

|  |  |  |
| --- | --- | --- |
|  evsjv‡`k**wek¦we`¨vjq gÄyix Kwgkb** | **evsjv‡`k wek¦we`¨vjq gÄyix Kwgkb**University Grants Commission of BangladeshAvMviMuvI †k‡i evsjvbMi, XvKv-1207website : www.ugc.gov.bd | **logo** |

কমিশনের রিসার্চ সাপোর্ট এন্ড পাবলিকেশন ডিভিশনের বিজ্ঞান ও প্রযুক্তি শাখার ২০২২-২৩ অর্থ বছরে প্রাপ্ত ভৌত বিজ্ঞান বিষয়ক মোট ৩৮টি গবেষণা প্রকল্প প্রস্তাব কমিশন নির্ধারিত সূচকের ভিত্তিতে কর্মশালার মাধ্যমে বিশেষজ্ঞ কর্তৃক মূল্যায়ন করা হয়। বিশেষজ্ঞ কর্তৃক গ্রহণযোগ্য ২৮টি ও গ্রহণযোগ্য নয় ১০ টি গবেষণা প্রকল্প প্রস্তাবের তালিকা নিম্নরূপ:-

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **µwgK bs** | **cÖKí AvnŸev‡bi eQi** | **M‡elYv cÖK‡íi wk‡ivbvg** | **cÖKí cwiPvj‡Ki bvg I wVKvbv** | **gšÍe¨** |
|  | 2022-2023(52) | Impact of dissipation, chemical reaction on MHD free convection and mass transfer flow with the perence of oscillating porous plate, constant heat flux and ion-slip currents in a revolving scheme | Prof. Dr. Md. Delowar HossainDepartment of Mathematics. Chittagong University of Engineering and Technology, Chattogram-4349, Bangladesh.Cell: 01731502899Email: delowar@cuet.ac.bd | গ্রহণযোগ্য |
|  | 2022-2023(03) | Feedback-evolving games with unconditional cooperators | Dr. Md. Rajib ArefinAssistant ProfessorDepartment of MathematicsFaculty of ScienceUniversity of DhakaCell: 01623648104Email: arefin.math@du.ac.bd | গ্রহণযোগ্য নয় |
|  | 2022-2023(43) | Numerical and Mathematical Analysis of Heterogeneous Reaction-Diffusion Systems with Applications | Dr. Samir Kumar BhowmikDepartment of MathematicsUniversity of DhakaCell: 01711977020Email: samir@du.ac.bd | গ্রহণযোগ্য |
|  | 2022-2023(37) | “Social challenges of secondary school students in Rajshahi division, Bangladesh: A cross-sectional study” | Dr. Md. Monsur RahmanProfessorDepartment of Statistics, University of RajshahiRajshahi-6205, BangladeshE-mail:monsur\_st\_ru@yahoo.com01716438485   | গ্রহণযোগ্য নয় |
|  | 2022-2023(41) | Development of an Artificial Intelligence (AI)-powered Decision Support System for Osteoporosis Risk Assessment in the Adult Bangladeshi Population Based on Local Health Care X-Ray Imaging | Md. Shamim RezaDepartment of Statistics, Pabna University of Science and Technology, Pabna-6600Cell: +8801717725553Email: shamim.reza@pust.ac.bd | গ্রহণযোগ্য নয় |
|  | 2022-2023(39) | “Facebook addiction among University students: A survey in Rajshahi City” | Prof. Dr. Abu Sayed Md. Al MamunDepartment of Statistics, University of RajshahiRajshahi-6205, BangladeshE-mail:mithun\_stat@yahoo.com  Cell- 01718878513 | গ্রহণযোগ্য নয় |
|  | 2022-2023(14) | Study of the Drug Interaction and Delivery into the Lung Airways by the In Vitro and In Silico Approach | Dr. Md. Zohurul IslamAssistant ProfessorDepartment of Mathematics,Jashore University of Science and Technology,Jashore-7408, BangladeshCell: +8801717964452Email: mz.islam@just.edu.bd | গ্রহণযোগ্য |
|  | 2022-2023(18) | Phase plane analysis and novel soliton solutions to the nonlinear models through the elegant techniques | S M Rayhanul Islam, Assistant ProfessorDepartment of MathematicsPabna University of Science and TechnologyCell: 01719364133Email: rayhanulmath@yahoo.com | গ্রহণযোগ্য নয়  |
