



## ২য় জাতীয় সেমিনার ২০২৪ Geology for the Sustainable Development of Bangladesh

বাংলাদেশ ভূতাত্ত্বিক জরিপ অধিদপ্তর (জিএসবি)  
জ্বালানি ও খনিজ সম্পদ বিভাগ  
বিদ্যুৎ, জ্বালানি ও খনিজ সম্পদ মন্ত্রণালয়

### Programme Schedule

**Registration: 09.00 - 10.00 hrs**

#### **Inaugural Session**

Venue: Dr. Habibur Rahman Auditorium, 1st Floor, Petrocentre, Petrobangla

Date: 09 May, 2024

Time: 10.00 -11.30 hrs.

#### **Technical Session 1**

##### **Theme 1: Quaternary Geology and Delta Building Processes**

Venue: Dr. Habibur Rahman Auditorium, 1st Floor, Petrobangla

Date: 09 May, 2024; Time: 12.00 -13.00 hrs.

Chair: Prof. Dr. Sharif Hossain Khan, Department of Geological Sciences, Jahangirnagar University

Co-Chair: Mrs. Nasima Begum, Director (Geology), GSB

Rapporteur: Mr. Rajib Kumar Saha, Assistant Director (Geology), GSB

1. Microtextures on Detrital Sand Grains from the Sundarban Forest Site in Satkhira, Bangladesh  
*Mohidul Islam, Md Aminul Islam Rony, H. M. Zakir Hossain and Anas Al Hossain*
2. Sustainable Management of the Coastal Areas of Bangladesh - A review  
*Md. Bazlar Rashid*

3. The Influence of Watershed Geomorphic Characteristics on the Flash Flood of the Transboundary Khowai River, Bangladesh  
*Jonahid Chakder and Md. Mahfuzul Haque*
4. Grain size analysis of the Plio- Pleistocene Dupitila Formation in the Kutubpur Magnetic Body Area, Dinajpur, Bangladesh: Implications for depositional setting  
*Md. Sohel Rana, Md. Ali Akbar, Farhan Ahmed Bhuiyan, Zobayer Mahmud, Md. Al Amin, Md. Al Razi and Anwer Sadat Mohammad Sayem*

#### **Poster Session**

Venue: Premises of Dr. Habibur Rahman Auditorium, 1st Floor, Petrobangla

Date: 09 May, 2024, Time: 12.00-13.00 hrs.

#### **Technical Session 2**

##### **Theme 12: Remote Sensing and Geospatial Technologies**

Venue: Dr. Habibur Rahman Auditorium, 1st Floor, Petrobangla

Date: 09 May, 2024; Time: 14.30-15.30 hrs.

Chair: Prof. Dr. Md. Badrul Islam, Department of Geology and Mining, University of Rajshahi

Co-Chair: Mr. Mohammad Ashraful Kamal, Director (Geology), GSB

Rapporteur: Dr. Hossain Mohammad Arifeen, Assistant Director (Geology), GSB

1. Jamuna River Shifting Assessment at Belkuchi Upazila, Sirajganj District Using RS and GIS Technique  
*Md. Nazwanul Haque, Khaleda Afrin, Rintu Roy, Syed Nazrul Islam and Minhazul Abedin Shakik*
2. Role of Spatial Technologies Towards Groundwater Resource Augmentation  
*Debasish Das*
3. Evaluation of the Performance of EGM 2008 and other Global Geoid Models in Determining Orthometric Heights with Respect to Local Geoid Model Formed with the Help of GNSS/Levelling Data  
*Muhtashim Rafiq Chowdhury, Mostazer Billah, Abeer Quddus and Md. Amirul Islam*
4. Forty Years of Riverbank Dynamics and Socio-Economic Consequences along Kobadak River at Koyra Upazila, Bangladesh: An Integrated Remote Sensing and GIS based approach  
*Md. Hasnat Jaman, Md. Helal Ahmmed, Md. Saiful Islam, Md. Yeasin Arafath, Md. Abdur Razzaque, Mst. Nur-E-Taj Tamanna and Md. Mohaimenul Islam*

### Technical Session 3

#### Theme 10: Petrology and Mineralogy

Venue: Board Room, 3rd Floor, Petrobangla

Date: 09 May, 2024; Time: 14.30-15.30 hrs.

