Curriculum Vitae

Md. Bodruddoza Mia, PhD

Professor
Department of Geology, Faculty of Earth and Environmental Science,
University of Dhaka, Dhaka-1000, Bangladesh; Tel: 9661920-73, Ex. 7301 (req.).
Cell: +8801818240937; E-mail: bodruddoza@du.ac.bd

Taught Courses in the Dept. of Geology in DU:

Remote Sensing; Introductory GIS; Advanced Remote Sensing and GIS; Environmental Geology; Geostatistics; Natural Hazards, Climate and Environments; Numerical Geological Engineering; Site investigation methodology; Remote Sensing and GIS Lab.; Petrology and Mineralogy lab; Subsurface mapping lab;

Research Interest:

- Remote sensing and GIS for geosciences studies (Hydrological, Landslide, Geo-resources exploration)
- Geo-informatics for climate change studies (Urban heat island, Land use-land cover, Forest Diversity and Ecosystem Management)
- Environmental hazards and disaster (Drought, Soil moisture, deforestation, river erosion etc.)

Education

- **JSPS (Japan Society of Promotional Science) Postdoctoral Fellowship (2016-2018)**
  Department of Earth Resources Engineering, Kyushu University, Japan

- **Doctor of Engineering (PhD in Environmental Systems Engineering) (2013)**
  Department of Earth Resources Engineering, Kyushu University, Japan
  Result: Awarded (with Grade A or Excellent)

  PhD Thesis Title: **'**Geothermal exploration and monitoring based on heat flow and hydrothermal alteration using satellite remote sensing techniques'. Supervisor: Prof. Dr. Yasuhiro Fujimitsu

  PhD Internship (two months): GNS Science, New Zealand. Supervisor: Mr. Chris J Bromley

- **M.S. in Hydrological and Environmental Geology (2002)**
  Department of Geology, University of Dhaka, Dhaka -1000, Bangladesh
  Result: First Class First (69% marks obtained)

M.S Thesis Title: Monitoring surface water distribution and mapping landuse-landcover using satellite imageries within exploration block 7, Bangladesh. Supervisor: Prof. Dr. Khaled Hasan

- **B.Sc (4 years integrated Honors) in Geology (2001)**
  Department of Geology, University of Dhaka, Dhaka -1000, Bangladesh
  Result: First Class First (67% marks obtained)

Work Experiences (Academic and research)

- **30 October, 2019 to till now:**
  Professor**,** Department of Geology, Faculty of Earth and Environmental Science, University of Dhaka, Dhaka-1000, Bangladesh

- **15 March 2020-14 March 2021**
  Principal Investigator, University Grants Commission Project on 'Impact of urbanization on landuse-landcover, land surface temperature and urhab heat island within the northwest Rangpur division in Bangladesh'.

- **September 2022 to March 2025**
  GIS-RS Expert (Part time), Hydrogeological study in Cox's Bazar and Bhasanchar Island, UNICEF-Dhaka University Project

- **May 2019 to August 2022**
  GIS-RS Expert (part time), Hydrogeological zone mapping project in and around Rohiynga Camps, Cox's Bazar, UNICEF-Dhaka University Project.

- **July 13, 2015 to 29 October, 2019:**
  Associate Professor**,** Department of Geology, Faculty of Earth and Environmental Science, University of Dhaka, Dhaka-1000, Bangladesh

- **November 10, 2013 to July 12, 2015:**
  Assistant Professor, Department of Geology, Faculty of Earth and Environmental Science, University of Dhaka, Dhaka-1000, Bangladesh

- **July 01, 2010 to November 09, 2013:**
  Lecturer, Department of Geology, Faculty of Earth and Environmental Science University of Dhaka, Dhaka-1000, Bangladesh

- **October 2007 to June 2010:**
  Lecturer, Dept. of Petroleum and Mining Engineering, Shahjalal University of Science & Technology, Sylhet, Bangladesh

- **April 2007 to March 2008:**
  GIS Specialist (Part time), Mapping on water supply technology under GOB-UNICEF project in DHPE groundwater Circle, Dhaka.

