

SUST Research Centre, Shahjalal University of Science and Technology , SUST

List of Approved Projects (Special) FY2023-24 by University Grants Commission (Code 3631108)

SL	Project ID	Dept	Title of the Project	Name of the Researcher (PI & CI)	Duration	Approved Budget	Allocated Amount for 2023-24	Coments
1	PS/2023/2/12	CHE	Design and development of electrochemical sensor based on conducting polymer for on-site measurement of pathogenic bacteria in food products.	PI: Professor Dr. Shishir Kanti Pramanik, Dept of CHE, SUST	2 year			
2	PS/2023/2/20	MAT	Algebras and Its Some Subclasses Associated to Ternary Operations.	PI:Dr. Chandrani Nag, Professor Department of Mathematics, SUST	2 year			
3	PS/2023/2/31	STA	Missing Data: A Critical Investigation in the Context of Cross-sectional Studies	PI: Professor Dr. Md. Jamal Uddin, Dept of STA, SUST	2 year			
4	LS/2023/2/16	GEB	Inhibition of Carbohydrate Hydrolyzing Enzymes Linked to Type 2 Diabetes by Spiny Gourd (Momordica dioica Roxb.) Extracts: An Alternative Approach to Manage Diabetes Mellitus	PI: Dr. Md. Jahangir Alam, Professor, Dept. of Genetic Engineering and Biotechnology & CI: Dr. Md. Kamrul Islam, Professor, Dept. of Genetic Engineering and Biotechnology, SUST	2 year			
5	LS/2023/2/17	GEB	Elucidation of Mutations in the TP53 Gene of the Lung Cancer Patients in Bangladesh: Targeting Hotspot Exon 4-8	PI: Dr. Mohammad Jakir Hosen Professor, Dept. of Genetic Engineering and Biotechnology, SUST	2 year			
6	FES/2023/2/01	FES	Ecosystem health assessment through developing a comprehensive quality index for the Sundarbans Mangrove Forest	PI: Dr. Mohammed Abu Sayed Arfin Khan, Professor, Department of FES, SUST	2 year			
7	FES/2023/2/02	FES	Identifying the climatic and environmental influences on tree growth and hydraulic functioning in major trees species in coastal mangrove plantations, Bangladesh	PI: Dr. Md. Qumruzzaman Chowdhury, Professor, Department of Forestry and Environmental Science, SUST	2 year			
8	FES/2023/2/08	FES	Understanding Forest Structural and Functional Complexity in the Sundarbans Mangrove Forest	PI: Dr. Swapan Kumar Sarker, Professor, FES & CI: Dr. AZM Manzoor Rashid, Professor, FES, SUST	2 year			
9	AS/2023/2/20	CSE	Bangla-English Direct Speech-to-Speech Translation without using Text Data	PI: Professor Dr. Mohammad Shahidur Rahman, Dept. of CSE, SUST	2 year			

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10	AS/2023/2/30	FET	Co-existence of mcr and β -lactamase resistance genes in colistin-resistant and extended-spectrum β -lactamase (ESBL)-producing E. coli and Klebsiella spp. in street foods in Bangladesh	PI: Dr. G.M. Rabiul Islam, Professor, Department of Food Engineering and Tea Technology, SUST	2 year			
11	AS/2023/2/39	IPE	Developing Circular Business Model for End-of-Life Electric Vehicles in Bangladesh	PI: Dr. Md. Rezaul Hasan Shumon, Associate Professor, Dept of IPE & CI: Professor Dr. M. Muhshin Aziz Khan, Dept of IPE, SUST	2 year			
12	SS/2023/2/01	ANP	'Disabled' Lives, 'Disability' Rights: A Multisite Qualitative Study of the Experiences of Students with Disabilities in Public Universities in Bangladesh	PI: Professor Dr. AFM Zakaria, Dept of ANP, SUST	2 year			
13	SS/2023/2/02	ANP	A Situation Analysis of the community participation in Universal Health Coverage in Bangladesh: Cases of Sylhet and Rajshahi	PI: Professor Dr. AKM Mazharul Islam, Dept of ANP, SUST	2 year			
14	SS/2023/2/09	ANP	Health Challenges and Coping Strategies of Rural-to-Urban Migrant Garment Factory Workers in Bangladesh: A Qualitative Study of Lived Experiences	PI: Dr. Md. Shahgahan Meah, Associate Professor, Dept. of ANP, SUST	2 year			
15	SS/2023/2/16	BNG	সেলিম আল দীনের নাটক লোকজীবন	পিআই: ড. মো. জাহাঙ্গীর আলম, সহযোগী অধ্যাপক, বাংলা বিভাগ, শাবিপ্রবি, সিলেট।	2 year			
16	SS/2023/2/28	PSS	Climate Change Challenges in Bangladesh: A case study of flash flood 2022 in Sylhet Division	PI: Dr. Syed Ashrafur Rahman, Professor, Department of Political Studies, SUST	2 year			
17	SS/2023/2/41	SCW	Barriers and facilitators to the formal education for students with disabilities in Bangladesh: A Study	PI: Dr. Md Abdul Jalil, Professor, Department of Social Work & CI: Muhammed Muazzam Hussain Professor, Department of Social Work, SUST	2 year			
18	SS/2023/2/56	BUS	Impact of industry 4.0 on education 4.0 at the university level for overcoming the challenges to achieving SDGs in Bangladesh: An empirical investigation	PI: Dr. Mohammad Mizener Rahaman, Professor, Department of Business Administration, SUST	2 year			