Chair: Prof. Dr. Subrota Kumar Saha, Department of Geology, University of Dhaka

Co-Chair: Mrs. Asma Huque, Director (Geology), GSB

Rapporteur: Md. Ahsan Habib, Assistant Director (Geology), GSB

1. Geological Controls on Sustainable Road Conservation in Hilly Terrains of Bangladesh: A Case Study of the Bayezid Bostami Link Road, Chattogram, Bangladesh  
*Rajib Kumar Saha, Md. Faruk Hasan and Mohammad Arifuzzaman*
2. Petrography and Geochemistry of the Tipam Sandstone Formation from the Eastern Fold Belt of the Bengal Basin, Bangladeshy  
*Papiya Mondal, Abu Sadat Md. Sayem, Rashed Abdullah, Julleh Jalalur Rahman, Rumana Yesmin*
3. Grain Size Analysis and Sedimentologic Study of Neogene Exposed Sediments, Sitapahar Anticline, Rangamati, Bangladesh  
*Minhazul Abedin Shakik and K. M. Imam Hossain*
4. Major, Trace, and Rare Earth Elements in the Multicore Sediments of the Bay of Bengal off Bangladesh  
*H. M. Zakir Hossain*

### Technical Session 4

#### Theme 11: Geophysical Applications

Venue: Conference Room, 3rd Floor, Petrobangla

Date: 09 May, 2024; Time: 14.30-15.30 hrs.

Chair: Prof. Dr. A.S.M. Wobaidullah, Department of Geology, University of Dhaka

Co-Chair: Mr. Mohammad Zohir Uddin, Deputy Director (Geophysics), GSB

Rapporteur: Mr. Tushar Kanti Roy, Assistant Director (Geophysics), GSB

1. Delineation of Bagzana-Koktara Horst and Panchbibi Basin from the Regional Gravity Survey in Hili-Panchbibi-Joypurhat area, Bangladesh  
*Md. Shahjahan, Md. Selim Reza and Ershadul Haque*
2. Seismic Refraction Survey: An Effective Geophysical Tool for Delineating Basement Configuration in and Around Niamatpur Upazila of Naogaon District, Bangladesh  
*Selim Reza, Mohammad Zohir Uddin, Lubna Yesmin Khondakar and Sultana Nasrin Nury*
3. Gravity Clue Indicating Non-Existence of any Major Fault in the Present Location of Jamuna Between Raomari and Chilmari, Kurigram and other Tectonic Inference from Gravity Observation in Raumai-Kurigram Region, Bangladesh  
*Md. Shahjahan*
4. Detail Gravity and Magnetic Profiling Surveys to Delineate the Geometry of Panchbibi Basin  
*K.A.H.M. Syfur Rahman and Md. Selim Reza*

### Technical Session 5

#### Theme 12: Remote Sensing and Geospatial Technologies

Venue: Dr. Habibur Rahman Auditorium, 1st Floor, Petrobangla

Date: 09 May, 2024; Time: 16.00-17.15 hrs.

Chair: Dr. A.K.M. Khorshed Alam, Former Director General, GSB

Co-Chair: Mrs. Kazi Mansura Akter, Deputy Director (Geology), GSB

Rapporteur: Mr. Md. Hossain Al Imran, Assistant Director (Geology), GSB

1. Inundation Mapping Using SAR Satellite Images and Analysis of Flood Potential on Present Land Use Classes - A Case Study of Sirajganj Town and Surrounding Areas  
*Tahera Afrin, Mohammad Ashraful Kamal and Mohammad Khairul Islam*
2. Photogeological Mapping of Nawabganj Upazila, Dhaka District, Bangladesh  
*Munir Hossain, Md. Nazwanul Haque and Sudip Saha*

