

Institute of Mining, Mineralogy and Metallurgy (IMMM), BCSIR, Joypurhat

S.N	Year	Title of Research	Research Category	Name of student	Name of academic Institution	Name of supervisors in BCSIR
1.	2023	Petrography and geochemical characteristics of Holocene sediments in Lalmonirhat District	M.Sc	Krima Sultana	Department of Geology and Mining, Rajshahi University	Dr. Pradip Kumar Biswas, PSO, IMMM, BCSIR, Joypurhat
2.	2023	Mineralogy and diagenetic control on chemical composition of Padma river sediments: Implication for provenance reconstructions	M.Sc	Nafisa Tabassum	Department of Geology and Mining, Rajshahi University	Dr. Pradip Kumar Biswas, PSO, IMMM, BCSIR, Joypurhat
3.	2023	Influence of electric field during annealing on the various properties of spin-coated ZnO thin film.	MS	Md. Abdur Rajjak	Dept. of Electrical & Electronic Engineering, University of Rajshahi	Dr. Pradip Kumar Biswas, PSO, IMMM, BCSIR, Joypurhat
4.	2023	Petrography and geochemical characteristics of Holocene sediments in Lalmonirhat District	MSc	Krima Sultana	Department of Geology and Mining, Rajshahi University	Dr. Pradip Kumar Biswas, PSO, IMMM, BCSIR, Joypurhat
5.	2022	Rhizobacteria alone or in combination with organic amendments increase plant growth and soil properties	MSc	Ashika Jannat Rotna	Department of Environmental Science and Resource Management, Mawlana Bhashani Science and Technology University, Tangail	Md. Imam Sohel Hossain, SO, IMMM, BCSIR, Joypurhat
6.	2022	Provenance, weathering and depositional environments of Padma river	MS	Oyon Saha	Department of Geology and Mining, University of Barisal	Dr. Pradip Kumar Biswas, PSO, IMMM, BCSIR,

		sediments, Bangladesh				Joypurhat
7.	2022	Geochemistry, of Sandstone-Mudstone suits of Carboniferous-Permian Gondwana Group, Dighipara Basin, Bangladesh: Implication for Provinces, Weathering, Tectonic setting, Biogeochemical environment and climate change.	MS	Tahosin Islam Orni	Department of Geology and Mining, University of Barisal	Dr. Pradip Kumar Biswas, PSO, IMMM, BCSIR, Joypurhat
8.	2021	Geochemical and heavy mineral characterization of the sand sediments of Brahmaputra-Jumuna River	M.Sc	Oniruddha Chandra	Jahangirnagar University	Pradip Kumar Biswas, PSO, IMMM, BCSIR, Joypurhat
9.	2021	“Sedimentology of the Oligocene Sediments in Bengal Basin, Bangladesh”	MS	Songjukta Mohinta	Jahangirnagar University	Md. Sha Alam, SSO, IMMM, BCSIR, Joypurhat
10.	2021	Grain size and clay minerals of the Late Cenozoic sediments exposed in the Sylhet Trough, Bengal Basin (Bangladesh): Implication for climate change	M.Sc	Md. Sazzad Hossain	Jahangirnagar University	Pradip Kumar Biswas, PSO, IMMM, BCSIR, Joypurhat
11.	2021	Microwave assisted extraction of silicon from River sand	M.Sc	Md. Rownakul Islam	Dept. of Electrical & Electronic Engineering, University of Rajshahi	Pradip Kumar Biswas, PSO IMMM, BCSIR, Joypurhat
12.	2020	Occurrence and distribution of heavy metals in effluent and soil from and around BRB cables	M.Sc	Farzana Tanjim	Department of Geology and Mining, University of Rajshahi	Pradip Kumar Biswas, PSO IMMM, BCSIR,