- **July 2006 to October 2007:**
  Junior Consultant (Hydrogeologist), Deep Aquifer Database Development and Preliminary deep aquifer mapping Project, DPHE-JICA (Japan International Cooperation Agency) Program" DPHE Bhaban, Kakarail, Dhaka, Bangladesh
- **February 13, 2006 to June 30, 2006:**
  Instructor, Department of Mining and Mine Survey, Bogra Polytechnique Institute, Bogra.

- **March 2004 to May 2004:**
  Surveyor, 3D Seismic survey in Tengratila-Chatok Gas Block, Sunamganj using RTK GPS, PGS (Petroleum Geo Service) Onshore Inc. Ltd, under NIKO Resources Ltd, Bangladesh.

Work experiences (Administrative)

- **January 2021 to April 2025:** Director, Geology Entity, Institutional Quality Assurance Cell, Dhaka University
- **January 28, 2015 to September 16, 2016**
  Assistant House Tutor, Amar Ekushey Hall, University of Dhaka, Dhaka-1000
- Editorial Board Member, Dhaka University Journal of Earth and Environmental Science

Book Chapter:

1. Saibi, H., Bersi, M., **Mia, M. B**., Saadi, N. and Bloushi K. M. S. A., 2018. Applications of Remote Sensing in Geosciences: In "Recent Advances and Applications in Remote Sensing", pp. 181-203, ISBN 978-953-51-5564-5., DOI: 10.5772/intechopen.75995, IntechOpen. Dr. Ming Hung (Ed.)
2. Aftab Alam Khan, Md. Bodruddoza Mia, Mohammad Feroj Alam and Md. Yousuf Gazi "Impacts of geohazards in Bangladesh and options for mitigation." Geology for Sustainable Development. University of Dhaka, 2022 187-242 .

Journals Published (Citation number ≈ 900)

3. Mubtasim Ishraq Antoo, **Md. Bodruddoza Mia***, Md. Asif Hasan, Mahfuzur Rahman Khan, Pavel Khan, Tareq Chowdury, Anupom Hasib Rose and Kazi Matin Uddin Ahmed: Spatiotemporal dynamics of geomorphology, landuse, and storm surge inundation of FDMN settled in Bhasan Char island using geo-spatial techniques, Helyon (impact factor:3.4) , vol.10 CELL PRESS, ELSEVIER , pp.1-18 , 2024 .

4. Mahmud Al Noor Tushar, Arman Hossain, Mukter Hossen, Md Ezaz Ahmed and **Md Bodruddoza Mia*** : Spatiotemporal Assessment of Water Quality and Quantity of the Kaptai Lake at Rangamati, Bangladesh - An Approach of Remote Sensing, Field Investigation and Laboratory Analysis, The Dhaka University Journal of Earth and Environmental Sciences , vol.13 , no.1 , pp.121-139 , 2024 .

5. Apu, S.I., Sharmili, N., Gazi, M.Y., **Mia M.B**., Sifa, S.F. Remote Sensing and GIS-Based Landslide Susceptibility Mapping in a Hilly District of Bangladesh: A Comparison of Different Geospatial Models. *J Indian Soc Remote Sens* (2024). https://doi.org/10.1007/s12524-024-01988-x

6. Md. Mahin Uddin, **Md. Bodruddoza Mia**, Md. Yousuf Gazi and ASM Maksud Kamal : Quantification of landuse changes driven by the dynamics of the Jamuna River, a giant tropical river of Bangladesh, The Egyptian Journal of Remote Sensing and Space Sciences (impact factor:4.4) , vol.27 , no.2 Elsevier , pp.392-402 , 2024 .

7. Md. Asif Hasan, **Md. Bodruddoza Mia**, Md. Mahfuzur Rahman Khan, Md. Jahangir Alam, Tareq Chowdury, Md. Al Amin and Kazi Matin Uddin Ahmed : Temporal Changes in Land Cover, Land Surface Temperature, Soil Moisture, and Evapotranspiration Using Remote Sensing Techniques—a Case Study of Kutupalong Rohingya Refugee Camp in Bangladesh, Journal of Geovisualization and Spatial Analysis (impact factor:4.38) , vol.7 , no.11 Springer Nature , pp.1-22 , 2023 .

8. Sadeak S., Amin M. A., Chowdhury T., **Mia M. B**., Alam M. J., Ahmed K. M. and Khan M. R : Comparison of the groundwater recharge estimations of the highly exploited aquifers in Bangladesh and their sustainability, Groundwater for Sustainable Development (impact factor:7.9 (Cite Score)) , vol.20 ELSEVIER , pp.100896 , 2023 .