3. River Course Change Detection by NDWI Analysis Method - A Case Study of Jamuna River from Kazipur Upazila of Sirajganj District to Bera Upazila of Pabna District, Bangladesh  
*Mohammad Khairul Islam, Mohammad Ashraful Kamal and Tahera Afrin*
4. Vertical Ground Motion Analysis of Khulna City and Surroundings of Bangladesh Using InSAR  
*Md. Nazwanul Haque, Rintu Roy, Mohammad Ashraful Kamal*
5. Changes in Land Use Land Cover (LULC) - an Environmental Impact of Engineering Construction: A Case Study  
*Piya Bhattacharjee*

### Technical Session 6

#### Theme 8: Structural Geology and Tectonics

Venue: Board Room, 3rd Floor, Petrobangla

Date: 09 May, 2024; Time: 16.00-17.15 hrs.

Chair: Prof. Dr. Yunus Ahmed Khan, Department of Geology and Mining, University of Rajshahi

Co-Chair: Mr. Mohammad Masum, Deputy Director (Geology), GSB

Rapporteur: Mr. Mohammad Omer Faruq Khan, Assistant Director (Geology), GSB

1. Crustal Evolution and Characteristics: An Appraisal on Basement Rocks in Bangladesh  
*Ismail Hossain*
2. Fault Kinematics and Stress Distribution along the Dauki Fault Zone - A Potential Source of Recent Seismic Activity  
*S.M.A. Shoib, Md. Ibna Reday, Fatema Tuz Zohora, Md. Sakawat Hossain, Md. Sharif Hossain Khan*
3. Active Tectonic Convergence of the Indian Plate in the Northeastern and Eastern Portions Reveals Oblique Faulting: Implication for Seismic Hazards  
*Aktarul Ahsan, Afroz Ahmad Shah and Dhiman R. Mondal*
4. Formation of Boga Lake and Raikhong Lake, Bangladesh: An Appraisal on Geological and Geo-morphological Characteristics  
*Md. Shamsuzzaman and Md. Bazlar Rashid*
5. Recent Earthquake Distribution and Pattern from Thrust to Strike-Slip around NE India-Bangladesh-Myanmar, Predicting Future Earthquake Occurrences  
*Aktarul Ahsan, Santanu Baruah, A. S. M. Maksud Kamal, Md. Zillur Rahman, Dhiman R. Mondal, Afroz Ahmad Shah, Md. Shakhawat Hossain, A. K. M. Khorshed Alam*

### Technical Session 7

#### Theme 11: Geophysical Applications

Venue: Conference Room, 3rd Floor, Petrobangla

Date: 09 May, 2024; Time: 16.00-16.45 hrs.

Chair: Prof. Dr. Delwar Hossain, Department of Geological Sciences, Jahangirnagar University

Co-Chair: Mrs. Lubna Yesmin Khondaker, Deputy Director (Geophysics), GSB

Rapporteur: Ms. Sirajum Monira, Assistant Director (Geophysics), GSB

1. Gravity Signatures of Kutubpur Magnetic Body and adjoining areas, Parbatipur and Chiribandar Upazilas, Dinajpur District and its implication in exploration for economic mineral resources  
*Md. Shahjahan, Md. Zohir Uddin and Nazmun Nahar*
2. Geoelectrical Resistivity Survey for Fresh Groundwater Investigation in the South-Western Coastal Areas of Bangladesh  
*Md. Selim Reza and Mohammad Zohir Uddin*
3. Hydrostratigraphy of Noakhali, Laxmipur and Patuakhali based on Geophysical Logging and its Implication in Finding Potable Water in the Coastal Region of Bangladesh  
*Md. Shahjahan*

## Technical Session 8

### Theme 7: Engineering Geology and Urban Development

Venue: Dr. Habibur Rahman Auditorium, 1st Floor, Petrobangla

Date: 10 May, 2024; Time: 09.30-11.15 hrs.