|  | 2022-2023(40) | EXPLORING VACCINE HESITANCY, ACCEPTANCE, AND BEHAVIORAL PATTERNS TOWARDS HUMAN PAPILLOMAVIRUS (HPV) IN BANGLADESH | Dr. K.M Ariful KabirAssistant Professor  Dept. of Mathematics Bangladesh University of Eng. And Tech. (BUET)Dhaka, Bangladeshemail: k.ariful@yahoo.com, km\_ariful@math.buet.ac.bd, Mob: +8801722852818 (BD) | গ্রহণযোগ্য |
|  | 2022-2023(01) | Numerical Simulation of Turbulent Flow around an Irregularly Shaped Airfoil | Dr. Md. Zavid Iqbal BangaleeAssociate ProfessorDepartment of Applied MathematicsUniversity of DhakaEmail: zavid@du.ac.bdCell: +88 01712044424 | গ্রহণযোগ্য |
| 1. ,
 | 2022-2023(46) | Outlier Detection using Autoencoder Ensembles in Neural Network | Dr. Sohana JahanAssociate ProfessorDept. of Mathematics, Faculty of Science, University of Dhaka, Dhaka-1000, BangldeshPhone: Office: 9661900, Ext-7070,7071Cell: +88-01742877021Email: sjahan.mat@du.ac.bd | গ্রহণযোগ্য |
|  | 2022-2023(48) | Dynamics and bifurcations of a discrete-time ecological model with fractional derivative | Sarker Md Sohel RanaAssociate ProfessorDepartment of MathematicsUniversity of Dhaka, Dhaka 1000Cell: +8801718521785Email: srana\_math@du.ac.bd | গ্রহণযোগ্য |
|  | 2022-2023(51) | Optical soliton wave solutions to the Heisenberg Ferromagnetic Spin Chains model: effects of neighboring interaction and uniaxial crystal field anisotropy parameters. | Prof. Dr. Harun-Or-RoshidProfessor, Department of MathematicsPabna University of Science and Technology, Pabna-6600.Cell: +8801753-213813Res: +8801715-229922Email: harunorroshidmd@gmail.com; harun\_math@pust.ac.bd | গ্রহণযোগ্য |
|  | 2022-2023(53) | Collisional nonlinear acoustic wave phenomena in collisionless plasmas | Prof. Dr. Md. Golam HafezDepartment of Mathematics, Chittagong University of Engineering and Technology, Chattogram-4349, Bangladesh. Phone: Office: Ex. 8752Cell: +8801712340602Res: Ex. 8852Email: hafez@cuet.ac.bd | গ্রহণযোগ্য নয় |
|  | 2022-2023(13) | Hierarchical modeling and machine learning techniques in measuring health systems' capacity to face infectious disease pandemics in nine lower and lower-middle-income countries | Dr. Mohammad Anamul HaqueLecturer, Department of Statistics, Shahjalal University of Science and Technology, Sylhet-3114, Bangladesh Phone: 01716563263Email: haque-sta@sust.eduEnamsust82@gmail.com | গ্রহণযোগ্য |
|  | 2022-2023(34) | Transcriptomics analysis to distinguish molecular signatures for major subtypes of non-Hodgkin lymphomas highlighting their pathogenetic process and drug repurposing | **Dr. Md.**MahmudulAlam,Professor, Dept. of Statistics,University of Rajshahi, Bangladesh,Email: mmalamstat@ru.ac.bd alam\_stat@ru.ac.bd,  Mobile: 01718280496 | গ্রহণযোগ্য |
|  | 2022-2023(36) | Drought Proneness Scenario at different decade with Markov Chain model: Empirical Investigation from Southwestern part of Bangladesh | Dr. Md. Mostafizur RahmanAssociate ProfessorDepartment of Statistics,University of Rajshahi, Rajshahi-6205E-mail: mostafiz\_bd21@yahoo.comCell: 01735393226 | গ্রহণযোগ্য |
|  | 2022-2023(06) | Edge Dislocation, Chemical Composition, and Chemical Short-range order effect on Mechanical Properties in Multi-Principal Element Alloys. | Professor Dr. Md. Khairul AlamDepartment of PhysicsPabna University of Science and Technology, Pabna-6600Cell: 01712659746Email: drmkalam14@gmail.com | গ্রহণযোগ্য |