9. Fatima Nur Nabila, **Md. Bodruddoza Mia**, Md Yousuf Gazi, Md Mahin Uddin, Md Nahid Al Montakim and Md Mahfuz Alam : Assessment of Water Quality and Quantity in the Lakes of Dhaka Metropolitan City - Remote Sensing, Field and Laboratory Analyses, The Dhaka University Journal of Earth and Environmental Sciences , vol.11 , no.1 Dhaka University , pp.27-42 , 2023 .
10. A.S.M. Maksud Kamal, Md. Nahid Al-Montakim, Md. Asif Hasan, Mst. Maxim Parvin Mitu, Md. Yousuf Gazi, Md. Mahin Uddin and **Md. Bodruddoza Mia** : Relationship between Urban Environmental Components and Dengue Prevalence in Dhaka City—An Approach of Spatial Analysis of Satellite Remote Sensing, Hydro-Climatic, and Census Dengue Data, International Journal of Environmental Research and Public Health (impact factor:4.614) , vol.20 , no.5 MDPI , pp.1-20 , 2023 .

11. Nawrin, N., Junayed, T.R., Khan, M.R., Alam, M.J., **Mia, M.B**. and Ahmed, K.M. : A Hydrogeochemical Characterization and Quality Assessment of Groundwater from the Sadar Upazila, Khagrachhari District, Bangladesh for Irrigation and Drinking Uses, Water (impact factor:3.530) , vol.14 , no.19 MDPI , pp.3052 , 2022 .

12. **Md Bodruddoza Mia**, Md Asif Hasan, Md Yousuf Gazi, Masuma Chowdhury and Nahid Al Montakim : Impact of Urbanization on Landuse-Landcover, Land Surface Temperature and Urban Heat Islands using Multispectral Satellite Images: An Implication in the District Towns of Northwestern Bangladesh, The Dhaka University Journal of Earth and Environmental Sciences , vol.10 , no.3 Dhaka University , pp.17-28 , 2022 .

13. Hakim Saibi, **Md. Bodruddoza Mia**, Milly Bierre and Muhagir El Kamali**:** Application of remote sensing techniques to geothermal exploration at geothermal fields in the United Arab Emirates, Arabian Journal of Geosciences , vol.14 , pp.1251 , 2021 .

14. Morifuji, Y., Fujimitsu, Y., Nishijima, J., **Mia M.B**. and Onizuka S.: Analysis of Heat Discharge Rate in Geothermal Areas Using Remote Sensing Techniques: Case Study of Unzen Geothermal Area, Japan; Papandayan and Tangkuban Perahu Geothermal Area, Indonesia, Pure and Applied Geophysics , 2021 .

15. Most. Shahana Sultana, Md. Yousuf Gazi and **Md. Bodruddoza Mia**: Multiple indices based agricultural drought assessment in the northwestern part of Bangladesh using geospatial techniques, Environmental Challenges, vol.4, pp.100120, 2021.

16. Akter, T., Gazi, M.Y. & **Mia, M.B**. Assessment of Land Cover Dynamics, Land Surface Temperature, and Heat Island Growth in Northwestern Bangladesh Using Satellite Imagery. *Environ. Process.* (2021). https://doi.org/10.1007/s40710-020-00491-y

17. Tania, A.H., Gazi, M.Y. & **Mia, M.B**. Evaluation of water quantity–quality, floodplain landuse, and land surface temperature (LST) of Turag River in Bangladesh: an integrated approach of geospatial, field, and laboratory analyses. *SN Appl. Sci.* **3,** 63 (2021). https://doi.org/10.1007/s42452-020-04011-3

18. Gazi M. Y., Roy, H., **Mia, M.B**., Akhter, S.H., 2020, Assessment of Morpho-dynamics through geospatial techniques within the Padma-Ganges and Ganges-Jamuna River confluences, Bangladesh. KN-Journal of Cartography and Geographic Information, https://doi.org/10.1007/s42489-020-00051-2.

19. **Mia, M. B**., Hasan, T., Akhter, S. H., 2020, Change detection of landuse-landcover in and around Cox's Bazar –Teknaf coastal area of Bangladesh using satellite images, Dhaka University Journal of Earth and Environmental Sciences (Accepted and publish soon).

