

GOVERNMENT OF WEST BENGAL
DEPARTMENT OF HIGHER EDUCATION, SCIENCE & TECHNOLOGY AND BIOTECHNOLOGY
(SCIENCE & TECHNOLOGY AND BIOTECHNOLOGY BRANCH)
VIGYAN CHETANA BHAVAN
SALT LAKE, KOLKATA-700064

LIST OF APPROVED R&D PROJECTS (2017-18)

Sl No	Name of PI	Affiliation (Institution & Deptt)	Subject Area	Project Title
1	Dr. Mahashweta Mitra Ghosh	Asst. Prof. St. Xavier's College, Kolkata Deptt: Post Graduate Deptt. of Microbiology	Agriculture	Identification of major pathogenic in hospital effluents using metagenomic screening and design of potent inhibitors using virtual screening of medicinal plant library against them
2	Dr. Sudeshna Biswas	Associate Professor Chandraketugarh Sahidullah Smriti Mahavidyalaya Deptt: Sociology	Agriculture	Lab to Land Transfer of Technology in Sericulture and its Socio- Economic Impact on Tribal Villages of Purulia district in West Bengal
3	Dr. Harisankar dey	Assistant Professor Ramakrishna Mission Vivekananda Centenary College Deptt: Botany	Agriculture	Plant medicinal potentiality estimation and standardization from Blue green Algae (Cyanobacteria fixing Nitrogen in agriculture field) extract coupled with their biodiversity in 24- Parganas (n), West Bengal.
4	Dr. Biplob Kumar Modak	Associate Professor Sidho Kanho University, Purulia Deptt: Zoology	Agriculture	The study of field nature of yellow stem bore insect [Scirpophage (tryoryza) incertulas (Walker)] of paddy and its ecofriendly biocontrol by entomopathogenic fungi and evaluation of paddy plant growth promotion (PGP) of the selected biocontrol fungus in West Bengal.
5	Dr. Sudipa Saha	Assistant Professor St. Xavier's College (Autonomous) Deptt: Biotechnology	Agriculture	Comparative studies on biochemical and physicochemical characteristics of lens α -crystallin from habitat-specific fish
6	Dr Kingsuk Das	Assistant Professor Serampore College Deptt: Botany	Agriculture	Study of two important medicinal plants namely Ocimum sanctum and Rouviflia sarprntina, in respect to their major fungal diseases, evaluation of crop loss, qualitative and quantitative changes of bioactive compounds and ecofriendly (biocontrol) mamangement of the major fungal disease
7	Dr. Saroj Kumar Ghosh	Asst. Prof., Bejoy Narayan Mahavidyalaya, University of Burdwan Deptt: Zoology	Agriculture	Cyclical changes of sensory and non-sensory cells lining the olfactory epithelium in relation to reproductive function of freshwater catfish, Clupisoma garua (Hamilton, 1822)
8	Dr. Benukar Biswas	Associate Prof., Bidhan Chandra Krishi Viswavidyalaya Deptt: Agronomy	Agriculture	Climate resilient rice cultivation technology for higher water productivity at eastern Indo-Gangetic plain
9	Dr. Rambilash Mallick	Head, Institute of Agricultural Science Deptt: Agronomy	Agriculture	Macro benefits on plant and animals from micro-nutrient Zinc and Iron on rabi hybrid maize and summer greengram in Gangetic alluvial soils of West Bengal
10	Dr. Joydeep Mukherjee	Associate Prof., Jadavpur University Deptt: School of Environmental Studies	Agriculture	Production of organic fertilizer by utilizing slaughterhouse wastes and its application for the cultivation of potato and vegetables
11	Dr Subrata Sankar Bagchi	Bangabasi College Deptt:Anthropology	Agriculture	"Exploring the gut microbiome of tribal population of West Bengal to identify the diversity of the microflora and possibly identify uniquely conserved immunologically important genes" modified to "Exploring the gut microbiome of tribal population of West Bengal to identify the diversity of the microflora, uniquely conserved genes and specific diet practices"
12	Dr Aryadeep Roy Choudhury	St.Xaviers College (Autonomous) Deptt: Biological Science	Agriculture	Deciphering the biochemical and molecular mechanism of melatonin action during arsenicmediated stress in indica rice varieties
13	Dr Dilip Kumar Nandi	Associate Professor & Head Raja Narendralal Khan Women's college Deptt:Physiology	Agriculture	Green synthesise of Gold Nanoparticles by using the bark extracts of Terminaliaarjuna and its Reno-protective effect on experimentally induced rats: A translational study for health promotion
14	Subrata Dutta	Asst. Prof., Bidhan Chandra Krishi Viswavidyalaya Deptt: Plant Pathology	Agriculture	Exploitation of native microbial inoculants for biotic and abiotic stress management under vegetable based cropping system on different agro-ecological regions of West Bengal
15	Dr. Debabrata Bhadra	Asst. Prof., Bhairab Ganguly College Deptt: Physics	Agriculture	Biological Waste Derived Nano-hydroxyapatite for the Removal of Heavy Metal Ions from Rural Polluted Water
16	Dr. Adinpunya Mitra	Prof., IIT, Kharagpur Deptt: Agriculture & Food Engineering	Agriculture	Histochemical localization, extraction and chemical analysis of floral wax and absolute in Polianthes tuberosa L. cultivars aiming at value-addition in tuberosa floriculture
17	Dr. Rajib Bandopadhyay	Assistant Professor The University of Burdwan Deptt: Botany	Agriculture	Complete characterization of arsenic removal bacteria brevundimonas aurantiaca PFABI for bioremediation for Burdwan sistrict through molecular biology and bioinformatics approaches
18	Dr. Surjyo Jyoti Biswas	Associate Professor Sidho-kanho-birsha University Deptt: Zoology	Agriculture	Exploring the use of plant as galactagogues by tribal population of purulia and West Midnapore district and their validation
19	Dr. Narottam Dey	Associate Professor Visav-Bharati Deptt: Biotechnology	Agriculture	Development of SNP and miRNA based functional markers for abiotic stress (drought salinity and submergence) tolerance among selected West Bengal rice land races
20	Dr. Palash Mandal	Associate Professor University of North Bengal Deptt: Botany	Agriculture	Improving the productivity in sericulture by oligopeptides and plant growth regulator (PGR) Based post Harvest Elicitation of Mulberry Leaves

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21	Dr. Asok Ghosh	Associate Professor The University of Burdwan Deptt: Botany	Agriculture	Phytochemical screening of some members of Cyperaceae with special reference to carex for taxonomic and pharmacological purposes
22	Dr. Tarit Roy Chowdhury	Jadavpur University Deptt: School of Environmental Studies	Agriculture	Studies on chronic exposure to arsenic toxicity through food chain and drinking water with respect to rice grain contamination in selected sites of West Bengal and search for mitigation options.
