



<u>List of Published Articles</u>	
Year	Description
2021	Hossain, M.S., Aziz, M.T., Shahriar, M.S. and Ritu, A.A., 2021. Heavy mineral analysis of Jamuna River sediments, Bangladesh. <i>Journal of Geological Society of India</i> , 97(5), pp.470-480. https://doi.org/10.1007/s12594-021-1713-3
	Ahmed, A.N., Sultana, M.S., Zaman, M.N. and Rahman, M.A., 2021. Influence of hard rock dust on the physical and microstructural properties of red ceramic materials. <i>Journal of Korean Ceramic Society</i> , 58, pp.69–76. https://doi.org/10.1007/s43207-020-00085-2
	Islam, M.S., Ullah, S.M.M., Jolly, Y.N., Islam, M.A. and Biswas, P.K., 2021. Petrological, geochemical, and microfacies analysis of the Sylhet limestone, Bengal Basin, Bangladesh: implication for depositional environment and diagenesis. <i>Arabian Journal of Geosciences</i> , 14(14), pp.1-22. https://doi.org/10.1007/s12517-020-06308-4
	Rahman, M.M., Hasan, M.F., Hasan, A.S.M.M., Alam, M.S., Biswas, P.K. and Zaman, M.N., 2021. Chemical weathering, provenance, and tectonic setting inferred from recently deposited sediments of Dharla River, Bangladesh. <i>Journal of Sedimentary Environment</i> , 6, 73–91. https://doi.org/10.1007/s43217-020-00046-z
2020	Biswas, P.K., Alam, M.S., Hasan, A.S.M.M., Ahmed, S.S. and Zaman, M.N., 2020. Geochemical signature of recent bar deposits in the Tista river, Bangladesh: Implications to provenance, paleoweathering and tectonics. <i>Journal of Nepal Geological Society</i> , 60, pp.1-20. https://doi.org/10.3126/jngs.v60i0.31272
	Rahman, M.A., Das, S.C., Pownceby, M.I., Tardio, J., Alam, M.S. and Zaman, M.N., 2020. Geochemistry of Recent Brahmaputra River Sediments: Provenance, Tectonics, Source Area Weathering and Depositional Environment. <i>Minerals</i> , 10(9), pp.813. https://doi.org/10.3390/min10090813
	Rahman, A., Tardio, J., Bhargava, S.K., Zaman, M.N., Hasan, A.M., Torpy, A. and Pownceby, M.I., 2020. Comparison of the chemistry and mineralogy of ilmenite concentrates sourced from fluvial (Brahmaputra River) and beach placer (Cox’s Bazar) deposits, Bangladesh. <i>Ore Geology Reviews</i> , 117, pp.103271. https://doi.org/10.1016/j.oregeorev.2019.103271
	Ahmed, M.T., Hasan, M.Y., Monir, M.U., Samad, M.A., Rahman, M.M., Rifat, M.S.I., Islam, M.N., Khan, A.A., Biswas, P.K. and Jamil, A.N., 2020. Evaluation of hydrochemical properties and groundwater suitability for irrigation uses in southwestern zones of Jashore, Bangladesh. <i>Groundwater for Sustainable Development</i> , 11, pp.100441. https://doi.org/10.1016/j.gsd.2020.100441



	<p>Shahriar, M.S., Ameen, S.M.M., Hossain, M.S., Hossain, M.S., Zaman, M.N. and Alam, M.S., 2020. Revealing the basement in Barapukuria: A geochemical study of a Gondwana coal basin basement from northwest Bangladesh. <i>Journal of Geological Society of India</i>, 95(6), pp.571-586. http://doi.org/10.1007/s12594-020-1484-2</p>
2019	<p>Ali, S., Alam, M.S., Ahmed, S.S., Zaman, M.N., Hossain, I. and Biswas, P.K., 2019. Geochemical characteristics of Recent sediments of channel bar of the Ganges (Padma) River, Bangladesh. <i>Bangladesh Geoscience Journal</i>, 25, pp.23-46.s</p> <p>Tanjil, H.A., Akter, S., Ahmed, M.T. and Biswas, P.K., 2019. Water Quality Assessment in Maddhapara Granite Mine, Bangladesh. <i>International Journal of Environmental Protection and Policy</i>, 7(2), pp.39-45. https://10.11648/j.ijep.20190702.11</p> <p>Rahman, M.S., Hossain, I., Biswas, P.K., Rahim, M.A., Hasan, A. S. M.M. and Adham, M.I., 2019. Geochemistry of subsurface Late Quaternary ironstones in Rajshahi and Bogra Districts, Bangladesh: implications for genetic and depositional conditions. <i>Acta Geochimica</i>, 38, pp.404-413. https://doi.org/10.1007/s11631-018-00310-0</p>
2018	<p>Biswas, P.K., Ahmed, S.S., Pownceby, M.I., Haque, N., Alam, S., Zaman, M.N. and Rahman, M.A. 2018. Heavy mineral resource potential of Tista River sands, Northern Bangladesh. <i>Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy</i>, 127(3), pp.94-105. https://doi.org/10.1080/25726838.2018.1488357</p> <p>Hasan, A.S.M.M., Hossain, I., Rahman, M.A., Rahman, M.S., Zama, M.N. and Biswas, P.K., 2018. FEG-EPMA mapping and Fe-Ti oxide mineral chemistry of Brahmaputra River sediments in Bangladesh: provenance and petrogenetic implications. <i>Arabian Journal of Geosciences</i>, 11:567, pp.1-14. https://doi.org/10.1007/s12517-018-3905-8</p> <p>Sultana, M.S., Zaman, M.N., Md. Rahman, M.A., Biswas, P.K. and Nandy, P.K., 2018. Mineralogical and Physical Characterization of Clay of Sitakunda Anticline: Used for ceramic Industries. <i>Journal of Minerals and Materials Characterization and Engineering</i>, 6(3), pp.333-344.</p> <p>Sakib, T.U., Sultana, S., Ahmed, A.N., Khan, M.A.A. and Saha, M.S., 2018. Water quality of coal ash pond and its impact on adjoining surface and groundwater systems. <i>American Journal of Water Resources</i>, 6(4), pp.176-180.</p>