20. Afroz, R., **Mia M. B**., Islam M. S., 2020, Evaluation and Monitoring of Water Quantity and Quality of the Buriganga River in Bangladesh using Multi-temporal Landsat Images, Dhaka University Journal of Earth and Environmental Sciences (Accepted and publish soon).

21. Islam M.S., Afroz, R., **Mia M.B.**, 2019, Investigation of surface water quality of the Buriganga River in Bangladesh: Laboratory and spatial analysis approaches. The Dhaka University Journal of Biological Sciences, 28 , pp.147-158.

22. **Mia, M.B**.; Fujimitsu, Y.; Nishijima, J. 2019**.** Exploration and monitoring of thermal activity using multi-source satellite images: A case study of the recently active Kirishima volcano complex on Kyushu Island, Japan. Geothermics, 79, pp.26-45 (ELSEVIER).

23. Khan, I., **Mia, M. B.**, Woobaidullah, A.S.M., Samad, A., 2017& 2018, Delineation of rock type and aquifers on the south-central coastal region of Bangladesh using vertical electoral sounding techniques. Dhaka University Journal of Earth and Environmental Sciences, 6 & 7, pp. 1-7.

24. **Mia, M. B.**; Fujimitsu, Yasuhiro; Nishijima, Jun. 2018. Monitoring Thermal Activity of the Beppu Geothermal Area in Japan Using Multisource Satellite Thermal Infrared Data. *Geosciences* 8, no. 8, 306.

25. **Mia, Md. B.;** Fujimitsu, Yasuhiro; Nishijima, Jun. 2018. Monitoring of Thermal Activity at the Hatchobaru–Otake Geothermal Area in Japan Using Multi-Source Satellite Images—With Comparisons of Methods, and Solar and Seasonal Effects. *Remote Sensing, vol.*10, No. 9, 1430.

26. Mohit, M. A.A.; Yamashiro, M.; Hashimoto, N.; **Mia, M. B.;** Ide, Y.; Kodama, M., 2018. Impact Assessment of a Major River Basin in Bangladesh on Storm Surge Simulation. *Journal of Marine Sciences and Engineering* 6, No. 3, 99.

27. **Mia, M.B**.; Fujimitsu, Y.; Nishijima, J. Thermal Activity Monitoring of an Active Volcano Using Landsat 8/OLI-TIRS Sensor Images: A Case Study at the Aso Volcanic Area in Southwest Japan. *Geosciences* 2017, *7 (4)*, 118.

28. **Mia, M. B.**, Bhattacharya, R., Woobaidullah, A.S.M., 2017. Correlation and Monitoring of Land Surface Temperature, Urban Heat Island with Land Use-Land Cover of Dhaka City Using Satellite Imageries. *International Journal of Research in Geography, 3 (4),* pp.10-20.

29. Khan, I., **Mia, M. B.**, Woobaidullah, A.S.M., Samad, A., 2016. Land cover, erosion-accretion and saline water intrusion in the south-central coastal region of Bangladesh using Landsat satellite Images, Dhaka University Journal of Earth and Environmental Sciences, Vol. 5, pp. 69-75.

30. Bhattacharya R., **Mia M. B**., Rahman M. M., Ullah A.S.M.W., 2015 (December).Monitoring Landuse-Landcover Changes in Dhaka City by Integrating Remote Sensing and Ground Based Observations, *Dhaka University Journal of Earth and Environmental Sciences,* Vol. 4, pp. 13-19.

31. **Mia M. B.**, Nishijima J. and Fujimitsu Y., 2015 (September): Monitor heat flow before and after eruption of Kuju fumaroles in 1995 using Landsat TIR images, *Acta Geodaetica et Geophysica, vol. 50, pp. 295-305 Springer publication, DOI 10.1007/s40328-014-0075-3.*

32. **Mia M. B.,** Nishijima J. and Fujimitsu Y., 2014: Exploration and monitoring geothermal activity using Landsat ETM+ images — A case study at Aso volcanic area in Japan, *Journal of Volcanology and Geothermal Research, Vol.275, pp. 14-21, Elsevier publication*

33. **Mia M. B.,** Akhter S. H., Nuruzzaman M. and Fujimitsu Y., 2014: Monitoring surface water bodies of Teesta River in Northwest Bangladesh: A satellite remote sensing approach, *Bangladesh Journal of Geoinformatics*, vol. 01, pp. 45-49.

