

## List of Recommended Projects for support under the scheme of Students' Science Project-2023

Sl. No.	Name of the Project	Name & Dept. of the student (s) with Full Address
1.	Supramolecular Chemistry Enables Vat-Photopolymerization Assisted 3D Printing of Gummy Drug Formulations.	Satpute Harshada Sunil M.S. (Pharm.) Dept. of Pharmaceutics, National Institute of Pharmaceutical Education and Research (NIPER), Guwahati-781101
2.	Synthesis Of Europium Doped Calcium Aluminate Persistence Luminescence Phosphor for Road Safety Signage Applications"	Pragya Parasar M.Sc. Physics Dept. of Physics, Cotton University, Guwahati, Assam, 781001
3.	Development Of a Portable UV-Vis-NIR Spectrometric System for Non-Destructive Quality Characterization of Fruit Coupled with Machine Learning	Piyush Sharma & Mr. Ramanoj Sonawal B. tech., Dept. of Food Engineering & Technology School Of Engineering, Tezpur University, Tezpur-784028,
4.	An IOT Based Smart Healthcare System Comprising of EEG And ECG Signals	Mobidul Islam & Ankurjyoti Ray Bhuyan B. tech. Dept. of Electronics & Communication Engineering Gauhati University, Guwahati-781014
5.	"Isolation Of Probiotic Bacteria and Fermentative Yeast from Mint Leaves by A Fermentation-Enhanced Process"	Samborlang Dkhar M.Sc. Microbiology, Dept. of Bio-Sciences, Assam Don Bosco University, Tapesia Gardens, Sonapur, Assam-782402
6.	Biology And Osteology of Parambasis Lala (Hamilton,1822) And Securicula Gora (Hamilton,1822) From the Brahmaputra River, Assam	Sandhya Islary & Colosal Malang M.Sc. Zoology, Dept. of Zoology, Assam Don Bosco University, Tapesia Gardens, Sonapur, Assam-782402
7.	To Study the Subsurface Layers by Using Wenner and Schlumberger Electrical Resistivity Methods	Rupkumar Mandal M.Sc. ,Dept. of Instrumentation & USIC, Gauhati University, Guwahati-781014
8.	Development Of Smartphone Based Viscosity Measurement System Using Optical and Ultrasonic Sensing Method.	Ankur Sarkar & Manika Kalita M.Sc., Dept. of Electronics and Communication Technology, Gauhati University-781014

  
7-3-24





## List of Recommended Projects for support under the scheme of Students' Science Project-2023

Sl No.	Name of the Project	Name & Dept. of The Student with Full Address
9.	Development of Ultrasensitive SERS Substrate Using Heterostructure of Al or Co-Ferrite with Plasmon System.	Monika Sultana M.Sc. Physics, Dept. of Physics, Gauhati University, Guwahati-781014
10.	Diversity of Mosquitto Species in And Around Guwahati City	Gargi Sengupta, M. Sc., Dept. of Zoology, Handique Girls' College, Guwahati, Assam-781001
11.	Protective Role of Combined Formulation of Roselle, Foxtail Millet and Indian Jujube Against Streptozotocin-Nicotinamide Induced Type-2 Diabetes Millet in Murine Model	Shibarshisha Baruah M. Sc., Dept. of Zoology Cotton University, Guwahati, Assam-781001
12.	Genotoxicity Assessment of Caesalpinia Bonducella and Croton Joufra; Traditionally Used Anthelmintic Medicinal Plants	Debraj Sarkar & Pallabi Sarkar M.Sc., Dept. of Zoology, B. Borooah College, Guwahati, Assam-781007
13.	Effect Of Cortisol on The Enzyme Activity (Amino Transferase & Alkaline Phosphatase), Protein and Glucose Content in Different Tissues of Anabas Testudineus	Jutika Devi & Satarupa Baishya M. Sc, Dept. of Zoology, B. Borooah College, Guwahati, Assam-781007
14.	Antifertility Cfficacy of Methanolic Fruit Extract of Terminalia Bellirica in Female Albino Mice.	Bipasha Das M.Sc., Dept. of Zoology, B. Borooah College, Guwahati- 781007
15.	Antidiabetic Activity of Tinospora Cordifolia On Streptozotocin Induced Mice and Genotoxicity Assessment of The Plant.	Silpi Sikha Das M. Sc., Dept. of Zoology, B. Borooah College, Guwahati, Assam-781007
16.	Antibacterial Activity of Local Available Honey Against Antibiotic Resistance Klebsiella Pneumoniae	Lightingbirth Marak M.Sc., Dept. of Biosciences, Assam Don Bosco University, Sonapur - 782402
17.	One-Pot Synthesis Of 1,4-Dihydroquinoxalines From O-Phenylenediamine and Aromatic Aldehydes: A Transition-Metal Free C-C And C-N Bond Formation Strategy	Abhigyan Bayan and Manash Jyoti Medhi M. Sc. Chemistry, Dept of Chemistry, B. Borooah College, Guwahati, Assam-781007