Chair: Prof. Dr. A.T.M. Shakhawat Hossain, Department of Geological Sciences, Jahangirnagar University

Co-Chair: Mr. Md. Mahmood Hossain Khan, Deputy Director (Geology), GSB

Rapporteur: Mrs. Tahera Afrin, Assistant Director (Geology), GSB

1. Geo-scientific Information for Sustainable Development: A Case Study of Shahzadpur Upazila, Sirajganj District, Bangladesh  
*Rintu Roy, Md. Nazwanul Haque, Khaleda Afrin*
2. SAGA-ISEG Database for Dynamic and Spatial Geo-technical Data Analysis  
*Sarwat Jabeen, Andreas Gunther, Mohammad Ashraf Kamal, Werner Buchert*
3. Identification of Geotechnical Weakzones and Candidate Locations for Quicksand Phenomenon: A Resistivity Imaging Approach in Chittagong City Outer Ring Road Site, Chittagong Bangladesh  
*Md. Shahjahan*
4. Geomorphology, Geology and Engineering Geology of Teknaf Pourashava and Surrounding, Cox's Bazar District  
*Mohammad Anisur Rahman, Salma Akter and Md. Nazwanul Haque*
5. Voxel Model, A Sub-Surface Visualization and Analytical Tool for Geoscientific Analyses and Decision Making: Case Study Satkhira Town and Surroundings  
*Nurun Nahar Faruqa, Sara Schade, Faruk Hossain, Mohammad Ashraf Kamal*
6. A 3D Geotechnical Review for Structural Configuration of Bengal Basin and Earthquake Magnitude Projection in Bangladesh  
*Mir Fazlul Karim*
7. Applicability of H/V Fourier Spectral Ratio of Ambient Vibrations in Seismic Microzonation- case study in Chattogram City, Bangladesh  
*Md. Shahjahan, Cees Van Westen and Mark Van der Meijde*

## Technical Session 9

### Theme 2: Mineral and Energy Resources

Venue: Board Room, 3rd Floor, Petrobangla

Date: 10 May, 2024; Time: 09.30-11.00 hrs.

Chair: Prof. Dr. Md. Anwar Hossain Bhuiyan, Department of Geology, University of Dhaka

Co-Chair: Mr. Md. Ashraf Hossain, Deputy Director (Geology), GSB

Rapporteur: Mr. Md. Harun Or Rashid, Assistant Director (Geology), GSB

1. Heavy Minerals Analysis in the Bukit Puteri Area, Bangi, Selangor, Malaysia  
*Md. Sohel Rana and Mohd. Basril Iswadi Bin Basori*
2. Pilot plant study for separation of heavy minerals from the Tista River sand, Bangladesh  
*Pradip Kumar Biswas, M. Shafiqul Alam, Syed Samsuddin Ahmed, Mohammad Nazim Zaman, Md. Sha Alam, Md. Shohel Rana, Md. Shams Shahriar and Md. Imam Sohel Hossain*
3. Biomarker Characteristics of Organic Matter in the Sylhet Basin Mudstones, Bangladesh  
*Sk. Tamanna Taher Turni, H. M. Zakir Hossain, Tanzila Hasan Moyuri, Zarin Tasnim Khusbu and Farjana Afrin Rima*
4. Prospect of Iron ore at Kutubpur Magnetic Body, Parbatipur, Dinajpur  
*Md. Sohel Rana, Md. Ali Akbar, Anwer Sadat Mohammad Sayem, Zobayer Mahmud, Md. Al Amin and Md. Al Razi*
5. Geochemical Characterization and Economic Importance of Tajpur Limestone Deposit in Naogaon District, Bangladesh  
*Mohammad Hasan Shahariar, Mohammed Masum, Mohammed Nurul Haque, A.J.M. Emdadul Haque and Zobayer Mahmud*
6. Decontaminating NORM via Monazite Beneficiation from Radioactive Waste of the Heavy Minerals Separation Plant at BSMEC, Cox's Bazar  
*Md. Masud Karim and Md. Fahad Hossain*

## Technical Session 10

### Theme 4: Groundwater, Hydrogeology, Geochemistry

Venue: Conference Room, 3rd Floor, Petrobangla

Date: 10 May, 2024; Time: 09.30-10.30 hrs.

