



বাংলাদেশ বিশ্ববিদ্যালয় মঞ্জুরী কমিশন

University Grants Commission of Bangladesh

আগারগাঁও শেরেবাংলানগর, ঢাকা-১২০৭

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বাংলাদেশ

বিশ্ববিদ্যালয় মঞ্জুরী কমিশন

বাংলাদেশ বিশ্ববিদ্যালয় মঞ্জুরী কমিশনের রিসার্চ সাপোর্ট এন্ড পাবলিকেশন ডিভিশনের বিজ্ঞান ও প্রযুক্তি শাখার রাসায়নিক বিজ্ঞান উপ-শাখায় ২০২১-২২ অর্থবছরে প্রাপ্ত মোট ৩৪টি গবেষণা প্রকল্প প্রস্তাব বিশেষজ্ঞ কর্তৃক মূল্যায়ন করা হয়। তন্মধ্যে ২২টি গবেষণা প্রকল্প (কমিশন কর্তৃক নির্ধারিত সূচকের ভিত্তিতে) চূড়ান্ত অনুমোদন দেয়া হয় এবং ১২ টি প্রকল্প প্রস্তাব বাতিল করা হয়। চূড়ান্ত অনুমোদিত ২২টি ও অননুমোদিত বা বাতিলকৃত ১২টি গবেষণা প্রকল্পের বিবরণ:-

ক্র. নং	প্রকল্প পরিচালকের নাম ও ঠিকানা	গবেষণা প্রকল্পের শিরোনাম	মন্তব্য
১.	Dr. Taslim Ur Rashid Associate Professor Dept. of Applied Chemistry and Chemical Engineering Faculty of Engineering and Technology University of Dhaka	Surface Modification of Chitosan with 3-Cyanopropyltrichlorosilane and Subsequent Reduction with Lithium Aluminium Hydride (LiAlH_4) for Removal of Anionic Dye from Aqueous Solution	অনুমোদিত
২.	Dr. Md. Kamal Hossain Associate Professor Department of Chemistry Jahangirnagar University, Savar	Synthesis and structural investigation of nickel complexes containing heterocyclic ligands and their possible electrochemical investigation	অনুমোদিত নয়
৩.	Dr. Kaykobad Md. Rezaul Karim Associate Professor Chemistry Discipline Khulna University, Khulna-9208	Synthesis and characterization of reduced graphene oxide (rGO) based metal oxide heterostructured photocatalyst for dye degradation under light irradiation.	অনুমোদিত
৪.	Md. Kamrul Hasan Assistant Professor Faculty of Science Department of Chemistry University of Dhaka, Dhaka-1000	Chemical and pharmacological investigation of the <i>Musa paradisiaca</i> L. inflorescence: An indigeneous plant in Bangladesh	অনুমোদিত নয়
৫.	Dr. Mohammad Sharifur Rahman Department of Pharmaceutical Chemistry Faculty of Pharmacy University of Dhaka Dhaka-1000, Bangladesh	Synthesis of some chalcones and their dihydropyrazole and pyrimidine derivatives as well as evaluation of their antioxidant and anticancer potentials	অনুমোদিত
৬.	Dr. Saika Ahmed Assistant Professor Department of Chemistry University of Dhaka	Porous Organic/Inorganic Polymer Composite from Polyaniline and Silica for Adsorption of Dye	অনুমোদিত নয়
৭.	Dr M Nuruzzaman Khan Associate Professor Department of Applied Chemistry and Chemical Engineering University of Dhaka, Dhaka-1000	Functional cationic polymer based semi-IPN nanocarrier for drug delivery application	অনুমোদিত নয়

৮.	Dr. Md. Ershad Halim Professor Department of Chemistry University of Dhaka	“Synthesis, Isolation and Characterization of Some Biologically Active Chalcones and Chalcone-Based Derivatives”	অনুমোদিত
৯.	Dr. Mohammad Helal Uddin Professor Department of Applied Chemistry and Chemical Engineering University Of Chittagong	Isolation, Identification, <i>In-vivo</i> , <i>In-vitro</i> and <i>In-silico</i> study of Compounds from Acetone Extract of marine sponge <i>Tetilla sp</i>	অনুমোদিত নয়
১০.	Name: Dr. Mohammad Mamun Hossain Professor Department of Chemisry JahangirnagarUniversity	Antibiotic Mimics Synthesis for the Screening of their Antimicrobial Activity under Solvent-free Microwave Condition	অনুমোদিত
১১.	Dr. Zinia Nasreen Professor Department of Chemistry, DUET Gazipur-1707	Preparation and Characterization of Biodiesel from Rain Tree (<i>Samanea saman</i>) Seeds	অনুমোদিত
১২.	Md. Ahsan Habib Professor, Department of Chemistry University of Dhaka	Quantification and source identification of per- and polyfluorinated alkyl substances (PFASs) in air and various environmental matrices in Bangladesh	অনুমোদিত
১৩.	Prof. Dr. Nasrin Jewena Department of Chemistry Jahangirnagar University, Dhaka-1342	Green Synthesis of Silver Nanoparticles by Supercritical Water and its Antimicrobial Study	অনুমোদিত
১৪.	Mashura Shammi, PhD Professor Department of Environmental Sciences Jahangirnagar University	Mapping anthropogenic impacts on the biogeochemical characteristics of carbon dynamics in estuarine water and sediments of Bangladesh Sundarbans	অনুমোদিত
১৫.	Dr. Md. Harun-Al-Rashid Associate Professor Department of Chemistry Begum Rokeya University, Rangpur	Evaluation of water quality index and geochemical characteristics of groundwater from Rangpur city, and removal of Lead (Pb) pollutant using magnetic polymer nanoparticles.	অনুমোদিত নয়
১৬.	Dr. Kamol Dey Associate Professor Applied Chemistry and Chemical Engineering University of Chittagong (CU)	Synthesis of Superabsorbent Hydrogels-Clay Nanocomposites for Wastewater Treatment	অনুমোদিত
১৭.	Professor Dr. Md. Azharul Arafath Department of Chemistry Shahjalal University of Science and Technology	Ni(II), Pd(II) and Cu(II) coordination complexes with substituted thiosemicarbazone Schiff base ligand: Synthesis, Characterization and catalytic activities.	অনুমোদিত
১৮.	Professor Dr. Md. Nizam Uddin Department of Chemistry Shahjalal University of Science and Technology	Binary heterojunction of BiOBr photocatalysts for energy and environmental applications	অনুমোদিত নয়