2017	Ahmed, A.N., Khan, M.A.A., Saha, M.S. and Sultana, S., 2017. Characterization of coal spoil recovered from coal mine drainage water. <i>Journal of Geoscience and Environment Protection</i> , 5, pp.227-236.
	Ahmed, M.S., Rahmatullah, M. and Khan, M.A.A., 2017. Hydrocarbon gas generation by biochemical process of moderately barophilic methanogens in Barapukuria coal mine gas reservoir and aquifer. <i>Fuel</i> , 210, pp.121-132. https://doi.org/10.1016/j.fuel.2017.06.063
	Biswas, P.K., Uddin, N., Alam, S., Sakib, T.U., Sultana, S. and Ahmed, T., 2017. Evaluation of Heavy Metal Pollution Indices in Irrigation and Drinking Water Systems of Barapukuria Coal Mine Area, Bangladesh. <i>American Journal of Water Resources</i> , 5(5), pp.146-151.
	Sultana, S., Ahmed, A.N., Sultana, S., Biswas, P.K., Saha, B. and Alam, S. 2017. Assessment on Water Quality of Waste Water in Sugar Industry and Its Impact on Environment, <i>Open Access Library Journal</i> , 4, no. 3.
	Rahman, M.A., Zaman, M.N., Biswas, P.K. and Sultana, M.S., 2017. Economic Viability of the Tista River Sand Deposits in Bangladesh - An Overview. <i>Journal of Scientific Research</i> , 9(2), pp.219-233.
	Islam, M.S., Alam, M.M. and Biswas, P.K., 2017. Petrography and geochemical analysis of Fenchuganj Well-2, Sylhet, Bangladesh. <i>SUST Journal of Science and Technology</i> , 27(1), pp.59-70.
	Sakib, T.U. and Sultana, M.S., 2017. Assessment of Heavy Metals Contamination of Agricultural Field around Brick Kilns in Joypurhat District, Bangladesh. <i>International Journal of Science and Engineering Investigations</i> , 6(70), pp.98-105.
2016	Khan, M.A.A., Saha, M.S., Sultana, S. and Ahmed, S.N., 2016. Preparation and characterization of white carbon black from rice husk. <i>Journal of Environmental and Natural Resources</i> , 9(2), pp.1-7.
	Majumder, R.K., Khalil, M.I., Karmaker, S., Khan, R., Das, S., Rahman, M.A. and Zaman, M.N., 2016. Uranium Potentiality of sandstones collected from north-eastern part of Bangladesh. <i>Journal of East China University of Technology</i> , 39, pp.25-31.
	Sultana, S., Biswas, P.K., Rahman, M.A., Sultana, M.S. and Zaman, M.N., 2016. Risk factor Assessment of coal mine drainage water on surrounding agricultural Soil: a case study at Barapukuria in Bangladesh. <i>Journal of Geoscience and Environment Protection</i> , 4, pp.7-17.
	Ahamed, S., Monir, M.U., Biswas, P.K. and Khan, A.A., 2016. Investigation the Risk of Spontaneous Combustion in Barapukuria Coal Mine, Dinajpur, Bangladesh. <i>Journal of Geoscience and Environment Protection</i> , 4, pp.74-79. http://dx.doi.org/10.4236/gep.2016.44010