34. Deb P.K., Howladar M.F., Miah M.I., Faruque M.O., Islam M.H., **Mia M.B.** and Qumruzzaman C., 2014: Structural Interpretation of Fenchuganj Gas Field, *Journal of Engineering Geology and Hydrogeology, Vol. 2(3), pp. 29-36, Sciknow Publication.*
35. **Mia M.B.** and Fujimitsu Y., 2013: Monitoring heat losses using Landsat ETM+ thermal infrared data – A case study at Kuju fumarolic area in Japan, *Acta Geophysica*,Vol.61, No.5, pp 1262-1278, Springer publication, DOI:10.2478/s11600-013-0115-3

36. **Mia M.B.,** Bromley C.J. and Fujimitsu Y., 2013: Monitoring heat losses using Landsat ETM+ thermal infrared data: a case study in Unzen geothermal field, Kyushu, Japan, *Pure and Applied Geophysics*, Vol.170, Issue 12, pp.2263-2271, Springer Basel publication, DOI:10.1007/s000024-013-0662-1

37. **Mia M.B.** and Fujimitsu Y., 2013: Landsat thermal infrared based monitoring of heat losses from Kuju fumaroles area in Japan, *Procedia Earth and Planetary Science*, 6, pp. 114-120, Elsevier Publication, doi: 10.1016/j.proeps.2013.01.016.

38. **Mia M.B**., Bromley C.J. and Fujimitsu Y., 2012: Monitoring heat flux using Landsat TM/ETM+ thermal infrared data-A case study at Karapiti ('Crater of the Moon') thermal area, New Zealand. *Journal of Volcanology and Geothermal Research, Vol. 235-236, pp 1-10,* Elsevier publication, doi: http://dx.doi.org/10.1016/j.jvolgeores.2012.05.005.

39. **Mia M.B.** and Fujimitsu Y., 2012: Mapping hydrothermal altered deposits using Landsat 7 ETM+ image in and around Kuju volcano, Kyushu, Japan. *Journal of Earth System Science*, Vol. 121, No.4, pp. 1049-1057, Springer publication, DOI: 10.1007/s12040-012-0211-9.

40. **Mia M. B.** and Fujimitsu Y., 2011: Study on satellite images based spectral emissivity, Land surface temperature and Land-cover in and around Kuju volcano, Central Kyushu, Japan. *Journal of Advanced Science and Engineering Research*, Vol. 1, No. 2, pp. 177-191, DSR publication.

41. Miah M. I., Howladar M. F., Deb P. K., Faruque M. O., Islam M. S., **Mia M. B.** and Quamruzzaman C., 2011: Understanding the lithology and thickness of A_2 reservoir gas sand of Titas gas field: Insight from wireline log data. *Bangladesh Journal of Geology*, Vol. 29-30, p.108-115

42. **Mia M. B.,** Hasan, K. and Akhter, S.H., 2010: Landuse-landcover mapping using satellite image within gas exploration blocks 7, Bangladesh. *The Dhaka University Journal of Earth and Environmental Sciences,* Vol.1 No.1, pp 29-33

43. Small. C, Steckler M., Seeber L/. Akhter S.H., Goodbred S., **Mia. B.** and Imam B., 2009**:** Spectroscopy of Sediments in the Ganges-Brahmaputra Delta: Spectral Effect of Moisture, Grain Size and Lithology. *Remote sensing for Environment,* Volume.113 (2), pp.342-361, Elsevier publication, doi:10.1016/j.rse.2008.10.009.

44. Mia M.B., Hasan K. and Hoque M., 2008**:** Surface water changes monitoring using satellite imageries in the South-central part of Bangladesh. *The Journal of NOAMI*, Vol. 25 (1), pp.1-22, Ministry of Science & Technology, Bangladesh.

Peer - Reviewed Conference Papers

45. Mia M.B., Yasuhiro FUJIMITSU and Jun NISHIJIMA, 2018. Exploration and monitoring of Hatchobaru-Otake geothermal field using aster satellite images, Proceedings of Grand Renewable Energy 2018 International Conference and Exhibition, 17-22 June, Pacifico Yokohama, Japan.

