

**TAHERA AFRIN**  
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### Education:

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- M.S. in Geological Sciences, Jahangirnagar University, Savar, Dhaka
- B. Sc. in Geological Sciences, Jahangirnagar University, Savar, Dhaka

### Professional Experience:

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Designation	Organization	Responsibility	Duration
Assistant Director (Geology)	Geological Survey of Bangladesh	- Geo-scientific work	31/12/2017 – Present
Assistant Manager (Geophysics)	Bangladesh Exploration & Production Company (BAPEX)	- Analyzing the seismic section using Petrel 2015.	29/07/2016 – 30/12/2017

### Current Responsibility

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- Work in *Urban and Engineering Geology* Branch.
- Work in joint technical “*Geo-Information for Urban Planning and Adaptation to Climate Change (GeoUPAC)*” project of BGR -GSB.
- Analyzing Optical Remote Sensing data
- Have trained the Kobo software to field party and analyze field data.
- Preparing Different map using *QGIS* Desktop 3.20.3.

### Publications

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#### International:

1. **Afrin, T.**, Hossain, D. & Imam, Md.H. (2015), *Seismic characterization of the Semutang gas field, Bengal basin, Bangladesh*, November 2015, Journal of the Geological Society of India 86(5):547-552; DOI: 10.1007/s12594-015-0345-x

#### National Seminar (Abstract):

- I. Wimmer, L., **Afrin, T.**, Islam, M.K. & Kamal, M.A., (15 December,2021), *Supervised Classification for Land Use Mapping of Kushtia Town and Surrounding Areas*, National

seminar on Geosciences for sustainable development of Bangladesh, Abstract Volume, Organized by Geological Survey of Bangladesh.

- II. Wimmer, L., Afrin, T., Islam, M.K. & Kamal, M.A., (15 December,2021), *NDWI Analysis Method for River Shifting Change Detection- A Case Study of Padma River beside Faridpur Town*, National seminar on Geosciences for sustainable development of Bangladesh, Abstract Volume, Organized by Geological Survey of Bangladesh.

## Software Skill

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1. *QGIS* Desktop 3.20.3. for data analyzing and mapping.
2. *SNAP* for pre-processing.
3. *SAGA-GIS*
4. *KOBO ToolBox* for collecting, analyzing and storing the field data.
5. Petrel 2015 Analyzing the seismic section.

## Training

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- Introduction to Remote Sensing for Urban & Engineering Geology, Optical and RADAR images (virtual)
- Introduction in reflection seismic data processing & seismic processing software (In house).
- Geostatistical Modeling with subsurface viewer Mx (In house).
- Introduction to SAGA-GIS

## Membership

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- I. Member of International Association for Engineering (IAEG)
- II. Member of International Association for Promoting Geoethics (IAPG)