Chair: Dr. Anwar Zahid, Director, Bangladesh Water Development Board

Co-Chair: Dr. Md. Ahsan Habib, Deputy Director (Geology), GSB

Rapporteur: Mr. Anwar Sadat Md Sayem, Assistant Director (Geology), GSB

1. Radiation exposure and health concerns associated with environmental geochemistry of greater radioactivity in Atrai river (Bangladesh)  
*Md. Samium Basir, Rahat Khan, Sayma Zahan Akhi, Amit Hasan Anik, Shabiha Hossain, Umma Tamim, A.R.M. Towfiqul Islam and Shafi M. Tareq*
2. Simulating River-Aquifer Dynamics in Left Bank of River Ganges (Padma) in Drought-prone North-West Bangladesh  
*Md. Arifur Rahman, Chowdhury Sarwar Jahan, Md. Ferozur Rahaman and Quamrul Hasan Mazumder*
3. Variations of Water Quality in Floodplains and Barind Tract of South Eastern Part of Chapai Nawabganj District, Bangladesh  
*Shamim Ahmed, Khondaker Emamul Haque, Most. Afroja Khatun Suborna, Md. Moniruzzaman and Tasnim Abdary Anonna*
4. Variation of Groundwater Recharge Rate with Urbanization in Barishal City  
*Tanwi Sarker*

## Technical Session 11

### Theme 6: Geo-hazard and Geo-environmental Problems

Venue: Dr. Habibur Rahman Auditorium, 1st Floor, Petrobangla

Date: 10 May, 2024; Time: 11.45-12.45 hrs

Chair: Prof. Dr. Md. Zillur Rahman, Department of Disaster Science and Climate Resilience, University of Dhaka

Co-Chair: Mr. Md. Feruj Alam, Deputy Director (Geology), GSB

Rapporteur: Mr. Faruk Hossain, Assistant Director (Geology), GSB

1. Alternatives to Mitigate the Waterlogging and Siltation Problems in the Southwest Tidal Delta of Bangladesh  
*Reshad Md. Ekram Ali, Md. Shafiqul Alam and Khalil R. Chowdhury*
2. Geological Evolution of Boga lake on Hilly Terrain of Ruma Upazila, Bandarban District, Bangladesh  
*Mohammad Anisur Rahman, Mohammad Alamgir Kabir, Salma Akter and Md. Ahsan Habib*
3. An Attempt to Investigate Rupture of the Dauki Fault in 1897 Earthquake by Trench Investigation at Majer Tila Area, Taherpur Upazila, Sunamganj District, Bangladesh  
*Reshad Md. Ekram Ali, Mohammad Anisur Rahman, Animesh Talukder, Mohammad Alamgir Kabir, Salma Akter, Faruk Hossain and Md. Ahsan Habib*
4. Landslide Hazard Zonation of Ruma Upazila, Bandarban District, Bangladesh  
*Mohammad Anisur Rahman, Mohammad Alamgir Kabir, Salma Akter and Md Ahsan Habib*

## Technical Session 12

### Theme 2: Mineral and Energy Resources

Venue: Board Room, 3rd Floor, Petrobangla

Date: 10 May, 2024; Time: 11.30-12.45 hrs.