## List of Recommended Projects for support under the scheme of Students' Science Project-2023

Sl. No.	Name Of the Project	Name & Dept. of The Student with Full Address
18.	Hypervalent Iodine (III) Reagents Mediated Intramolecular C-H Amidation /Thioamidation Reaction Towards the Synthesis of Numerous N-Heterocyclic Scaffolds.	Ranjumoni Phukan & Poly Talukdar M.Sc., Dept. of Chemistry B. Borooah College, Guwahati, Assam-781007
19.	Electrocatalytic Water Oxidation by Copper (II) Complexes	Ashmita Chakravorty M. Sc., Dept. of Chemistry, B. Borooah College, Guwahati, Assam-781007
20.	Design And Fabrication of Bamboo/Basalt Hybrid Composite Tiles With & Without Addition of Nano Sio2 as Filler Material For Engineering Applications	Bomjum Bam B. tech., Dept. of Mechanical Engineering Assam Down Town University Panikhaiti, Guwahati-26
21.	Green Synthesized Graphene Oxide Decorated Ternary Metal Oxide Composite for Wastewater Purification and Antimicrobial Activity	Priyanka Barooah, M.Sc., Dept. of Chemistry, Bodoland University, Kokrajhar, Assam-783370
22.	Implementation And Optimization of Quantum Machine Learning Algorithm and Exploring Its Potential Use Case in The Field of Healthcare	Dhruba Jyoti Das B. tech, Dept. of Electronics and Communication Engineering. Gauhati University, Guwahati-781014
23.	Isolation & Characterization of Wound Healing Phytoconstituent Naringenin From Pogostemon Benghalensis(Burm.F.) Kuntze Leaves	BHASWATI KASHYAP M.Pharm, Dept. of Pharmacognosy NETES Institute of Pharmaceutical Science (NIPS)-Mirza, Guwahati-5
24.	Synthesis Of Muga Nanosilk-Polyaniline Conducting Binary Composites	Sukanya Parashar M.Sc. Chemistry, Dept. of Chemistry Handique Girls' College, Guwahati-781001
25.	Development Of Instant Nutri Sandahguri Mix-A Traditional Assamese Cereal Breakfast	Mr. Dibyajyoti Sarma and Mr. Manish Kumar Ram. B.Tech, Food Engineering & Technology, School Of Engineering, Tezpur University, Tezpur-784028



## ANNEXURE-I

## List of Recommended Projects for support under the scheme of Students' Science Project-2023

Sl. No.	Name Of the Project	Name & Dept. of The Student with Full Address
26.	Comparative Phytochemical Profiling and Assessment Of Antibacterial Potential of Four Different Varieties of Lemons Found in Assam	Siddhartha Sankar Das M.Pharm, Dept. of Pharmacognosy NETES Institute of Pharmaceutical Science (NIPS)-Mirza, Guwahati-781125, Assam
27.	Synthesis, Structure Guiding Assemblies and Anticancer Activities of Metal Organic Compounds of Few First Brow Transition Metals	Shima Mech. M.Sc. Chemistry Dept. of Chemistry, Cotton University, Guwahati-781001
28.	The Efficacy of Locally Available Freshwater Mussels (Unionidae) In Mitigating Suspended Sediment and Nutrient Loads in Different Polluted Water Samples	Priyanka Borah M.Sc. Zoology Dept. of Zoology, Cotton University, Guwahati-781001
29.	Exploring The Economic Viability and Technological Advances in Designer Pearl Production Using Freshwater Mussels	Bhagyashree Talukdar M.Sc. Dept of Zoology, Cotton University, Guwahati-781001
30.	Advanced Dementia Identification Using CNN With Transfer Learning & Speech Analysis Approach	Liza Medhi B.tech., Dept. Of Electronics and Communication Engineering, Gauhati University- Guwahati-781014

  
7-3-24