23	Dr. Srimanta Gupta	Asst. Prof., University of Burdwan Deptt: Environmental Science	Agriculture	Environmental Geochemistry and Water Quality Modelling of Saheb Bandh Lake, Purulia, West Bengal: An Approach Towards Lake Restoration
24	Ass Prof. Tanmay Dutta	Ananda Chandra College (University of North Bengal) Deptt: Zoology	Animal and Fishery sciences	Study of Impacts of Human Interferences on the Biodiversity and Functions of Five Important Wetlands of North Bengal
25	Dr. Adity Sarbajna	Assistant Professor. Surendranath College Deptt: Zoology	Animal and Fishery sciences	Physiological response of three native fish species from Indian Sundarban Under different metal toxicity: An approach to determine extent of species specific toxicity
26	Dr. Dipak Kumar Som	Associate Professor Maulana Azad College. Deptt: Zoology	Animal and Fishery sciences	Studies on the silkworm (<i>Bombyx mori</i> L) Nourishment level at Larval Periods and the Growth thereafter with immune power
27	Dr. Kousik Pramanick	Associate Professor Presidency University Deptt: Life Sciences	Animal and Fishery sciences	Potential role of Gelatinase in oocyte developmental processes and ovulation in fresh water teleost, <i>Anabas testudineus</i>
28	Dr. Partha Pratim Chakravorty	Associate Professor Raja N.L. Khan Women's College Deptt: Zoology	Animal and Fishery sciences	Studies on the role of selected species of epigeic earthworms in restoration of pesticides pollution in the agro ecosystems.
29	Dr. Bidhan Chandra Patra	Professor Vidyasagar University Deptt: Zoology	Animal and Fishery sciences	Germplasm Resource mapping and conservation of marine fisheries resources of West Bengal Coast to Promote Socioeconomic upliftment of Fisherfolk through Geoinformatics.
30	Dr. Paresh Nath Chatterjee	Associate Professor West Bengal University of Animal & Fishery Sciences Deptt: Animal Nutrition	Animal and Fishery sciences	Strategic Dietary fortification with synthesized nano-minerals for better Health and environment friendly poultry production
31	Dr. Jatindra Nath Bhakta	Associate Professor University of Kalyani Deptt: Ecological Studies & International Centre for Ecological Engineering	Animal and Fishery sciences	Development of Novel Pollutant Detoxifying Probiotic-Fish Feed using Metagenomic marker Probiotic and regional Prebiotic Food Bio-resource
32	Dr. Prabir Kr Mukhopadhyay	Associate Professor Presidency University Deptt: Life Science	Animal and Fishery sciences	Molecular dissection on the protective ability of vitamin E and C against induced reproductive disorders in adult female rats
33	Dipanjana Ray	Asst. Prof., Bajkul Milani Mahavidyalaya Deptt: Zoology	Animal and Fishery sciences	Assessment of the Status and Diversity of Anguilliformes (Eel) over West Bengal Coast and Making the Significant Data Bank and Report for Future Planning
34	Mr. Rabin Das	Asst. Prof., Bajkul Milani Mahavidyalaya Deptt: Geography	Animal and Fishery sciences	Ecological Dwindling due to the Sprawling of Shrimp Farming at the Khejuri Fluvio-Marine Landscape over Midnapore Coastal Tract: A Spatio-temporal Assessment and Micro-level Planning for Its Management
35	Dr. Bidisha Sen (Maitra)	Lecturer, Asutosh College Deptt: Zoology	Animal and Fishery sciences	Tracking population level responses against Azadirachtin based contaminant to agroecosystem by biomonitoring tools
36	Dr. Subhankar Kumar Sarkar	Asst. Prof., University of Kalyani Deptt: Zoology	Animal and Fishery sciences	Scarab beetles of Doars, West Bengal, India with special emphasis on identification of their potential bioresource value
37	Dr. Santi Ranjan Dey	Asst. Prof., Rammohan College Deptt: Zoology	Animal and Fishery sciences	Development of Digital key for Neuroptera (Insecta) associated with Aphids (Homoptera: Aphididae) of West Bengal: A Numerical Taxonomic Approach
38	Dr. Pranab Kumar Banerjee	Associate Prof., Serampore College Deptt: Zoology	Animal and Fishery sciences	Studies on the Morphological, Molecular Diversity, kdr resistance status and Biological Control of Aedes mosquitoes in the Different Districts (Kolkata, North 24 Parganas, South 24 Parganas, Howrah and Hooghly) of West Bengal
39	Anupa Biswas	Asst. Prof., Bidhan Chandra Krishi Viswavidyalaya Deptt: Animal Science	Animal and Fishery sciences	"Digestibility of prepared floating type pellet feed for Indian Major Carps using snail meat as a substitution of fish meal" modified to "Comparison of different type of feed with snail mixed as animal protein supplement in the diet of carp fingerlings- A study of growth performance of carp fingerlings culture in tribal fisher folk area of Purulia for their economic uplifting"