|  | 2022-2023(10) | Synthesis of Waste Prawn Shell Derived Chitosan Nanocomposites With Improved Magnetic and Electric Properties | Prof. Dr. Jahirul Islam KhandakerProfessor, Department of PhysicsJahangirnagar University, Dhaka-1342Cell:01752928866.Email: jikphy\_ju@yahoo.com | গ্রহণযোগ্য |
|  | 2022-2023(15) | Effect of protactinium inclusion in Th, ThN, and ThC nuclear fuel: A first-principles study | Dr. Md. Humaun KabirAssistant Professor Department of PhysicsJashore University of Science and Technology, Jashore - 7408Cell:+8801740691319 Email: mhkabir@just.edu.bd | গ্রহণযোগ্য |
|  | 2022-2023(08) | Development of Microstrip Patch Antenna for Terahertz (THz) Communication Applications | Name: Prof. Dr. Rezaul AzimDepartment of Physics, University of Chittagong, Chattogram 4331, Bangladesh.Cell: 01711122950Email: rezaulazim@cu.ac.bd | গ্রহণযোগ্য |
|  | 2022-2023(09) | Measurement of gravitational lensing signals in the framework of Einstein's general theory of relativity: a step towards precision cosmology | Dr. Md. Rasel Hossen, LecturerDepartment of Physics, Jahangirnagar University,Cell: 01325315614Email: rasel.hossen@juniv.edu | গ্রহণযোগ্য |
|  | 2022-2023(16) | First Principle Study of the Structural, Optoelectronic and Gas Sensing Properties of Transition Metals Doped CsPbCl3 Halide Perovskite | Dr. Mohammad Julhash MiahDepartment of PhysicsComilla University, Kotbari, Cumilla.Phone: Office:+8802334411215Cell: 01727151679Email: mmjulhash@cou.ac.bd | গ্রহণযোগ্য নয় |
|  | 2022-2023(21) | Influence of sintering aids on the densification, microstructural, electrical transport and magnetic properties of Li-Cu-Mg-Zn ferrites | Dr. Muhammad Samir UllahProfessor, Department of Physics Bangladesh University of Engineering and Technology (BUET) Cell: 01782069938Email: samirullah@phy.buet.ac.bd | গ্রহণযোগ্য |
|  | 2022-2023(30) | Investigation of Structural, Electrical, and Vibrational Properties of Anti-perovskite Solid Electrolyte R 3 OX (R = Li, Na and X = Cl, Br) | Dr. Md. Shahajan AliAssociate ProfessorDepartment of Physics, Pabna University of Science and TechnologyCell: 01323886868Email: msali@pust.ac.bd | গ্রহণযোগ্য |
|  | 2022-2023(31) | Synthesis of Plasma Modified Magnetic Biochar Derived from water hyacinth and Its Application in Industrial Wastewater Treatment  | Dr. Mohammad Jellur RahmanProfessorDepartment of Physics, Bangladesh University of Engineering and TechnologyDhaka-1000, BangladeshMobile: +88-01552346458 | গ্রহণযোগ্য |
|  | 2022-2023(57) | *In-silico* Screening of Inhibitors Targeting Drug-resistant PfMATE Transporter Protein and Molecular Dynamics Simulation of the Target::Drug Complexes | Dr. Md Lokman HossenAssistant Professor of PhysicsUniversity of BarishalBarishal-8254Office: 0431-2177771-77, Ex-2100Cell: 01714522418, Res: 017145225418Email: mlhossen@bu.ac.bd | গ্রহণযোগ্য নয়  |
|  | 2022-2023(38) | Dynamics of pore-evolution in biomembranes and model membranes induced by antimicrobial peptides under osmotic stress. | Dr. Md. Masum BillahAsst. Professor, Department of Physics (Biophysics Research Division),Faculty of Science, Jashore University of Science & Technology (JUST), Jashore- 7408Cell Phone: +88017 9456 3397Email: mm.billah@just.edu.bd  | গ্রহণযোগ্য |
|  | 2022-2023(44) | Prediction of the M2AB [M=V, Nb, Ta; A=Ge, Tl, P, Zn, Cd, Cu] borides by the DFT method. | Dr. Md. Ashraf Ali, Professor,Department of PhysicsChittagong University of Engineering and Technology (CUET), ChattogramCell: 01710244220Email: ashrafphy31@cuet.ac.bd | গ্রহণযোগ্য |