	Rahman, M.A., Pownceby, M.I., Haque, N., Bruckard, W.J. and Zaman, M.N., 2016. Valuable Heavy Minerals from the Brahmaputra River Sands of Northern Bangladesh. <i>Applied Earth Science: Transactions of the Institutions of Mining and Metallurgy</i> , 125(3), pp.174-188. https://doi.org/10.1080/03717453.2015.1115159
2015	Rahman, M.A., Zaman, M.N., Biswas, P.K., Sultana, M.S. and Nandy, P.K., 2015. Physical Separation for Up gradation of Valuable Metals from the Sand of Someswari River, Bangladesh. <i>Journal of Bangladesh Council of Scientific and Industrial Research</i> , 50(1), pp.53-58.
	Sultana, M.S., Ahmed, A.N., Zaman, M.N., Rahman, M.A., Biswas, P.K. and Nandy, P.K., 2015. Utilization of hard rock dust with red clay to produce roof tiles. <i>Journal of Asian Ceramic Societies</i> , 3(1), pp.22-26. https://doi.org/10.1016/j.jascer.2014.10.005
	Sultana, M.S., Zaman, M.N., Rahman, M.A. and Ahmed, A.N., 2015. Influence of Calcination on Different Properties of Sugarcane Bagasse and Waste Ash. <i>Journal of Scientific Research</i> , 7(3), pp.151-157.
	Sultana, M.S., Rashid, M.H. and Huq, S.M.I., 2015. Interaction of Phosphorus with Arsenite [As(III)] and Arsenate [As(V)] in Soil. <i>Bangladesh Journal of Soil Science</i> , 37(1), pp.47-56.
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	Das, S.C., Ameen, S.M.M., Bari, Z. and Zaman, M.N., 2015. Petrographic Characterization of Crystalline Basement Rocks from Voktipur, Northwest Bangladesh. <i>Jahangirnagar University Journal of Science</i> , 38(1), pp.55-74.
	Hossain, M.S., Ameen, S.M.M., Bari, Z. and Zaman, M.N., 2015. Petrography and Microtextural Characteristics of the Basement Complex of GDH 31, Gaibandha, Bangladesh. <i>Jahangirnagar University Journal of Science</i> , 38(1), pp.39-54.
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Majumder, R.K., Faisal, B.M.R., Zaman, M.N., Uddin, M.J. and Sultana, N., 2015. Assessment of Heavy Metals Pollution in Bottom Sediment of the Buriganga River, Dhaka, Bangladesh by Multivariate Statistical Analysis. <i>International Research Journal of Environment Sciences</i> , 4(5), pp.80-84.	
2014	Halim, M.A., Majumder, R.K. and Zaman, M.N., 2014. Paddy soil heavy metal contamination and uptake in rice plants from the adjacent area of Barapukuria coal mine, northwest Bangladesh. <i>Arabian Journal of Geosciences</i> , 8(5), pp. 3391-3401. https://doi.org/10.1007/s12517-014-1480-1



	<p>Hossain, I., Roy, K.K., Biswas, P.K., Alam, M., Moniruzzaman, M. and Deeba, F., 2014. Geochemical Characteristics of Holocene Sediments from Chuadanga District, Bangladesh: Implications for Weathering, Climate, Redox Conditions, Provenance and Tectonic Setting. <i>Acta Geochimica</i>, 33(4), pp.336–350. https://10.1007/s11631-014-0696-92014</p>
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2013	<p>Hasan, B.A., Kabir, S., Reza, A.H.M.S., Zaman, M.N., Ahsan, A. and Rashid, M., 2013. Enrichment factor and geo-accumulation index of trace metals in sediments of the ship breaking area of Sitakund Upazilla (Bhatiary–Kumira), Chittagong, Bangladesh. <i>Journal of Geochemical Exploration</i>, 125, pp.130-137. https://doi.org/10.1016/j.gexplo.2012.12.002</p>
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	<p>Khan, M.A.A., Saha, M.S., Sultana, S., Ahmed, A.N. and Das, R.C., 2013. Coal Fly Ash of Barapukuria Thermal Power Plant, Bangladesh: Physico Chemical Properties Assessment and Utilization. <i>International Journal of Scientific and Engineering Research</i>, 4(11), pp.1456-1460.</p>
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	<p>Rahman, M.A., Zaman, M.N., Uddin, M.N., Biswas, P.K. and Sultana, M.S., 2013. Beneficiation of Ilmenite from Ultramafic Lamprophyre Rock,</p>



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	Hossain, I., Ahmed, S.S., Islam, M.N., Biswas, P.K. and Rahman, M.A., 2013. Glass sand potentiality of bar sediments from Tista and Dharla Rivers. <i>Bangladesh Journal of Life & Earth and Agricultural Sciences</i> , 41, pp.41-48.
2012	Rahman, M.A., Zaman, M.N., Biswas, P.K., Miah, M.Y., Hossain, T. and Huq, S.M.I., 2012. Characterization of Magnetic Minerals of Brahmaputra River Sand. <i>Bangladesh Journal of Scientific and Industrial Research</i> . 47(2), pp.167-172.
2011	Khan, M.H. and Islam, M.N., 2011. Comparative study on the Material Selection Process for Rickshaw Frames by Weighted Property Method Using Modified Digital Logic and Analysis of Failure. <i>Bangladesh Journal of Scientific and Industrial Research</i> , 46(4), pp.415-424.
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2010	Zaman, M.N, Miah, M.Y., Ahmed, S.S., Uddin, M.N., Alam, A.K.M.B. and Biswas, P.K., 2010. Mineralogy and geochemistry of the sub-surface Lamprophyres of Mithapukur, Rangpur District, Bangladesh. <i>Bangladesh Geoscience Journal</i> , 16, pp.39-56.
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