40	Dr. Kaustav Dutta Chowdhury	Asst. Prof., Rammohan College Deptt: Zoology	Animal and Fishery sciences	Study on calcium carbide generated acetylene mediated alteration in pulmonary tissues and its protection by Hexadecanoic acid, ethyl ester-an in vivo study
41	Dr. Roshnara Mishra	Associate Prof., University of Calcutta Deptt: Physiology	Animal and Fishery sciences	Herbal Tea Approach for Anemia Prevention by Kulekhara (<i>Hygrophila spinosa</i>) - Preparation, Evaluation and Modification
42	Dr. Sutapa Sanyal	Asst. Prof., Krishnagar Government College Deptt: Zoology	Animal and Fishery sciences	Bacteriocins: Novel and Highly Potent Biopreservative in Fishing Industry
43	Dr. Priti Ranjan Pahari	Asst. Prof., Tamralipta Mahavidyalaya Deptt: Zoology	Animal and Fishery sciences	Ecobiological Studies on Indigenous Mosquito Larvivorous Fishes and Evaluation of their Bio-control Potentiality in Purbia Medinipur District, West Bengal
44	Dr. Krishna Gangopadhyay	Asst. Prof., Netaji Nagar Day College Deptt: Zoology	Animal and Fishery sciences	Developing Physiological, Cellular and Molecular Markers to understand Survival Strategy and Pattern Diversity for Fishes along Altitudinal Gradient in Foothills of the Eastern Himalayas

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45	Dr Aindrila Chattopadhyay	Associate Professor Vidyasagar College Deptt: Physiology	Animal and Fishery sciences	Exploring the antioxidative efficacy of oleic acid against phenylhydrazine induced oxidative stress mediated damage to goat red blood cells: a molecular approach
46	Hadida Yasmin	Asst. Prof., Cooch Behar Panchanan Barma University Deptt: Zoology	Animal and Fishery sciences	Efficacy of Bioactive compounds isolated from the medicinal plants used by Rajbansi Community of Coochbehar for immunotherapeutic approaches
47	Dr Dipanwita Das	Bagnan College Deptt: Zoology	Animal and Fishery sciences	Assessment of mosquito diversity of rural and urban Howrah, West Bengal, India
48	Dr. Manchikanti Padmavati	IIT (KGP) Deptt: Rajiv Gandhi School Of Intellectual Property Law	Biological Sciences	Evaluation Of Basella species for its antioxidant potential and nutraceutical development
49	Dr. Paramita Nandy (Datta)	Assistant Professor Sister Nibedita Govt. General degree College for Girls Deptt: Botany	Biological Sciences	Metagenomic Analyses for understanding the soil-plant continuum by exploring the rhizospheric and root endophytic microflora of Heritiera fomes and Nypa fruticans from Indian Sunderbans
50	Dr. Vivekananda Mandal	Professor, University of Gour Banga Deptt. Botany	Biological Sciences	Molecular assessment of mycorrhizal association of Clerodendron indicum (L.) O. Kuntze (Verbinaceae) a high valued threatened medicinal plant for its conservation in natural environment
51	Dr Anirban Ash	Assistant Professor The University Of Burdwan Deptt: Zoology	Biological Sciences	Diversity, distribution and novelty of helminths and their fish hosts in west Bengal: Applying the tools of molecular systematics
52	Dr. Sanjoy Chakraborty	Prof, Govt. College of Engineering & Leather Technology (GCELT) Deptt: Leather Technology	Biological Sciences	Studies on species Diversity and Community Dynamics of Plankters thriving in Waste Water in View of Bio Remediation of Composite Tannery Effluent Treatment Tanks of Calcutta Leather Complex
53	Jai Prakash Keshri	Prof, University of Burdwan Deptt: Botany	Biological Sciences	Assessments of the Protein & Lipid Profiles of Commonly Occurring Algal Biomass in South Bengal for its Commercial Potentials
54	Dr. Swapna Mukherjee	Associate Prof., Dinbandhu Andrews College Deptt: Microbiology	Biological Sciences	Surveillance of Bacterial Contamination in Drinking Water of South 24 Parganas, West Bengal
55	Dr. Gouri Das	Asst. Prof., Balurghat College Deptt: Botany	Biological Sciences	Biological Diversity of Forest Fungi and Their role in Human life in The District of Dakshin Dinajpur
56	Dr. Neera sen Sarkar	University of Kalyani Deptt: Botany	Biological Sciences	"Screening diatoms of India Sundarbans for flavour-enhancing compounds and exploring associated intellectual property rights" modified to "Screening diatoms of Indian Sundarbans for flavour-enhancing compounds"
57	Sudha Gupta	Assistant Professor University of Kalyani Deptt: Botany	Biological Sciences	Exploring bee flora through melissopalynological study and quality assessment of honeys in quest of beekeeping potential for socio-economic development in Uttar Dinajpur district of West Bengal, India
