

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

List of Approved Projects (Special) for funding in the FY2022-23 by University Grants Commission (Code 3631108)

SL	Project ID	Dept	Title of the Project	Name of the Researcher (PI & CI)	Duration	Coments
1	PS/2022/2/15	MAT	Numerical solution of one-dimensional Richards' equation for heterogeneous soils	PI: Dr. Mohammad Sayful Islam, Professor, Dept of MAT, SUST	2 years	
2	PS/2022/2/21	PHY	Preparation and Characterization of Polymeric Membrane	PI: Professor Dr. Mst. Khurshida Begum, Dept of Physics & CI: Professor Dr.Md Akhtarul Islam, Dept of Chemical Engineering and Polymer Science, SUST	2 years	
3	PS/2022/2/27	STA	Lessening the Haor Inhabitant's Poverty via Raising Resilience amidst Flood, Credit-trap and Covid-19	PI: Professor Dr. Md. Zakir Hossain, Department of Statistics, SUST	2 year	
4	PS/2022/2/28	STA	Social and technological infirmity of the student at NGO's school and challenges to develop a foundation for entering higher education: An empirical investigation on Sunamganj District of Bangladesh	PI: Dr. Md. Kabir Hossain, Professor, Department of Statistics, SUST	2 year	
5	PS/2022/2/30	STA	The Role of Information and Communication Technology on Secondary Schools Efficiency in Sylhet Division of Bangladesh: A Study from Teachers' and Students' Preference and Perceptions	PI: Professor Dr. Md. Azizul Baten, Department of Statistics, SUST	2 year	
6	LS/2022/2/16	GEB	Study on Antimicrobial and Plant Growth Promoting Activities of Endophytic Bacterial and Eungal Isolates from <i>Azadirachta indica</i>	PI: Professor Dr. Md. Abul Kalam Azad, Dept. of Genetic Engineering and Biotechnology, SUST	2 year	
7	FES/2022/2/01	FES	Assessing the status of biodiversity, soil quality, and dependency of forest communities in Satchari National Park	PI: Professor Dr. Narayan Saha, Dept of FES, SUST	2 year	
8	FES/2022/2/05	FES	Assessing wild Epiphytic orchid diversity and host tree interactions in north-eastern Forest Protected Areas of Bangladesh along environmental gradients	PI: Dr. Kazi Mohammad Masum Professor, Dept of FES, SUST	2 year	
9	FES/2022/2/06	FES	An Ecological and Economical Analysis of Different Forest Management Institutions in a Wetland Ecosystem of Bangladesh	PI: Professor Dr. Mohammad Belal Uddin, Dept. of Forestry and Environmental Science, SUST.	2 year	

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10	FES/2022/2/08	FES	Elucidation of the importance of medicinal plants at a case study and physio-biochemical responses of selected medicinal plants hydroponically grown under heavy metal stress	PI: Professor Dr. Romel Ahmed Department of Forestry and Environmental Science, SUST	2 year	
11	AS/2022/2/16	CEE	Assessing future drought risk under changing climate in Bangladesh	PI: Dr. Ahmad Hasan Nury Associate Professor, Dept of CEE & CI: Gulam Md. Munna, Associate Professor, Dept of CEE, SUST	2 years	
12	AS/2022/2/20	CSE	Construct a model for designing and development applications and tools and proposing best practices for the children considering their privacy and security in global south context	PI: Professor Dr. Md. Jahirul Islam, Dept of CSE, SUST	2 year	
13	AS/2022/2/23	CSE	Sentiment Analysis of Online Public Comments in Bangla on BD Government Decisions	PI: Prof Dr. Mohammad Abdullah Al Mumin, Dept of CSE, SUST	2 year	
14	AS/2022/2/39	IPE	Development of a Circular Economy model for small and medium enterprises in Bangladesh	PI: PI: Professor Dr. Ahmed Sayem, Dept of IPE & CI: Pritidipto Paul Chowdhury, Lecturer, Dept of IPE, SUST	2 years	
15	AS/2022/2/40	IPE	Sustainable Manufacturing of Small and Medium-sized Enterprises: Model Development and Strategy Formulation for Performance Enhancement	PI: Dr. M. Muhshin Aziz Khan Professor, Dept of IPE & CI: Md. Jahedul Alam, Lecturer, Dept of IPE, SUST	2 years	
16	SS/2022/2/21	ECO	An examination of the empirical models of discrete measures of environmental change, migration and violent conflict	PI: Dr. Mohammad Abdul Munim Joarder, Professor, Department of Economics, SUST	2 years	
17	SS/2022/2/28	PSS	An empirical study on the co-evolution of the processes of climate change and coping strategies in natural resource management in the Haor areas of Bangladesh	PI: Dr Mohammad Jahirul Hoque, Professor, Department of Political Studies & CI: Subrata Das, Assistant Professor, Department of Architecture, SUST	2 years	
18	SS/2022/2/41	SCW	Parenting Challenges and Coping in Parents of Children of Autistic Spectrum Disorder (ASD)	PI: Professor Dr. Neaz Ahmed, Dept of SCW & CI: Abul Kashem, Associate Professor, Dept of SCW, SUST	2 years	

