



বাংলাদেশ
বিশ্ববিদ্যালয় মঞ্জুরী কমিশন

বাংলাদেশ বিশ্ববিদ্যালয় মঞ্জুরী কমিশন

University Grants Commission of Bangladesh

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বাংলাদেশ বিশ্ববিদ্যালয় মঞ্জুরী কমিশনের রিসার্চ এন্ড গ্রান্টস ম্যানেজমেন্ট ডিভিশনের বিজ্ঞান ও প্রযুক্তি শাখার রাসায়নিক বিজ্ঞান বিষয়ক গবেষণা প্রকল্প উপ-শাখায় ২০২৩-২৪ অর্থবছরে বিশেষজ্ঞগণ কর্তৃক অনুমোদিত ১৬টি গবেষণা প্রকল্পের বিবরণ নিম্নরূপ:-

ক্রমিক নং	গবেষণা প্রকল্পের শিরোনাম	প্রকল্প পরিচালকের নাম ও ঠিকানা	মূল্যায়নকারী বিশেষজ্ঞের মন্তব্য/মতামত
1	Preparation of polyvinyl alcohol (PVA)-polyethylene glycol (PEG) hybrid hydrogel crosslinked with graphene oxide/silica for environmental remediation	Dr. Fataha Nur Robel Professor Dept. of Applied chemistry and Chemical Engineering Noakhali Science and Technology University	গ্রহণযোগ্য
2	Exploration of the metal-doping influence on the physical properties of metal halide perovskites for the high-performance solar cells technology and optoelectronic devices applications.	Md. Saiful Alam Associate Professor Dept. of Applied Chemistry and Chemical Engineering Noakhali Science and Technology University, Noakhali	গ্রহণযোগ্য
3	The Study of Secondary Metabolites and the Biological Activities of the Fruit of Syzygiumfruticosum (khudijam)	Dr. Sadia Afrin Chhanda Assistant Professor Department of Chemistry University of Dhaka, Dhaka	গ্রহণযোগ্য
4	Formulation and characterization of mucoadhesive microspheres of anti-diabetic drug repaglinide: In vitro, in vivo and in silico analysis	Dr. Md. Selim Reza Professor Department of Pharmaceutical Technology, University of Dhaka	গ্রহণযোগ্য
5	“Green Synthesis of Chromium Oxide Nanoparticles Using Novel <i>AverrhoaCarambola</i> Leaves Extract to Evaluate Its Catalytic Activity for Biomedical and Industrial Application.”	Dr. Md. Aminul Haque Associate Professor Department of Chemistry Jagannath University, Dhaka	গ্রহণযোগ্য
6	Synthesis and characterization of nucleobase-derived adsorbent for the removal of water pollutants from aqueous solutions	Dr. Abul Khayer Mallik Associate Professor Department of Applied Chemistry and Chemical Engineering University of Dhaka	গ্রহণযোগ্য
7	Spatial Patterns of Heavy Metal Concentrations of Water and Sediment in the Vicinity of Shipbuilding Operations along Rupsha River, Bangladesh	Dr. ABU HENA MUHAMMAD YOUSUF, Assistant Professor Department of Oceanography University of Dhaka, Dhaka	গ্রহণযোগ্য

8	Synthesis of Schiff Base-functionalized metal nanoparticles for heavy metal removal from waste water.	Dr. Md. Abdul Latif Associate Professor Department of Chemistry Begum Rokeya University Rangpur-5404	গ্রহণযোগ্য
9	Design, Synthesis and Evaluation of Antimicrobial and Antioxidant Active of Coumarinyl Schiff Base Derivatives with <i>in Silico</i> Molecular Modeling and Pharmacokinetic Predictions	Dr. A. H. Rashadul Hossain Professor, Department of Chemistry, Chittagong University of Engineering & Technology (CUET)	গ্রহণযোগ্য
10	Three components, one pot synthesis of 5-Bromothiophene based Thiazole: Biological activities and computational studies	Dr. Md. Aminul Haque Professor Department of Chemistry Jagannath University, Dhaka	গ্রহণযোগ্য
11	Trophic level transfer and biomagnification of microplastic in the urban freshwater ecosystems	Professor Dr. Shafi Mohammad Tareq Dept. of Environmental Science Jahangirnagar University Savar, Dhaka	গ্রহণযোগ্য
12	Visible Light-Driven Photo catalysis Using ZnO/CuO for the Removal of Organic Dyes from Wastewater	Prof. Dr. Muhammed Shah Miran Department of Chemistry, University of Dhaka, Dhaka	গ্রহণযোগ্য
13	Novel Citrus Limon peel Extract Assisted Synthesis of Nickel Oxide Nanoparticles, Investigation of its Dye Removal Capacity and Kinetics for Industrial Application	Dr. Muhammad Rajibul Haque Akanda, Associate Professor Department of Chemistry Jagannath University, Dhaka	গ্রহণযোগ্য
14	Removal of heavy metals (Cd, Pb) from aqueous Solution by using agricultural waste derived Functionalized Layered Double Hydroxides Composites: Kinetic, Isotherm and Thermodynamic Studies.	Dr. Mohammad Mohinuzzaman Associate Professor Department of Environmental Science and Disaster Management Noakhali Science and Technology University, Noakhali	গ্রহণযোগ্য
15	Synthesis of EDTA capped AuNPs and its application as a colorimetric probe for the formaldehyde detection	Dr. Muhammad Shamim Al Mamun, Associate Professor Chemistry Discipline Khulna University, Khulna-9208	গ্রহণযোগ্য
16	Synthesis, antimicrobial and antioxidant activities of 3-[2-[2{(arylmethylidene)}hydrazine-1-yl]-1,3-thiazol-4-yl]-2H-chromene-2-ones with molecular docking studies	Dr. Mohammad Mostafizur Rahman, Professor, Department of Chemistry, Jagannath University Dhaka-1100	গ্রহণযোগ্য