Chair: Dr. Md. Nehal Uddin, Former Director General, GSB

Co-Chair: Mr. Mohammad Hasan Shahriar, Deputy Director (Geology), GSB

Rapporteur: Mrs. Shahrin Azmee, Assistant Director (Geology), GSB

1. Geophysical Investigations: Leading to the Discovery and Delineation of Metallic Iron Deposit at Chakurpara-Masidpur Area, Alihat, Hakimpur Upazila of Dinajpur District, Bangladesh  
*K. A. H. M. Syfur Rahman and Md. Shahjahan*
2. Mineralogical Characterization of the Masidpur Magnetic Body of Dinajpur, Bangladesh  
*Md. Sohel Rana, Md. Ali Akbar, Mohammed Masum, Mohammed Nurul Hoque, Md. Nuruzzaman Sabuj, Md. Abu Sayem, Zobayer Mahmud, Md. Al Amin1 and Md. Abdur Razaque*

3. Alluvial Clay of Bagha Upazila: Physico-Chemical Characterizations and its Industrial Potential  
*Shawon Talukder and Azimah Bintu Hussin*
4. Identification of Valuable Heavy Minerals in Sand Bars of Upstream part of the Brahmaputra River, Bangladesh  
*Md. Ashraf Hossain and K. M. Imam Hossain*
5. Discovery of Silica Sand at Patiya in Chattogram of Bangladesh  
*Md. Sohel Rana, Zobayer Mahmud and Md. Al Amin*

### Technical Session 13

#### Theme 4: Groundwater, Hydrogeology, Geochemistry

Venue: Conference Room, 3rd Floor, Petrobangla

Date: 10 May, 2024; Time: 11.00-12.00 hrs.

Chair: Prof. Dr. Kazi Matin Uddin Ahmed, Department of Geology, University of Dhaka

Co-Chair: Mr. Md. Kamal Hossain, Director (Geology), GSB

Rapporteur: Mrs. Khaleda Afrin, Assistant Director (Geology), GSB

1. Importance of Monitoring for the Sustainable Development and Management of Groundwater in the Bengal Basin, Bangladesh  
*Anwar Zahid*
2. Primordial Radionuclides in Punarbhaba river, northern Bangladesh: Origin and affiliated radiological risks  
*Sayma Zahan Akhi, Rahat Khan, Md Samium Basir, Amit Hasan Anik, Shabiha Hossain, Umma Tamim, A.R.M. Towfiqul Islam, Shafi M. Tareq*
3. Geochemistry of Major, Trace and Rare Earth Element in Khalaspir Coal (Bangladesh) and Hazardous Elements Impact on Environment  
*Md. Jafar Hossain, Md. Ahasan Habib and Minhaj Uddin Monir*
4. Hydrogeochemistry and Groundwater Quality of Alluvial Aquifer of Dhamrai Upazila of Central Bangladesh  
*Shahtaj Karim, Riyadul Islam, Md. Rashedul Hasan, Shahida Akter and Md. Kamal Hossain*

### Technical Session 14

#### Theme 5: Climate Change

Venue: Dr. Habibur Rahman Auditorium, 1st Floor, Petrobangla

Date: 10 May, 2024; Time: 14.30-15.45 hrs.

Chair: Dr. Reshad Md. Ekram Ali, Former Director General, GSB

Co-Chair: Dr. Bazlar Rashid, Deputy Director (Geology), GSB

Rapporteur: Mrs. Sabina Yesmin, Assistant Director (Geology), GSB

1. Pore Size Distribution of Granite Residual Soils under Multiple Drying-Wetting Cycles using NMR Technique  
*Hossain Md. Sayem, Ling-wei Kong and Huihui Tian*
2. Climate Change and Landslide Effects on Environment of Kawkhali Upazila, Rangamati District, Bangladesh  
*Md. Azahar Hossain, Md. Ahsan Habib, Abu Syed Mohammed Faisal, Mohammad Anisur Rahman and Salma Akter*
3. A Preliminary Study on Particle Size Distributions of the Late Cenozoic Sediments Exposed in the Sylhet Trough, Bengal Basin, Bangladesh: Implications for Climate Change  
*Md. Sazzad Hossen, Abu Sadat Md. Sayem, Rashed Abdullah and Rumana Yesmin*
4. Greenhouse Gases and Indian Coal Mining Industries Initiatives  
*Gyanindra Kumar Pradhan*
5. Pollen Catalogue of Contemporary Dry Flower Samples of Bangladesh by Establishing a Standard Sample Processing Technique  
*Sveda Jesmin Haque, Kazi Munsura Akther, Md. Faruq Hossain, Tanzim Tamanna Afroz and Asma Huque*