১৯.	Professor Dr. Mohammad Razaul Karim Department of Chemistry Shahjalal University of Science and Technology	Functionalized disposed carbon rod as solid electrolyte	অনুমোদিত
২০.	Dr. Jagodish Chandra Sarker Associate Professor Department of Chemistry Jagannath University	Transition Metal Diaryldithiocarbamates as Single Source Precursors for 2D Metal Sulfides	অনুমোদিত নয়
২১.	Dr. Mohammad Abul Hasnat Department of Chemistry Shahjalal University of Science & Technology, Sylhet-3114, Bangladesh	Development of CO tolerant anode materials for direct ethanol fuel cell	অনুমোদিত
২২.	Dr. Md. Ahsan Habib Professor Chemistry Discipline, Khulna University	Electrocatalytic reduction of CO ₂ into fuel precursor by transition metal complex.	অনুমোদিত নয়
২৩.	Dr. Md. Mahbulul Alam Professor Department of Chemistry Shahjalal University of Science and Technology	Catalytic synthesis of the intermediate of Parkin reaction by Suzuki-coupling reaction	অনুমোদিত নয়
২৪.	Dr. Md. Delwar Hossain Associate Professor Department of Chemistry Jagannath University	PREPARATION OF METALLO-SUPRAMOLECULAR POLYMERS WITH DNA BINDING PROPERTIES	অনুমোদিত
২৫.	Dr. Md. Mahiuddin Associate Professor Chemistry Discipline Khulna University, Khulna-9208	Plant Source-Based Facile Synthesis of Reduced Graphene Oxide (rGO) as an Efficient Adsorbent Material for Wastewater Treatment	অনুমোদিত
২৬.	Dr. Mohammed Mahmudur Rahman Associate Professor Department of Chemistry Jagannath University, Dhaka	Development of new synthetic method of 1,3-diethylimidazolium carboxylate ionic liquid and its metal complexes and their application as catalyst in glycolysis of poly(ethylene terephthalate) postconsumer soft-drink bottles to produce bis(2-hydroxyethyl terephthalate)	অনুমোদিত
২৭.	Dr. Md. Abdul Mottalib Professor Institute of Leather Engineering and Technology University of Dhaka	Synthesis and Characterization of Biodegradable Liquid Film of Gelatin Extracted from Tannery Solid Waste with Tanning Agents	অনুমোদিত
২৮.	Dr. Mohammad Khademul Islam Professor Department of Chemistry Mawlana Bhashani Science and Technology University	Bioinspired design of peroxovanadate(V), oxodiperoxovanadate(V), and zinc(II) complexes with heterocyclic moieties as potent insulin mimetic therapeutics and their bioactivity screening	অনুমোদিত

২৯.	Dr. Md. Abdur Rahaman Associate Professor Department of Chemistry Mawlana Bhashani Science and Technology University	Photocatalytic Degradation of Organic Dyes in Aqueous Medium by Highly Efficient MOF Decorated Activated Carbon Based Materials	অনুমোদিত
৩০.	Dr. Md. Azharul Islam Professor Department of Environmental Science, Bangladesh Agricultural University, Mymensingh-2202	Investigation on toxicants released from different tobacco products: alarming for environmental pollution and health hazards in Bangladesh	অনুমোদিত
৩১.	Dr. Md. Abu Rashed Associate Professor Department of Chemistry Mawlana Bhashani Science and Technology University, Santosh, Tangail	Development of Highly Sensitive Electrochemical Sensor for the Determination of Imidacloprid Pesticide from River Water	অনুমোদিত নয়
৩২.	Dr. Sujan Chowdhury Assistant Professor Chemical Engineering Department Jashore University of Science and Technology	Operational process optimization of aqueous diclofenac removal using zerovalent iron nanomaterial doped date palm fronds modified carbon materials.	অনুমোদিত
৩৩.	Prof. Dr. Biplob Kumar Biswas Department of Chemical Engineering JUST	Biomass-derived mesoporous silica (SBA-15)-nZVI composites: synthesis, characterization, and application	অনুমোদিত
৩৪.	Tapos Kumar Chakraborty Assistant Professor Department of Environmental Science and Technology Jashore University of Science and Technology	Combine approaches of Box-Behnken experimental design and artificial neural networks for removal of heavy metals from aqueous solution using plastic waste: Toward developmet of lowcost waswater tretment technology	অনুমোদিত নয়