		industry Khustia, Bangladesh with multivariate statistical approach				Joypurhat
13	2019-2020	Textural and petrographic characterization of sandstone facies in the Neogene surma Group of Teknafand sylhet Region, Bangladesh	MS	Khandokar Arifuzzaman Nur	Dhaka University	Dr. Mohammad Nazim Zaman PSO IMMM, BCSIR, Joypurhat
14.	2019	Sediements of the Tipam sandstone formation, exposed eastern fold belt, Bengal Basin	M.S (Thesis)	Papia Mondol	Jahangirnagar University	Md Sha Alam, SO IMMM, BCSIR, Joypurhat
15.	2019	Provenance study of recent sediments from Atrai River, northwest Bangladesh	M.S (Project)	Md. Rokonuzzaman	Jahangirnagar University	Md. Shams Shahriar, SO IMMM, BCSIR, Joypurhat
16.	2019	Hydrogeochemical analysis of aquifer in Chapai-Nawabganj: implication for targeting low arsenic zone	M.S	Md. Abdus Salam Sheikh	University of Rajshahi	Pradip Kumar Biswas, PSO, IMMM, BCSIR, Joypurhat
	2018-2019	Depositional environment and reservoir prospect analysis of Barail sandstone exposed in the northeastern part of Bangladesh	M.S	Muhit Alam	Dhaka University	Dr. Mohammad Nazim Zaman PSO IMMM, BCSIR, Joypurhat
17.	2017-2018	Provenance, paleoenvironment, and paleoclimatic conditions during deposition of Neogene sediments in the Sitapahar structure, Chittagong-Tripura	M.S	M. M. Saifur Rahman	Jahangirnagar University	Pradip Kumar Biswas, PSO IMMM, BCSIR, Joypurhat

		Fold Belt (CTFB), Bangladesh				
18.	2018	Economic evaluation of mineral sands of mid channel bar of the Padma river opposite to Motihar thana, Rajshahi City Corporation	M.S	Sohag Ali	University of Rajshahi	Dr. Mohammad Nazim Zaman PSO IMMM, BCSIR, Joypurhat
19.	2018	Economic evaluation of mineral sands of lateral channel bar of the Padma river from Kashiadanga to Haripur, Southwest of Rajshahi City Corporation	M.S	Md. Abujar Gaffari	University of Rajshahi	Dr. Mohammad Nazim Zaman PSO IMMM, BCSIR, Joypurhat
20.	2017	Petrography and Geochemistry of the Crystalline Basement Rocks from Barapukuria Coal Basin, Dinajpur	M.S	Md. Shams Shahriar	Jahangirnagar University	Dr. Mohammad Nazim Zaman Director (Add. Charge) IMMM, BCSIR, Joypurhat
21.	2017	Characterization of Crystalline Basement Rocks of Drillhole GDH-62 from Dighipara, Dinajpur District of Northwest Bangladesh: Petrographic and Geochemical Constraints	M.S	Hasibul Zahan	Jahangirnagar University	Md. Aminur Rahman SSO, IMMM, BCSIR, Joypurhat
22.	2017	Geochemical variations of Permo-Carboniferous Gondwana Sequence of Dighipara Basin, Bangladesh	M.S	Md. Arefin Islam Mondol	University of Rajshahi	Pradip Kumar Biswas, SSO, IMMM, BCSIR, Joypurhat

23.	2016	Occurrence of arsenic in core sediment and ground water, Northwestern part of Bangladesh	M.S	Md. Imamul Islam	University of Rajshahi	Pradip Kumar Biswas, SSO, IMMM, BCSIR, Joypurhat
24.	2016	Evolution of Ganges-Mahananda Inter-Fluvial Tract	M.S	Md. Tasrif Akaied	University of Rajshahi	Pradip Kumar Biswas, SSO, IMMM, BCSIR, Joypurhat
25.	2016	The role of organic matter on Arsenic release from sediments into ground water: evidence from south-eastern part (Laksam, Commila District) of Bangladesh	M.S	Md. Atikur Rahman	University of Rajshahi	Pradip Kumar Biswas, SSO, IMMM, BCSIR, Joypurhat
26.	2016	Facies, Paleoenvironment, petrographic and geochemical study of the Dupitila Formation, Sitapahar Anticline (Eastern Flank), Kaptai, Rangamati Hill District	M.S	Snigdha Akhter Shimu	University of Rajshahi	Pradip Kumar Biswas, SSO, IMMM, BCSIR, Joypurhat
27.	2015-2016	Development of biomining consortia of coal degradation & biochemical process optimization for coal biorefinery in context of Bangladesh	M.Sc	Md. Sohail Ahmed	UODA	Dr. Md. Anwar Arfien Khan, PSO, IMMM, BCSIR, Joypurhat

