. Government of the People's Republic of Bangladesh.

Details on Funding/Grants

Year and amount (US$)	Title of Research Project	Granting Agency	Responsibility
2020-2021 (4725.9$)	Baseline assessment for geological and environmental impact monitoring in areas of Payra and Rampal thermal power plants Bangladesh	Ministry of Science and Technology	Associate Investigator (AI)

AWARDS and ACHIEVEMENT

1. The **2022** Prince of Songkla University International Postdoctoral Fellowship (Reinventing University Project 2564-2565), PSU and Ministry of Higher Education, Science, Research and Innovation under the Reinventing University Project (Grant Number REV65007)
2. Postdoctoral Fellowship of **Fiscal Year 2021** from Prince of Songkla University, Thailand.
3. The scholarship awards of Thailand's Education Hub for Southern Region of ASEAN Countries (TEH-AC) (Contract No.: THE-AC014/2016), funds for Doctor of Philosophy program from the graduate school, Prince of Songkla University, Hat Yai, Thailand. Graduate school dissertation funding for thesis, Prince of Songkla University, Thailand (2559-2562). Funding 578,000.00 (Five hundred and seventy eight thousand Thai Bath only) = 18543.47 US$.
4. Graduate School Dissertation Funding for thesis, Prince of Songkla University, Thailand for Doctor of Philosophy. Funding 50,000.00 (Fifty thousand Thai Bath only) = 1500.00 US$.

WORKSHOP/SEMINAR/CONFERENCE CONTRIBUTIONS

National

Initiatives in Science Education, Research and Capacity Building, Bangladesh Academy of Science, Dhaka, Bangladesh, September 14-15, 2013.

PROFESSIONAL EXPERIENCE UNDER ANNUAL DEVELOPMENT PROJECT

Fiscal year	Project Title	Source of Funding	Total Budget (US$)
2011-2013	Integrated Geological Mapping of the Chalanbil Area to unveil the Quaternary Records and Climatic Changes	Ministry of Power, Energy, and Minerals Resources, Government of the People's Republic of Bangladesh	500,000.00
2007-2010	Geological Exploration for the Identification of Mineral Resources and the Areas Vulnerable to Natural Hazards in the Coastal Parts of Bangladesh	Ministry of Power, Energy, and Minerals Resources, Government of the People's Republic of Bangladesh	2125,000.00

TRAINING

International

2017	Arc GIS software (10.2 version), Prince of Songkla University, Thailand, Jan-Feb 2017
2015	Coastal Geology and Geohazards (GeoCoast), International School for Geoscience Resource, KIGAM, South Korea, 05-21 Oct 2015
2014	Global Warming Mitigation and Adaptation by Sustainable Energy Management, Thailand, 09-25 July 2014

National

2013	Statistical Package for Professionals, Researchers and Students (SPSS), University of Dhaka, Bangladesh, June-July
2009	Oceanography: Principles and Applications, National Oceanographic and Maritime Institute, Bangladesh, April-June

PROFESSIONAL MEMBERSHIP

1. General Member-Bangladesh Geological Society (no. 695)
2. Life Member-Association of Geoscientists for International Development (AGID)
3. General Member-Bangladesh Earthquake Society

CURRENT RECEIVED SALARY (IF APPLICABLE)

85000.00 (seventy five thousand Bangladeshi taka) = 1005.36 **US$.**

DECLARATION

I hereby declare that all the aforementioned furnished details are true, complete and correct to the best of my knowledge and belief.

2025 (Dr. Md. Ahosan Habib)