46. Mia M. B., Nishijima, J. and Fujimitsu, y., 2017. Thermal activity exploration and monitoring of recently active Kirishima volcano in the southern Kyushu island in Japan using satellite imageries. 39th New Zealand Geothermal Workshop, 22-24 November, Rotorua, New Zealand, Paper No. 6.

47. Mustofa, S.A., **Mia, M.B**., Nishijima, J. and Fujimitsu Y., 2016. Using Landsat 8 Remote sensing data for thermal anomaly mapping in the Pantar geothermal area, east Nusa Tenggara, Indonesia, International Symposium on Earth Science and Technology, December 8-9, Shiiki Hall, Kyushu University, Fukuoka, Japan, pp. 624-627.

48. Mia M. B., and Fujimitsu Y., Landsat thermal infrared based monitoring of heat losses from Kuju fumaroles area in Japan, *Proceedings of International Symposium of Earth Science and Technology*, ITB Bandung, Indonesia, pp. 135-140, September, 2012

49. Mia M. B., Fujimitsu Y. and Bromley C. J., Estimation and monitoring heat discharge rates using Landsat ETM + thermal infrared data - a case study in Unzen geothermal field, Kyushu, Japan, *Proceedings of SPIE 8524,* Land Surface Remote Sensing, 8524J; doi:10.1117/12.974475, October, 2012

50. Mia M.B., Nuruzzaman M. and Fujimitsu Y., Effect of upstream dams of Teesta river on surface water bodies in Northwest Bangladesh: A satellite Remote Sensing approach, *Proceedings of 3rd International Conference on environmental aspects of Bangladesh*, A1-02, pp.9-14, October, 2012

Selected Conference Papers

51. Mia, M. B., Fujimitsu, Y. and Nishijima, J., 2017.Exploration and monitoring heat losses from the Beppu thermal area in Japan using ASTER TIR images. Japan Annual Geothermal Meeting, 18-20 October, Hakodate, Hokkaido, Japan (Abstract).

52. Small C., Steckler M., Sousa D., Chiu S., Mondal D R., Akhter S.H., **Mia B.**, Steven G., Wilson G.A. and Paola C. 2014: Spatiotemporal Dynamics of River Channel Migration on the Ganges-Brahmaputra Delta: 2000-2013, American Geophysical Union Fall meeting 2014. (https://agu.confex.com/agu/fm14/webprogrampreliminary/Paper29062)

53. Small C., Steckler M., Sousa D., Chiu S., Mondal D R., Akhter S.H., **Mia B.**, Steven G., Wilson G.A. and Paola C. 2014: Decades of Change on the Ganges-Brahmaputra Delta; Rivers, Coastlines, Agriculture and Development, American Geophysical Union (Fall Meeting 2014. (https://agu.confex.com/agu/fm14/webprogrampreliminary/Paper4819)

54. Mia M.B., Bromley C.J. and Fujimitsu Y., Heat flux monitoring using satellite based imagery at Karapiti (`Craters of the Moon`) fumaroles area, Taupo, New Zealand, Proceedings, *Thrity-Seventh workshop on Geothermal Reservoir Engineering*, Stanford University, Stanford, California, USA, SGP-TR-194, January, 2012

55. Mia M.B. and Fujimitsu Y., Use of Landsat TM thermal infrared data to monitor heat flow before and after eruption of Kuju fumaroles in 1995, *Annual Geothermal Meeting of Japan Geothermal research society*, Akita, Japan, October, 2012 (Abstract)

56. Mia M. B. and Fujimitsu Y., 2012, Estimation of heat discharge rate using Landsat 7 ETM+ thermal infrared data at Kuju fumarolic area in Japan, *9th International Symposium of Novel Carbon Resource Sciences*, Kyushu University, Japan, November, *2012 (*Abstract)

57. Mia M. B. and Fujimitsu Y., 2011, Study on Satellite images based Spectral emissivity, Land surface temperature and Land-cover in and around Kuju volcano, Central Kyushu, Japan, *7th International symposium on Novel Carbon Resources Sciences*, Yonsei University (Seoul, Korea), June, 2011 (Abstract)