58	Dr. Koushik Ghosh	Associate Professor The University of Burdwan Deptt: Zoology	Biological Sciences	Farm-made Aquafeeds using non-conventional plant feedstuffs: Nutrient evaluation & Bio-processing for formulation of carp diets
59	Dr. Santanu Paul	Associate Professor University of Calcutta Deptt: Botany	Biological Sciences	Evaluation of Anticancer and Antioxidant Potentiality of different lichens available in North Bengal
60	Dr Swagata Ghosh	Assistant Professor University Of Calcutta Deptt: Molecular Biology and Biotechnology	Biotechnology	Dissecting the molecular mechanism of N-acetylglucosamine utilization in Candida albicans for targeted drug therapy
61	Dr Sumit Kr. Hira	Assistant Professor University Of Burdwan Deptt: Zoology	Biotechnology	Mesoporous silica based micro/nano materials for targeted drug delivery: Implications in drug resistant cancer cell lines
62	Parimal Karmakar	Prof., Jadavpur University Deptt: Life science & Biotechnology	Biotechnology	Development of functional biopolymer-based matrices for delivery of healing agents in chronic wound
63	Raghendra Mishra	Asst. Prof., Ananda Mohan College Deptt: Physiology	Biotechnology	T cell polarization and their pathophysiological relevance in murine model of snake venom induced acute kidney injury
64	Dr. Partha Pratim Saha	Asst. Prof., Jagannath Kishor College Deptt: Zoology	Biotechnology	Pharmacological evaluation of the spider (Nephila sp.) venom collected from the Purulia district of West Bengal
65	Dr. Mrinal Kumar Maiti	Associate Prof., IIT, Kharagpur Deptt: Biotechnology	Biotechnology	Formulation of mycofumigation technique using endophytic fungus Geotrichum candium PF005 for improving storage facility of food grains in state warehouse
66	Dr. Indrani Chandra	Asstt. Prof. The University of Burdwan Deptt: Biotechnology	Biotechnology	Cultivation of disease free Fragaria vesca through plant tissue culture and study of its bioactive compounds
67	Dr. Gaurab Gangopadhyay	Associate Professor Bose Institute Deptt: Biology	Biotechnology	Development of transgenic pineapple over-expressing AcSERK to Combat fungal Pathogens
68	Dalia Mukhopadhyay	CWTT (Govt. approved) Asutosh College Deptt: Zoology	Biotechnology	Ameliorating effect of flavonoid antioxidant on Drosophila against low radiation-induced damage

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LIST OF APPROVED R&D PROJECTS (2017-18)

69	Prof. Satadal Das	Assistant Professor. RRI, CCRH, Kolkata Deptt: Virology	Biotechnology	Mangrove Plants: A solution to bacterial, fungal and cancerous growth.
70	Dr. Shampa Sarkar Biswas	Asstt.Prof. Presidency University Deptt: Life Sciences	Biotechnology	Angiotensin II blockers in the amelioration of male germ cell degradation and the molecular mechanism behind it.
71	Dr. Sankar Chandra Moi	Associate Prof, National Institute of Technology Deptt: Chemistry	Biotechnology	Synthesis and characterization of Cis-platin based Pt/Pd(II) complexes: Their kinetics, mechanism, DNA binding property and theoretical study
72	Dr. Buddhadeb Dutta	RKM Vivekananda Centenary College Deptt: Chemistry	Chemical Sciences	Metal Immobilized Inorganic Porous Solid Matrices: Syntheses, Characterizations and Applications as Green Heterogeneous Catalysts
73	Dr. Joykrishna Maity	Assistant Professor Ramakrishna Mission Residential College (Autonomous) Deptt: Chemistry	Chemical Sciences	Synthesis of Carbohydrate-Derived Conformationally Constrained Carbocyclic and Heterocyclic Ring Containing cis- β -Amino carboxylic Acids and Evaluation of Biological Properties
74	Prof. Ranjan Das	Professor West Bengal State University Deptt: Chemistry	Chemical Sciences	Fluorescence Probing of Relaxation Dynamics at Interfaces and their Role in Biomolecular Recognition
75	Prof. Deb Kumar Mukherjee	Principal Ramsaday College Deptt: Chemistry	Chemical Sciences	Metal nanoparticles as recyclable catalysts for degradation of organochemical based pesticides
76	Prof. Rina Ghosh	Professor Jadavpur University Deptt: Chemistry	Chemical Sciences	Studies on regioselective protection and deprotection of carbohydrates, stereoselective glycosylation reaction and bacterial antigen related oligosaccharide synthesis
77	Dr. Nirbhik Chatterjee	Associate Professor Kanchrapara College Deptt: Chemistry	Chemical Sciences	Hypervalent iodine mediated construction of valuable heterocyclic scaffolds: computational study, scopes and applications.
