


R & D 2023-2024 (Applied Science & Engineering Group)				
Reg. No.	Name	Address	Organization/University	Project Title
1	Sagar Kumar Dutta	Asst. Prof, Dept. of Chemistry Discipline, KU	KU	Chemically modify cost-effective bio-adsorbent for the removal of toxic organic dye from aqueous solution.
2	Dr. Pintu Chandra Shill	Prof, Dept. of Computer Science & Engineering, KUET	KUET	Protein Structure Prediction in Structural Genomics without Alignment Using Support Vector Machine
3	Tajnuba Sharmin	Lecturer, Dept. of Food Engineering & Technology,	HSTU	Development, Proximate Composition and Sensory Preference of meat substitute Sausages with Unripe
4	Mohammad Noor Nabi	Asst. prof, Dept. of Textile Engineering, Atish Dipankar University of Science & Technology	Atish Dipankar University of Science & Technology	Textile Wastages, Composite Material, Lightweight, Compressive Strength, Recycle, Sustainability.
5	Dilshad Islam	Associate Professor, Dept. of Physical & Mathematical Sciences, CVASU	CVASU	An intelligent framework for predicting diabetes mellitus and associated risk factors analysis using machine learning techniques.
6	Abu Yousuf	Scientific Officer, Institute of Mining, Mineralogy & Metallurgy, BCSIR, Joypurhat	BCSIR, Joypurhat	Synthesis of carbon black as a printing toner pigment from processing of waste tire.
7	Md. Abdul Wazed	Lecturer, Dept. of Food Engineering and Technology,	HSTU	Utilization of jackfruit and its by-products for preparing fortified bakery products.
8	Mir Tuhin Billah	Lecturer, Dept. of Food Engineering and Technology, HSTU	HSTU	Analyzing the Potential of Broken Rice Starch as a Thickening Agent in Vegetable Soup Prepared from Whole Moringa Pods versus Commercially available
9	Towkir Ahmed Ove	Lecturer, Dept. of Food Science and Nutrition, HSTU	HSTU	Development of ecofriendly bioplastic from various peel and seed starch incorporated with microcrystalline
10	Dr. Md. Moynul Islam	Asst. Prof, Dept. of Chemistry, BAUET	BAUET	The Study of Various Parameters on Cyclic Voltammetry and Electrodeposition of Cadmium in
11	Raton Kumar Bishwas	Scientific Officer, IGCRT, BCSIR, Dhaka	IGCRT, BCSIR, Dhaka.	Modification of ceramic coating using synthesized ultrafine pure alumina.
12	Md. Ashrafur Alam	Scientific Officer, IGCRT, BCSIR, Dhaka	IGCRT, BCSIR, Dhaka.	Synthesis, Characterization and Antibacterial Activity of Silver and Copper Doped Titania Coating substrate.
13	Md. Shohel Rana	Scientific Officer, Institute of Mining, Mineralogy & Metallurgy, BCSIR, Joypurhat	BCSIR, Joypurhat	Determination of methods for free mica content in sandy soil for civil engineering purposes.
14	Mashrafi Bin Mobarak	Scientific Officer, Glass Research Division, IGCRT,	IGCRT, BCSIR, Dhaka.	Synthesis and in-situ drug loading of hydroxyapatite utilizing waste material and evaluation of its drug
15	Md. Izharul Haque Azad	Lecturer, Dept. of Civil Eng, BAUST	BAUST	Influence of Non-Biodegradable Wastes in the Durability and Strength Characteristics of
16	Dr. Muhammad Shafiur Rahman	Associate Professor, Dept. of Food Engg. & Technology, State University of Bangladesh.	SUB	Yield, erucic acid content and physicochemical properties of oils from different varieties of mustard seeds grown in Bangladesh.
17	Md. Asaduzzaman	Lecturer, Dept. of Food Engineering and Technology, State University of Bangladesh.	SUB	Influence of extraction parameters and stability of lycopene extracted from red amaranth during storage.
18	Md Monirujjaman	Lecturer, Dept. of Food Engineering and Technology, State University of Bangladesh.	SUB	Effect of air frying temperature on texture and develop kinetic model of air fried carrot chips.