## Technical Session 15

### Theme 2: Mineral and Energy Resources

Venue: Board Room, 3rd Floor, Petrobangla

Date: 10 May, 2024; Time: 14.30-16.00 hrs

Chair: Prof. Dr. Ismail Hossain, Department of Geology and Mining, University of Rajshahi

Co-Chair: Mrs. Nurun Nahar Faruqa, Director (Geology), GSB

Rapporteur: Mr. Md. Al Amin, Assistant Director (Geology), GSB

1. The Emerging Trends and Necessity of Policy Appraisal in this Energy Transition Period for Ensuring Energy Security Perspectives of Bangladesh  
Md. Jahangir Alam
2. Geochemical Characterization of Peat Deposits at South-Western Part of Sunamganj District, Bangladesh  
Mohammad Hasan Shahariar, *Mohammad Omar Faruq Khan, A.J.M. Emdadul Haque*
3. Environmental Degradation: A case study of the Patgram  
Md. Sohel Rana, *Md. Al Amin and Md. Abdur Razzaque*
4. Outlook for the Potentiality of Economic Mineral Resources of Northwestern Part of Bangladesh from Gravity and Magnetic Survey Perspective  
Md. Shahjahan
5. Sustainable Development of Coal Resources  
Santanu Dasgupta and *Bhupendra K. Mishra*
6. Nuclear Geoscience for Sustainable Development of Bangladesh  
Mohammad Rajib, *Md. Golam Rasul, Mohammad Zafrul Kabir, Farah Deeba, Md. Moniruzzaman Sumon, Nafisa Tamannaya Dina, Sudeb Chandra Das and Tumpa Saha*

## Technical Session 16

### Theme 3: Blue Economy, Coastal and Marine Geology

Venue: Conference Room, 3rd Floor, Petrobangla

Date: 10 May, 2024; Time: 14.30-15.15 hrs

Chair: Prof. Dr. Md. Mahfuzul Haque, Department of Geological Sciences, Jahangirnagar University

Co-Chair: Dr. Md. Samsuzzaman, Deputy Director (Geology), GSB

Rapporteur: Ms. Tanzim Tamanna Afroz, Assistant Director (Geology), GSB

1. Grey Area Over the Blue: Hindrance to Potentiality of Blue Economy  
A.J.M. Emdadul Haque
2. Potentiality of Marine Resources of the Bay of Bengal and Indian Ocean: Bangladesh Perspective  
Md. Bazlar Rashid, *Mohammad Abdul Aziz Patwary and Md. Shamsuzzaman*
3. Necessity of Integrated Coastal Management for the Sustainable Development of Bangladesh Coast  
Mohammad Abdul Aziz Patwary, *Mohammad Hasan Shahariar and Md. Bazlar Rashid*

## Technical Session 17

### Theme 14: Geo-tourism, Geo-heritage and Conservation

Venue: Conference Room, 3rd Floor, Petrobangla

Date: 10 May, 2024; Time: 15.15-16.00 hrs

Chair: Prof. Dr. M. Shafiqul Alam, Department of Geology and Mining, University of Rajshahi

Co-Chair: Mr. Md. Nazwanul Haque, Deputy Director (Geology), GSB

Rapporteur: Mr. Md. Jahangir, Assistant Director (Geology), GSB

1. Geotourism: A Tool for Perspective Development in Developing Countries  
Md. Nehal Uddin
2. The Context of Geoconservation Measures for the BDP2100's Hotspots Area of Bangladesh  
Md. Ali Akbar, *Md. Jahangir Alam and Mohammad Al Razi*
3. Geoethics: My Understandings  
A. K. M. Khorshed Alam

**Closing Session**

Venue: Dr. Habibur Rahman Auditorium, 1st Floor, Petrocentre, Petrobangla

Date: 10 May, 2024; Time: 16.30 -18.00 hrs.