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19	SS/2022/2/49	SOC	Resilience and Well-being of Wetland Fishers to Climate Shocks and Stresses of Fishery Co-management	PI: Mohammed Anwar Hossain, Professor, Department of Sociology, SUST	2 years	
20	SS/2022/2/51	SOC	Disaster risk reduction interventions in Rohingya refugee camps in Bangladesh: effectiveness and challenges	PI: Dr. Sebak Kumar Saha, Professor, Department of Sociology, SUST	2 year	
21	SS/2022/2/56	BUS	Possible Impact of COVID-19 on Achieving Sustainable Development Goals.	PI: Professor Dr. Md. Monirul Islam, Dept of Business Administration, SUST	2 years	
22	SS/2022/2/60	BUS	Impacts of COVID - 19 on Socio-Economic Changes and overcoming the challenges of SDGs on the Economy, Education, and Employment through Entrepreneurship in Bangladesh	PI: Dr. Mohammad Shahidul Hoque, Professor , Dept of Business Administration	2 year	
23	SS/2022/2/63	BUS	Industry-Academia Collaboration: the Bangladesh Perspective	PI: Professor, Dr. Mazharul Hasan Mazumder, Dept of Business Administration	2 year	
			2 years (General) Projects			
24	SS/2022/2/46	SCW	Sexual and Reproductive Health Behavior and the Practices of Family Planning Methods among People Living in Bhasanchar Rohyinga Camp	PI: Dr. Faisal Ahmmed, Professor, Dept of Social Work & CI: Dr. Mohammad Shahjahan Chowdhury, Associate Professor, Dept of Public Administration, SUST	2 year	
25	SS/2022/2/03	ANP	Religious and other Cross-border Identity narratives in Peripheral Localities: A multi-sited socio-cultural analysis on 'localism' and 'otherness' in Bangladesh-India Border	PI: Choudhury Farhana Jhuma, Associate Professor, Dept of ANP & CI: Sanjay Krishno Biswas, Assistant Professor, Dept of ANP, SUST	2 year	
26	SS/2022/2/09	BNG	দেশভাগের বাস্তবতায় মুসলিম সমাজ : একটি সমীক্ষা	পিআই: ড. নিলুফা আকতার, অধ্যাপক, বাংলা বিভাগ সিআই: মো. জাহাঙ্গীর আলম, সহকারী অধ্যাপক, বাংলা বিভাগ, সিলেট।	2 year	
27	PS/2022/2/32	STA	Elderly multiple disease outcomes and disability of indigenous elder people in Bangladesh using machine learning approach	PI: Dr. Kanis Fatama Ferdushi, Associate Professor & CI: Professor Dr. Sabina Islam, Dept of STA, SUST	2 year	
28	PS/2022/2/34	STA	Identifying the factors related to skin diseases in Bangladesh: A cross-sectional study	PI: Professor Dr. Mohammad Ohid Ullah, Dept of STA, SUST	2 year	