|  | 2022-2023(47) | Study of structural and photocatalytic behavior of rare-earth ions (Ho, Yb, Y) doped recently synthesized high-quality V2O5 by hydrothermal technique for waste water treatment | Dr. Md. Mohi UddinProfessorDepartment of PhysicsChittagong University of Engineering & Technology (CUET)mail: mohi\_cuet@yahoo.com, mohi@cuet.ac.bd | গ্রহণযোগ্য |
|  | 2022-2023(26) | Star enclosed circular shaped meta-atom sensor based on quality factor measurement for oil adulteration detection | Dr. Md. Rashedul IslamAssociate ProfessorDepartment of Electrical, Electronic and Communication Engineering, Pabna University of Science and Technology, Pabna-6600Cell: +8801301800401Email: rashed.ru11@gmail.com; rashed.85@pust.ac.bd | গ্রহণযোগ্য নয়  |
|  | 2022-2023(12) | Echo-friendly Oxides for Renewable Photocatalytic Applications | Dr. Imtiaz AhmedAssociate ProfessorDepartment of Electrical and Electronic Engineering, University of Dhaka, Dhaka-1000, BangladeshCell: +88-01712782833Email: imtiaz@du.ac.bd | গ্রহণযোগ্য |
|  | 2022-2023(28) | AN INTEGRATED GEOPHYSICAL AND GEOLOGICAL INVESTIGATION OF THE NATURAL AND ANTHROPOGENIC HAZARDS IN COX’S BAZAR CITY, BANGLADESH | M. Saiful IslamAssociate ProfessorDepartment of GeologyFaculty of Earth & Environmental SciencesUniversity of Dhaka, Dhaka 100, BangladeshPhone: 880-2-9661920-73 Extension#7327 Fax: 880-2-9667222Cell: +88 01712294642msaiful@du.ac.bd | গ্রহণযোগ্য |
|  | 2022-2023(25) | Evaluation of Engineering Geological and Geophysical Properties of Madhupur Clay Formation for the Ground Subsidence Potentiality Analysis in the Dhaka City | Prof. Dr. A.S.M. WoobaidullahDepartment of Geology, University of Dhaka, Dhaka 1000.Phone: Cell: +8801517310181Email: woobaid.du@gmail.com | গ্রহণযোগ্য |
|  | 2022-2023(54) | Spatio-temporal variation of barrier layer thickness and its relationship with the primary Productivity in the norther Bay of Bengal | K M Azam Chowdhury, PhDChairman, Dept. of Oceanography, University of Dhaka& Director, International Center for Ocean Governance (ICOG)University of DhakaDhaka-1000, BangladeshTel: +880-2-9661920 ext.7779Mobile: +8801678061858Email: azam\_oceanographer.ocn@du.ac.bd, azamch0188@yahoo.com; icog@du.ac.bd  | গ্রহণযোগ্য |
|  | 2022-2023(45) | Wall-to-wall mapping of structural attributes of Sal forests in Bangladesh through integration of Satellite borne Lidar, Satellite imagery and multi-spectral UAV. | Dr. Md Farhadur RahmanDept. of Remote Sensing and GISBangabandhu Sheikh Mujibur Rahman Agricultural UniversityEmail- farhad.rsgis@bsmrau.edu.bd01722778108 | গ্রহণযোগ্য |
|  | 2022-2023(42) | Predicting Child Marriage in Bangladesh using Machine Learning Techniques | Md Hasinur Rahaman Khan, PhDProfessor, Institute of Statistical Research and Training (ISRT), University of DhakaDhaka 1000, BangladeshCell: 01725106661Res: 01725106661Email: hasinur@isrt.ac.bd | গ্রহণযোগ্য নয় |
|  | 2022-2023(20) | A Computational Investigation on the Genetic Influence of Chronic Kidney Disease on Kidney Cancer and Drug Repurposing | Name: Dr. Anjuman Ara Begum Professor, Dept. of Statistics, University of RajshahiCell: 01556320574/01722622721Email: aab\_stat@yahoo.com | গ্রহণযোগ্য |