58. Miah M. I, Howladar M. F., Faruque M. O. and **Mia M. B.,** Formation water resistivity prediction of Titas gas field using self-potential log data, Bangladesh. *Conference on Engineering Research, Innovation and Education CERIE,* Shahjalal University of science & Technology, Sylhet, Bangladesh., January, 2011

59. Miah M. I, Howladar M. F., Faruque M. O. and **Mia M. B.,** Shale volume and porosity assesment of Titas gas field using Wireline log data in Bengal basin, Bangladesh. *Conference on Engineering Research, Innovation and Education CERIE,* Shahjalal University of science & Technology, Sylhet, Bangladesh , January, 2011

60. Sultana S., Ahmed K. M. and **Mia M. B., 2010**: Prospects of Artificial Recharge for Augmentation of the Upper Dupi Tila Aquifer in Dhaka City, Bangladesh. *ISMAR7, Abu Dhabi, UAE*, 2010.

Academic Fellowships/Scholarship/Honors and Awards

- Awarded **'Dean Award 2024'** of the Faculty of Earth and Environmental Sciences in Dhaka University in recognition of scholarly achievements in publishing research articles during the period of 2018 to 2020

- Awarded **'Dean Award 2016'** of the Faculty of Earth and Environmental Sciences in Dhaka University in recognition of scholarly achievements in publishing research articles during the period of 2012 to 2015

- Awarded **'FY2016 JSPS Postdoctoral Fellowship for Overseas Researchers'**

- Awarded **'Dean Award 2013'**, Graduate School of Engineering, Kyushu University

- Awarded '**Monbukagakusho'** (MEXT, Japan Government) Scholarship for completion of PhD in Kyushu University, Japan in 2010

- Awarded '**Super Research Assistantship (SRA)**'of GCOE NCRS program in Kyushu University for PhD research in 2010

- Awarded '**Provost Award for securing the TOP position (Out of 50 students) in B. Sc (Honors) in Geology**'from the Department of Geology, University of Dhaka, given by Provost, Fazlul Huq Muslim Hall, University of Dhaka, Bangladesh in 2004.
- Awarded '**University Academic Scholarship**'for securing the TOP position (Out of 50 students) in both undergraduate and Master of Science final examinations in the Department of Geology at Dhaka University, 2004 & 2006.

Professional Attachment

- Member, Bangladesh Geological Society
- Member, SPIE, The International Society of Optics and Photonics
- Member, Geothermal Research Society of Japan
- Treasurer, Dhaka University Geological Alumni Association

Software and Programming Skills

- ERDAS Imagine 9.3, ENVI 4.7, ER Mapper,
- ArcGIS 9; ArcView GIS; RockWare 2006
- C++ , Matlab, Google Earth Engine

Language Test:

- TOEFL: 78 (Reading-18, Listening-19, Speaking-19, and Writing-22)
- GRE: 1050 (Verbal-310, Quantative-740, and Writing-3.0)
- IELTS: 6.0 (Listening-6.0, Writing-6.0, Reading-6.0, and Speaking 6.0)

Countries Visited:

- Japan, China, South Korea, Indonesia, New Zealand and USA

Language Proficiency:

Bangla (Native), English (Fluent) and Japanese (Level 1)

Personal Information

Father's Name: Md. Abdul Bari Mia
Mother's Name: Kazi Mahmuda Begum
Permanent Address: Village-Bazitpur, Post office- Fatehpur Laldighi, Upazila-Pirganj, District-Rangpur, 5470.
Date of Birth: 09 January 1980; Place of Birth: Rangpur, Bangladesh
Blood Group: B^{+ve} Nationality: Bangladesh; Sex: Male;
Marital Status: Married; Child: Two

REFERENCES

- **Dr. Yasuhiro Fujimitsu,** Professor, Department of Earth Resources Engineering, Kyushu University, Japan, Phone: +810928023368; E-mail: fujimitsu@mine.kyushu-u.ac.jp.

- **Dr. Kazi Matin U Ahmed**, Professor, Department of Geology, University of Dhaka, Dhaka-1000, Bangladesh. Phone: +880 1711846840. E-mail:kmahmed@du.ac.bd

- **Mr. Chris J Bromley**, Senior Geothermal Geophysicist, GNS Science, Wairakei, Private Bag 2000, New Zealand. Phone: +64-7-374-8211, E-mail:c.bromley@gns.cri.nz