78	Dr Sougata Sarkar	Assistant Professor Deptt: Chemistry Ramakrishna Mission Vivekananda Centenary College	Chemical Sciences	Wet Chemical Synthesis of Non-Iron Based Hierarchical Magnetic Nanostructures: An Intriguing Platform for Heterogeneous catalysis and Water Purification
79	Dr. Suprakash Roy	Lecturer in Chemistry, Arambagh, Govt. Polytechnic College, Arambagh, Hooghly	Chemical Sciences	Active Site Modeling of Copper-Proteins Chemistry & Bio-Chemistry
80	Dr. Dipankar Sukul	Associate Prof, National Institute of Technology Deptt: Chemistry	Chemical Sciences	Search for effective corrosion inhibitors based on benzothiazole derivatives: combined experimental and theoretical approach to establish structure-reactivity relationship
81	Bijan Das	Prof, Presidency University Deptt: Chemistry	Chemical Sciences	Biopolymer-Surfactant Interaction: Experiment & Modeling
82	Dr. Pankaj Kumar Roy	Associate Prof., Jadavpur University Deptt: School of Water Resources Engineering	Chemical Sciences	Study to Develop Appropriate Methods for Safe Disposal of Arsenic-Rich Sludge
83	Dr. Tanmay Chattopadhyay	Asst. Prof., Panchakot Mahavidyalaya, Deptt: Chemistry	Chemical Sciences	Surface-Modified Ferrite Nanoparticles: A Magnetically Recoverable Nanocatalyst for Various Organic Transformations
84	Avijit Sarkar	Asst. Prof., Bhairab Ganguly College Deptt: Chemistry	Chemical Sciences	Studies on the Coordination Chemistry of 3d transition metal complexes supported by multidentate ligands
85	Nilasish Pal	Asst. Prof., Seth Anandram Jaipuria College Deptt: Chemistry	Chemical Sciences	Exploring the chelating behaviour of 2-(2'-Pyridyl) imidazole based ligands towards the construction of Metal Organic Framework
86	Dr. Piyali Ghosh	Asst. Prof., M.U.C. women's College, Burdwan Deptt: Chemistry	Chemical Sciences	Quantitative Structure Activity Relationship
87	Dr. Shubhankar Samanta	Asst. Prof., Bidhannagar College Deptt: Chemistry	Chemical Sciences	Synthetic studies towards biologically active pyrrole fused heterocyclic compounds
88	Dr. Paramita Majumder	Asst. Prof., Bethune College Deptt: Chemistry	Chemical Sciences	Study of some transition metal complexes with new pincer ligands: Synthesis, characterization and reactivity
89	Debajyoti Ghoshal	Asst. Prof., Jadavpur University Deptt: Chemistry	Chemical Sciences	Synthetic strategies for the design of porous coordination polymers for preferred adsorption of different gases
90	Dr. Pradip Kumar Tapaswi	Assistant Professor Narasinha Dutt College Deptt: Chemistry	Chemical Sciences	Transparent polyimide hybrid films with high T _g and low CTE prepared through controlled refractive index and their applications for flexible substrated
91	Sasikumar Palani	Asst. Prof., Presidency University Deptt: Chemistry	Chemical Sciences	Mixed Metal Oxide Incorporated Functionalized Graphene Oxide: Synthesis, Characterization and Application to Heavy-metal Contaminated Water Treatment
92	Dr. Sambhunath Bandyopadhyay	IPGME & R, Deptt : Obstetrics and Gynecology	Earth Sciences Including Geoinformatics	GIS Technology in Prevention of Genital Cancer with HPV Vaccine in Rural Sector

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93	Joydip Mukhopadhyay	Professor Presidency University, Kolkata, Deptt: Geology	Earth Sciences Including Geoinformatics	Understanding the controls on sedimentary sequence development of Gondwana successions: case studies from the eastern India coal fields
94	Dr. Gautam Kumar Deb	Assistant Professor. Presidency University Deptt: Geology	Earth Sciences Including Geoinformatics	Tectonic evolution of North Purulia Shear Zone in an area around Ishwardanga, Purulia, West Bengal, with special emphasis on origin of aplitic veins.
95	Supriyo Kumar Das	Associate Professor Presidency University deptt: Geology	Earth Sciences Including Geoinformatics	Biogenic natural gas potential in Bengal Basin: An organic geochemical approach
96	Dr. Bharath Haridas Aithal	Assistant Professor IIT, Kharagpur Deptt: Ranbir and Chitra Gupta School of Infrastructure Design and Management	Earth Sciences Including Geoinformatics	Planning Smart cities: urban dynamics and surface temperature extraction using Hyperspectral remote sensing data
97	Dr. Suranjana Banerji	Asst. Prof., Presidency University Deptt: Geography	Earth Sciences including Geoinformatics	Changing Urban Landscape and Its Impact on Water Resources: A Case Study of Kolkata Municipal Corporation Area
98	Dr. Priyank Pravin Patel	Asst. Prof., Presidency University Deptt: Geography	Earth Sciences including Geoinformatics	Implementing eco-geomorphological mitigation methods for alleviating riverbank erosion and flood hazard in the Lower Silai River Corridor in Paschim Medinipur District of West Bengal
99	Dr Punarbasu Chaudhuri	Assistant Professor and Head Of the Department University Of calcutta Deptt:Environmental Science	Earth Sciences Including Geoinformatics	Spatio-temporal assesment of air quality and its health effect using geoinformatics:case study from Kolkata
100	Dr. Dhananjay Barman	Scientist, ICAR-Central Research Institute for Jute & Allied Fibres Deptt: Agriculture Research and Education	Earth Sciences Including Geoinformatics	Assessment of vulnerability of jute production to climate change and its mitigation strategies development using remote sensing and GIS in West Bengal
101	Dr. Nillohit Mukherjee	Assistant Professor Indian Institute of Engineering Science and Technology, Shibpur. Deptt: Centre of Excellence for Green Energy and Sensor Systems	Physical Sciences	Nanostructured Materials and Interfaces for Enzymeless Electrochemical Sensing of Serotonin and Dopamine.