19	Md. Firoz Kabir	Assistant Professor, Dept. of IPE, BAUST	BAUST	Investigation of Control Factors of Coir and pineapple leaf fiber reinforced composite.
20	Farhana Boby	Scientific Officer, Fruits & Food Proc. & Pres. Research Division, BCSIR, Rajshahi.	BCSIR, Rajshahi	Enzymatic clarification of fruit juice and vinegar using purified xylanase from Bacillus pumilus RG03
21	Md. Sabbir Hasan	Scientific Officer, Natural Products Research Division,	BCSIR, Rajshahi	Preparation of Polyhydroxyester Film from Aleuritic Acid.
22	Md. Mahmudur Rahman	Scientific Officer, Oils, fats Research Division, BCSIR,	BCSIR, Rajshahi	Fabrication of nanomembranes from biomass for the purification of industrial wastewater.
23	Dr. Md Abdur Rashid Sarker	Associate Professor, Dept. of ACEE, SAU	SAU	LED-based photodynamic disinfection of multidrug-resistant bacteria using natural photosensitizer in
24	Dr. Faridul Islam	Senior Scientific Officer, BCSIR, Rajshahi.	BCSIR, Rajshahi	Removal of inorganic pollutants from wastewater using synthesized nanocomposite.
25	Md. Al-Amin	Scientific Officer, Fiber & Polymer Research Division,	BCSIR, Rajshahi	Preparation of Biodegradable Hydrogel & Its Potential Applications in Agriculture Sector.
26	Md. Ahasanur Rabii	Senior Scientific Officer, Fiber & Polymer Research Division, BCSIR, Rajshahi.	BCSIR, Rajshahi	Preparation of Antibacterial fabrics for wound healing.

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27	Bijoy Maitra	Scientific Officer, Fiber & Polymer Research Division,	BCSIR, Rajshahi	Development of Starch-Silver nanoparticles (St-AgNPs) Film for Fruit Preservation.
28	Md. Zia Uddin Rasel	Research Chemist, Fiber & Polymer Research Division,	BCSIR, Rajshahi	Synthesis of Natural dye from <i>Acacia nilotica</i> seed pod & its application on Cotton & silk fabric.
29	Md. Jawad Hasan	Lecturer, Leather Engineering & Technology, DU	DU	Application of Collagen Hydrolysate Enzymatically Extracted from Raw Trimmings in Proteolytic Enzyme
30	Mysha Maliha	Lecturer, Leather Engineering and Technology, DU	DU	Development and Characterization of Collagen, Boiled Rice Water, and Chitosan Based Edible Packaging
31	Sumaiya Mim	Lecturer, Leather Products Engineering, DU	DU	Valorization of tannery keratinous solid waste for the development of Biodegradable Plastic.
32	Fatema Tujjohra	Lecturer, Institute of Leather Engineering & Technology, DU	DU	Preparation of Biodiesel from Raw Trimming Solid Waste of Tannery Industry.
33	Md. Samaul Alam	Lecturer, Institute of Leather Engineering & Technology, DU	DU	Sustainable Chrome Tanning by Crude Protease Enzymes: Enhanced Chemical Uptake and Reduction
34	Md. Ariful Islam	Lecturer, Institute of Leather Engineering & Technology, DU	DU	Preparation of Leather trimming dust and ZnO nanoparticle-reinforced composite for footwear insole
35	Dr. Md. Mahmudul Hasan	Head, Dept. of Civil Engineering, BAUST	BAUST	Assessment of drinking water quality, sanitation facilities, hygiene practices and fecal sludge management (FSM) status of government primary
36	Mst. Sharmin Nahar	Lecturer, Dept. of Fisheries & Marine Bioscience, JUST	JUST	Morpho-molecular identification of fiddler crabs <i>Uca rosea</i> and <i>Uca urvillei</i> from Sundarbans, Bangladesh.