28.	2015-2016	Heavy metals characteristics and health risk assessment of Barapukuria coal mine	M.S	Ishrat Jahan	University of Rajshahi	Dr. Mohammad Nazim Zaman, Director (In-charge), IMMM, BCSIR, Joypurhat
29.	2015-2016	Elevated arsenic and manganese in groundwater of chapainawabganj, Bangladesh	M.S	Most.Amina Khatun	University of Rajshahi	Dr. Mohammad Nazim Zaman, Director (In-charge), IMMM, BCSIR, Joypurhat
30.	2015	Mineralogy and Geochemistry of Padma river sand	M.S	Md. Motiar Rahman	University of Rajshahi	Dr. Mohammad Nazim Zaman, Director (In-charge), IMMM, BCSIR, Joypurhat
31.	2015	Mineralogy and Geochemistry of Jamuna river sand	M.S	Sumon Kumar Saha	University of Rajshahi	Dr. Mohammad Nazim Zaman, Director (In-charge), IMMM, BCSIR, Joypurhat
32.	2015	Occurrence of Arsenic in core sediment in Kurigram District Northwest Bangladesh	M.Sc	Roksana Parvin Rotna	University of Rajshahi	Pradip Kumar Biswas, SSO, IMMM, Joypurhat
33.	2015	Geochemistry of chert of Rajshahi and Bogra District	M.Sc	Md. Sazzadur Rahman	University of Rajshahi	Pradip Kumar Biswas, SSO, IMMM,

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34.	2014	Climate Change and Geotechnical Aspects of Januma River Bank Erosion in Bangladesh	M.S	Syeda Albina Haque	Jahangirnagar University	Pradip Kumar Biswas, SSO, IMMM, Joypurhat
35.	2013-2014	Petrology and Petrogenetic study of the basement rocks from Rangpur district, Bangladesh	M.S	Al Tamini Tapu	Jahangirnagar University	Dr. Mohammad Nazim Zaman, Director (In-charge), IMMM, Joypurhat
36.	2012-2013	Geoelectrical and Hydrogeochemical studies for delineating sea water intrusion in coastal aquifers of Patuakhali District	M.S	S.M. Didarul Islam	Jahangirnagar University	Md. Aminur Rahman, SSO, IMMM, Joypurhat
37.	2011-2012	A Comparative Study of Coal from Barapukuria, Dighipara and Khalaspeer Mines from Bangladesh for their Rational Utilization	M.Sc	Md. Raufur Rahman	University Dhaka	Dr. Md. Anwar Arfien Khan PSO, IMMM, BCSIR, Joypurhat
38.	2010-2011	Stratigraphy and Paleoenvironmental Study of the Quaternary Deposits of Joypurhat Area, North-west Bangladesh	M.Sc	Md. Sha Alam	University of Rajshahi	Dr. Mohammad Nazim Zaman, PSO, IMMM, BCSIR, Joypurhat

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39.	2010-2011	Petrological and chemical studies of drill core samples from Rangpur, District	M.S	Md. Sakaouth Hossain	Jahangirnagar University	Dr. Mohammad Nazim Zaman, PSO, IMMM, BCSIR, Joypurhat
40.	2010-2011	Petrological and chemical studies of drill core samples from Dinajpur, District	M.S	Suded Chandra Das	Jahangirnagar University	Dr. Mohammad Nazim Zaman, PSO, IMMM, BCSIR, Joypurhat
41.	2010-2011	Geo-environmental pollution of ship-breaking area of the Sitakunda Upazila, Chittagong	M.Sc	Mst. Asma Binta Hassan	University of Rajshahi	Dr. Mohammad Nazim Zaman, PSO, IMMM, BCSIR, Joypurhat
42.	2010-11	Elemental analysis and heavy mineral separation of Jamuna River Bar Sand and environmental hazard assessment	M.Sc	Md. Sharif Uddin	Jahangirnagar University	Dr. Mohammad Nazim Zaman, PSO, IMMM, BCSIR, Joypurhat