102	Dr. Atish Dipankar Jana	Reader, Behala College Deptt: Physics	Physical Sciences	Designing crystalline host materials to encapsulate water clusters in nano-spaces and their utilization as proton wires
103	Anirban Bose	Assistant Professor Serampore College Deptt: Physics	Physical Sciences	Determination and Study of Pair Correlation Function in Weakly Correlated plasma
104	Dr. Pabitra Kumar Chakrabarti	University of Burdwan, Deptt : Physics	Physical Sciences	Microstructural, Magnetic, Dielectric and Optical Properties of Some Diluted Magnetic Systems
105	Sukhamoy Bhattacharyya	Assistant Professor Acharya Profulla Chandra College deptt: Physics	Physical Sciences	Ab-initio Investigations on the Structural Aspects of Few-Body Atomic Systems under Spatial Confinement
106	Dr. Ratna Koley	Associate Professor Presidency University Deptt: Physics	Physical Sciences	Primordial Magnetic Fields and Their Imprints on Successive phases of Evolution
107	Joydeep Chowdhury	Associate Professor Jadavpur University Deptt: Physics	Physical Sciences	Lab on Chips for Trace Detections of Arsenic, Melamine, Heavy Ions and in one Click Diagnostic Applications Using Sers
108	Dr. Malay Purkait	Associate Professor Ramakrishna Mission Residential College Deptt: physics	Physical Sciences	Electron loss processes induced by bare ion impact on biological target molecules and other molecules.
109	Pradip Kumar Mondal	Associate Professor Egra Sarada Shashi Bhusan College Deptt: Physics	Physical Sciences	Numerical Study of Exchange of angular momentum in interaction of optical vortex beams with molecules
110	Dr. Sudipta Pal	Associate Professor University of Kalyani Deptt: physics	Physical Sciences	Study of Griffiths phase and magnetocaloric behavior around magnetic phase transition in some electron doped manganites
111	Dr Md. Mabud Hossain	Assistant Professor Aliah University Deptt:Physics	Physical Sciences	Study of coherent nonlinear resonances in Zeeman sublevels of hyperfine structure of Rb atoms using pump-probe laser spectroscopy:Theory and Experiment
112	Dr Sachindra Nath Das	Assistant Professor Jadavpur university Deptt: Instrumentation Science	Physical Sciences	Study on Optoelectronic Properties Of Mixed haldie Hybrid Perovskite Material Synthesized by Mechanochemical Method
113	Makhanlal Nanda Goswami	Asst. Prof., Midnapore College Deptt: Physics	Physical Sciences	Preparation and Characterization of Nanoscale Multiferroic Materials for the enhancement of both electric and magnetic polarization in the same matrix
114	Dr. Arijit Ghosh	Asst. Prof., Ananda Mohan College Deptt: Physics	Physical Sciences	Physical characterization and application of green-synthesized plastic magnets and its nanocomposites
115	Mitali Mondal	Associate Prof., Jadavpur University Deptt: Physics	Physical Sciences	Study on QGP and its Properties Using Correlation and Fluctuation Phenomena in Ultra-relativistic Heavy Ion Collisions

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116	Dr. Kaustuv Das	Asst. Prof., Jadavpur University Deptt: Physics	Physical Sciences	Study of zinc oxide thin films as gas sensor under high relative humidity
117	Dr. Jayanta Sen	Associate Professor Taki Government College Deptt: Mathematics	Mathematics	Applications of fuzzy logics on Classical Linear Algebra and Extended Many-Valued Algebra.
118	Soumen De	Associate Professor University of Calcutta Deptt: Applied Mathematics	Mathematics	Some radiation and scattering problems in the theory of Water waves and associated mathematical techniques
119	Dr Ritabrata Biswas	Assistant Professor The University Of Burdwan Deptt:Mathematics	Mathematics	Modern day Universe with Late Time Acceleration: Effect on Several Astrophysical Phenomena
120	Dr. Sukumar Mondal	Associate Prof., Vidyasagar University Deptt: Mathematics	Mathematics	Algorithmic Approach on Some Special Graphs in the Scenario of Real Life Problem
121	Dr. Sanat Kumar Mahato	Associate Prof., Sidho-Kanho-Birsha University Deptt: Mathematics	Mathematics	Studies on Some Reliability Optimization Problems in Fuzzy and Intuitionistic Fuzzy Environments via Soft Computing Techniques
122	Dr. Bishwambhar Roy	Asst. Prof., Women's Christian College Deptt: Mathematics	Mathematics	Unification and generalization of topological concepts and some of its applications
123	Rabindra Nath Gayen	Asst. Prof., Presidency University Deptt: Physics	Energy and Allied Sciences	Development of nanostructured composite photo-electrode for dye-sensitized solar cells
124	Shib Sankar Saha	Prof., Kalyani Government Engineering College Deptt: Electrical Engineering	Energy and Allied Sciences	Development of Cost-Effective, Efficient and Compact SPV System for Rural Application
125	Dr. Atul Krishna Banik	Associate Prof., National Institute of Technology Durgapur Deptt: Civil Engineering	Energy and Allied Sciences	Prospects and study of floating offshore wind turbine (FOWT) platforms for wind energy harnessing
126	Dr. Asit Kumar Batabyal	Principal Scientist, CSIR-Central Mechanical Engineering Research Institute	Engineering and Technology	Safe disposal of fluoride rich sludge through encapsulation in cement stabilized blocks using the low cost geomaterials
127	Dr. Ambarish Ghosh	Professor Indian Institute of Engineering Science and Technology, Shibpur Deptt: Civil Engineering	Engineering and Technology	Prediction of construction induced vibration and Development of Mitigation Strategy
128	Dr. Kaushik Das Sharma	Associate Prof University of Calcutta Deptt: Applied Physics	Engineering and Technology	Development of Energy Efficient Intelligent Building Architecture Based on User Activity.