37	Firoz Ahmed	Scientific Officer, Fibre & Polymer Research Division,	BCSIR, Rajshahi	Water Soluble Quaternary Chitosan Derivatives-Sustainable Antimicrobial Finishing Agents for Cotton
38	Md. Ziaul Hasan Majumder	Scientific Officer, Institute of Electronics, AERE	AERE	Machine Learning Approach for High-Resolution Antibiotic Drug-resistant Profiling.
39	Tumpa Saha	Scientific Officer, Institute of Nuclear Minerals, AERE, Savar, Dhaka	AERE	Study on Geomorphological Changes Using Drone and Satellite Image Analysis for Economic Mineral Prospecting at Kutubdia Island, Cox's Bazar.
40	Md. Ismail Hossain	Scientific Officer, Natural Products Research Division,	BCSIR, Rajshahi	Preparation of Metal Oxide Nanocomposite and Potential Application on Waste Water.
41	Dr Kamrunnaher Monalisa	Associate Professor, Dept. of Food Engg. & Tea Technology,	SUST	Effect of hydrocolloids incorporation on the quality of frozen-cooked noodles: Textural and microstructural
42	Md. Faisal Ahmed	Lecturer, Dept. of Electrical and Electronic Engineering, NSTU	NSTU	Real-time patient's health condition monitoring and control by a hybrid system using machine learning.
43	Mahamudul Hashan	Asst. Prof, Dept. of Petroleum & Mining Eng, SUST	SUST	Data driven computational approaches to predict permeability from core data in a petroleum reservoir.
44	Labiba Nusrat Jahan	Associate Prof, Dept. of Petroleum & Mining Eng, SUST	SUST	Mineral identification using convolutional neural network: A deep learning approach.
45	Md. Selim Hossain	Lecturer, Dept. of ECE, HSTU	HSTU	Design and Performance Analysis of On-Sensor-Based Photonic Crystal Fiber
46	Md. Ashikur Rahman	Research Officer, IBBBS, BSMR Maritime University.	BSMR Maritime University.	A Remote Sensing Approach to Identify Environmental Economics Considering Blue Carbon
47	Dr. Md Abdur Rahim	Associate Professor & Chairman, Dept. of Computer Science and Engineering, PUST	PUST	Smart Classroom: Real-time motion tracking-based student attendance and activity recognition using Internet-of-things (IoT).
48	Md. Shahin Hossain	Asst. Prof, Dept. of Environmental Science, BGMEA University	BGMEA	Plant Based Novel Natural Cellulose Filler from the Bark of Jack Tree and Fiber from the Bark of <i>Annona reticulata</i> -Extraction, Characterization and Potential
49	Dr. Md. Rashedul Islam	Associate Professor, Dept. of Electrical, Electronic and Communication Engineering,	PUST	Tri square resonator-based metamaterial sensor with high quality factor for detection of edible oil adulteration.
50	Dr. Hossain Mohammad Zakir	Asst. Prof, Dept. of Chemical Engineering, Z H Sikder University of Science &	Z H Sikder University of Science &	Synthesis of 1-methylcyclopropene and utilized as an ethylene inhibitor to prolong the shelf life of numerous perishable fruits and vegetables and promotes food
51	Md. Ashraful Alam	Professor, Dept. of Applied Chemistry and Chemical Engineering, NSTU	NSTU	Microwave assisted Kappa carrageenan/Lignin/Acrylamide based hydrogel preparation, characterization and its application in dye
52	Md. Abu Taleb Prodhan	Lecturer, Dept. of Food Engineering and Tea	SUST	Green Revolution: Assessing Microalgae's Role in Sustainable Food Production in Bangladesh.
53	Dhiman Dey	Researcher, Institute of Energy, DU	DU	Development and performance analysis of a small-scale vertical axis wind turbine for roadside
54	Kawsar Akhtar	Lecturer, Institute of Leather Engineering & Technology, DU	DU	Development of bio-composite sheet from tannery solid waste and plant-derived fiber: A Waste-to-wealth
55	Md. Arafat Hossain	Lecturer, Institute of Leather Engineering & Technology, DU	DU	Preparation of natural rubber latex based composite using tannery solid waste (Shaving dust) and incorporate nanoparticle for antimicrobial artificial

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56	Md. Saidur Rahman Shakil	Lecturer, Institute of Leather Engineering & Technology, DU	DU	Sustainable Leather Production: Extraction of fat from tannery solid waste and reusing developed fat and tallow in leather processing- A holistic approach to
57	Md. Sakawat Hossain	Lecturer, Institute of Leather Engineering & Technology, DU	DU	Removal of chromium from tannery effluent using waste material.