129	Dr. Bibhash Sen	Asstt. Prof. NIT, Durgapur. Deptt: Computer Science and Engineering	Engineering and Technology	Design of light weight and Cost effective PUF-Enabled Secure Architecture for Authentication and FPGA based Applications.
130	Dr. Subrata Nandi	Assistant Professor. NIT, Durgapur. Deptt: Computer Science and Engineering	Engineering and Technology	Developing ICT-based kiosks for post-disaster situational indormation management using opportunistic networkin framework
131	Partha Bhattacharya	Professor. Jadavpur University Deptt: Civil engineering	Engineering and Technology	Sound Transmission Modelling in underground railway system.
132	Dr. Sunita Adhikari (Neepramanik)	Associate Professor Jadavpur University Deptt: Food Technology & Biochemical Engineering	Engineering and Technology	Fermentative production of microbial Asparaginase enzyme and its application to high temperature processed Foods for Acrylamide mitigation
133	Dr. Runu Banerjee Roy	Associate Professor Jadavpur University. Deptt: Instrumentation and Electronics Engineering	Engineering and Technology	Qualitative assessment of India tea by developing specific electrodes of an electronic tongue
134	Dr Indrajit Banerjee	Assistant Professor Indian Institute Of Engineering Science And Technology Deptt: Information Technology	Engineering And Technology	Wireless Sensor Network Based Safety Measures To Curb Drowning And Accidents In Water bodies
135	Subir Kumar Sarkar	Professor Jadavpur University Deptt:Electronics and Telecommunication Engineering	Engineering And Technology	Cost effective and manpower efficient Real-Time Implementation of RFID Based Surveillance System for Poultry Based Industry in Rural/Urban region to solve the aviaqni influenza/ bird flu problem
136	Santanu Chattopadhyay	Prof, IIT, Kharagpur, Deptt: Electronics and Eclectrical Communication Engineering	Engineering and Technology	Developing Design-for-Security Techniques in Integrated Circuits via Logic Encryption

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SALT LAKE, KOLKATA-700064

LIST OF APPROVED R&D PROJECTS (2017-18)

137	Rajib Dey	Prof., Jadavpur University Deptt: Metallurgical & Material Engineering	Engineering and Technology	Design of nanocarriers for sustained release of conventional analgesic drugs
138	Dr. Arijit Kundu	Associate Prof., Jalpaiguri Government Engineering College Deptt: Mechanical Engineering	Engineering and Technology	Heat Transfer Enhancement of inside finned tube flow boiling of environmental-friendly refrigerants.
139	Dr. Arghadeep Biswas	Asst. Prof., Jalpaiguri Government Engineering College Deptt: Civil Engineering	Engineering and Technology	Performance Evaluation of Sand/Stone Column in Clay under Varying Loading and Different Combinations of Configurations
140	Pinaki Mukherjee	Asst. Prof., Government College of Engineering & Ceramic Technology Deptt: ECE	Engineering and Technology	Design optimization of broadband microstrip antenna
141	Satyendra Nath Mandal	Asst. Prof., Kalyani Government Engineering college Deptt: Information Technology	Engineering and Technology	Survey, surveillance of most important diseases of paddy, potato and mustard plant using Quad copter drones (UAV) through Image Processing and advisory services
142	Dr. Amitava Ray	Principal, Jalpaiguri Government Engineering College Deptt: Mechanical Engineering	Engineering and Technology	Green supply chain performance measurement: a comparative study of manufacturing organizations in West-Bengal
143	Sarbani Roy	Associate Prof., Jadavpur University Deptt: Computer Science and Engineering	Engineering and Technology	Participatory and Real Time Pollution Monitoring System for Smart City
144	Palash Kumar Kundu	Associate Prof., Jadavpur University Deptt: Electrical Engineering	Engineering and Technology	Development of cardiovascular Waveform Simulator for training of medical Professionals
145	Dr Soma Barman	Assistant Professor, Stage-III University Of Calcutta Deptt: Institute of Radio Physics & Electronics	Engineering and Technology	Cytomorphonic Cmos Circuit Modelling and Ultra-Low Power Design of P53 Protien Pathway for Synthetic Biology Applications
146	Chandrani Dutta	Lecturer (Contractual Whole Time Teacher, Govt, Approved Post) Asutosh College, University Of Calcutta Deptt: Environmental Science	Environment, Ecology and Climate Change	Assesment of Ground Water Pollution with Special reference to Salt Water intrusion in The Basanti Block, South 24 Parganas District, West Bengal
147	Dr. Bomba Dam	Visva-Bharati, Deptt - Botany	Environment, Ecology and Climate Change	Impact of Sulphate on Microbial Population Dynamics and Carbon Cycling due to Sea Water Intrusion in Mangrove Ecosystem: A future Global Warming Scenario
148	Ass Prof. Subarna Bhattacharyya	Jadavpur University Deptt: School of Environmental Studies	Environment, Ecology and Climate Change	Profiling indoor air borne mycoflora of kolkata and their control by using mangrove plant extracts
149	Dr. Sandip Mondal	Asstt. Prof. NIT Deptt: EES	Environment, Ecology and Climate Change	Emerging Contaminants and their accumulation in ecosystem of lower stretch of Hooghly River
150	Dr. Swati Roy Gangopadhyay	Assistant Professor Barrackpore Rastraguru Surendranth College Deptt: Microbiology	Environment, Ecology and Climate Change	Water quality assessment of river Ganga and Identification of bacterial population from different stations in the southern districts of West Bengal (Nadia, North & South 24 Parganas, Kolkata, Howrah , East Midnapore and Hooghly)