58	Md. Delwar Hossain	Lecturer, Institute of Leather Engineering & Technology, DU	DU	Development of Diabetic Footwear in Case of Lowering the Risk of Ulcer for the Diabetic Relevant
59	Sanjida Khan	Lecturer, Footwear Engineering, Institute of Leather Engineering & Technology, DU	DU	Utilization of waste buffing dust for the treatment of textile effluent.
60	Sunzida Haque Rimu	Lecturer, Institute of Leather Engineering & Technology, DU	DU	Development of cost-effective natural microspheres for the treatment of tannery wastewater.
61	Mohammad Sajjad Hossain	Senior Scientific Officer, Metallurgy Division, IMMM, BCSIR, Joypurhat.	BCSIR, Joypurhat.	Design and Development of Storage System: A Green Flexible Energy Harvester Composite of Degradable Cellulose, Piezoelectric Polymers and Nanoparticles of B-TiO ₂
62	Md. Adib Hossain Chisty	Lecturer, Institute of Leather Engineering & Technology, DU	DU	A Facile approach to mitigate chromium ion from tannery waste water using waste orange peel.
63	Md. Rayhan Sarker	Lecturer, Institute of Leather Engineering & Technology, DU	DU	Fabrication of composite material from leather solid wastes: A circular economy approach.
64	Dr. Ahmed Al Mansur	Associate Prof, Dept. of Electrical & Electronic Engineering, Green University of	GUB	Impact of various dust components on the output power degradation of photovoltaic modules: An experimental investigation
65	Dr. Tahsina Farah Sanam	Associate Professor, Institute of Appropriate Technology, BUET	BUET	An Intelligent and Cost-Effective Energy Management System for Smart Buildings Through An IoT
66	Md. Abdus Shabur	Lecturer, Institute of Leather Engineering & Technology, DU	DU	Investigating the challenges and opportunity of implementing Industry 4.0 in fertilizer industries of
67	Md. Dulal Hosen	Research Assistant, Dept. of Textile Engineering, MBSTU	MBSTU	Development of a sustainable nonwoven fibrous food packaging material from abandoned pineapple plant
68	Riyadh Hossen Bhuiyan	Scientific Officer, Fibre & Polymer Research Division,	BCSIR, Dhaka.	Amination of alkali lignin through flow chemistry approach.
69	Md. Rezaul Karim	Senior Lecturer, Dept. of Textile Engineering, Port City International University	Port City International University	Treatment of Dye Effluents via Bio-adsorption Technology: Regulate the Ecological Parameters of Effluents.
70	Selina Sharmin	Associate Professor, Dept. of Computer Science & Engineering, JnU	JnU	In Improved Machine Learning-Based Approach for Intrusion Detection in Wireless Sensor Networks.
71	Md. Tauhid Bin Iqbal	Assistant Professor, Dept. of Computer Science and Engineering, Stamford	Stamford University Bangladesh.	AnnotateBangla: An AI-enabled Bangla Character annotation Tool.
72	Dr. Sifat Sarwar	Assistant Professor, Architecture Discipline, KU	KU	Uncertainty quantification in flood extent due to uncertain sea level rise in the coastal region of
73	Mahfujur Rahman	Lecturer, Dept. of ECE, HSTU	HSTU	Design and performance analysis of a microstrip patch antenna for ultra-wideband wireless applications.
74	Md. Muslimuzzaman	Professor, Dept. of Food Engineering and Tea Technology (FET), SUST	SUST	Mat Drying Technique for High Quality Tomato Powder Production to reduce Post-Harvest Losses.


 রতন কুমার মন্ডল
 উপসচিব
 বিজ্ঞান ও প্রযুক্তি মন্ত্রণালয়
 গণপ্রজাতন্ত্রী বাংলাদেশ সরকার