151	Dr. Samit Ray	Prof., Visva Bharati Deptt: Botany	Environment, Ecology and Climate Change	Study of distribution pattern of various moss species in Darjeeling and adjoining areas with special emphasis on macro and micromorphological variations and their in situ conservation
152	Souryadeep Mukherjee	Asst. Prof., Presidency University Deptt: Life Sciences	Environment, Ecology and Climate Change	Studies on Butterfly Diversity and Abundance in Southern West Bengal Covering Lateritic Belt, Lower Gangetic Plain and Coastal and Mangrove Regions with Emphasis on Ecological and Biochemical Interactions
153	Dr. Sumit Mandal	Asst. Prof., Presidency University Deptt: Life Sciences	Environment, Ecology and Climate Change	Effect of global warming on physiological responses of some commercially important aquatic shellfishes of West Bengal
154	Dr. Sourav Paul	DST INSPIRE Faculty, University of Calcutta Deptt: Zoology	Environment, Ecology and Climate Change	An eco-physiological approach towards the consequences of salinity, temperature stress on commercial fish species of Indian Sundarbans
155	Dr. Biswajit Ruj	Senior Principal Scientist, CSIR-Central Mechanical Engineering Research Institute Deptt: Environmental Engineering	Environment, Ecology and Climate Change	Deployment of Community Level Water Purification Plants for Removal of Iron from Groundwater in Iron Affected Rural/Tribal Villages for Supply of Safe Drinking Water
156	Samik Bindu	Assistant Professor. Cooch Behar Panchanan Barma University Deptt: Zoology	Medical Sciences including Public Health	Identification and development of bio-active natural and synthetic small molecules to prevent pulmonary fibrosis
157	Dr. Kalyan Giri	Assistant Professor Presidency University Deptt: Life Sciences	Medical Sciences including Public Health	In silico Structural and Functional investigations of HIV Accessory Proteins from different geographical regions and subtypes

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LIST OF APPROVED R&D PROJECTS (2017-18)

158	Dr. Ujjal Kumar Sur	Asst. Prof., Behala College Deptt: Chemistry	Medical Sciences including Public Health	Rapid identification of pathogens employing biosynthesized metal nanoparticles as SERS active substrate
159	Dr. Chitragada Das Mukhopadhyay	Assistant Professor IIEST, Shibpur Deptt: Centre for Healthcar Science and Technology	Medical Sciences including Public Health	Induction of local hyperthermia to treat brain cancer using electromagnetic field
160	Dr. Bhaswati Bandyopadhyay	Assistant Professor. School of Tropical Medicine Deptt: Microbiology	Medical Sciences Including Public Health	Seroprevalence and Molecular characterization of Scrub Typhus in the State of West Bengal
161	Mamta Chawla-Sarkar	Scientist E (Deputy Director) National Institute for Cholera and Enteric Diseases Deptt: Virology	Medical Sciences Including Public Health	Coupling virus-host interaction to host subcellular quantitative proteomics: An unbiased untegrated approach to decipher host determinants for rotaviral infection.
162	Dr. Subrata Goswami	Course Director ESI Institute of Pain Management , Deptt: Pain Management Unit	Medical Sciences Including Public Health	A Development of a Computer - Based Medical Decision Support System for Low Back pain Management
163	Dr Ranjana Pal	Presidency University Deptt: Life Science	Medical Sciences Including Public Health	Investigating the cell death mechanism activated by theophylline in triple negative breast cancer
164	Dr Rajat Chottopadhyay	Principal of the Calcutta Homeopathic Medical College And Hospital	Medical Sciences Including Public Health	Detailed Screening, Documentation & Evaluation of Scientifically proved & unproved homeopathic drugs along with their therapeutic values prepared from medicinal 7 aromatic plants from loganacae family
165	Dr Shubhamoy Ghosh	PI & HOD Mahesh Bhattacharyya Homeopathic Medical College & Hospital Deptt:Pathology & Microbiology	Medical Sciences Including Public Health	An open randomized trial in pre-diabetes evaluating efficacy of add-on plant extracts used in homeopathy as mother tinctures
166	Dr Kausik Das	Associate Professor Institute of Post-Graduate Medical Education & Research Deptt:Hepatology	Medical Sciences Including Public Health	Virological response to Tenofovir in a real-world chronic hepatitis B population from Eastern India and its correlation to HBV genotype, subgenotype and quasispecies structure
167	Dr. Pinaki Mukhopadhyay	Associate Prof., NRS Medical College Deptt: Nephrology	Medical Sciences including Public Health	Progression of chronic kidney disease from acute kidney injury following snake envenomation- markers for risk stratification
168	Dr. Diptendra Kumar Sarkar	Prof., IPGME&R Deptt: General Surgery	Medical Sciences including Public Health	Role of COX-2 inhibitor in the treatment of metastatic Breast Cancer
169	Dr. Arnab Sengupta	Prof., Medical College Kolkata Deptt: Physiology	Medical Sciences including Public Health	An Electrophysiological Evaluation of Coronary Artery Disease Using Spatial Vectorcardiography
170	Dr. Amit Chakrabarti	Scientist "E"(Deputy Director-Medical), Regional Occupational Health Centre, Eastern Deptt: Toxicology & Industrial Hygiene	Medical Sciences including Public Health	Association of chronic environmental organophosphorus pesticide exposure with neurodegenerative disease: Case control study in rural West Bengal
171	Amallesh Samanta	Prof., Jadavpur University Deptt: Pharmaceutical Technology, Division of Microbiology and Biotechnology	Medical Sciences including Public Health	Fabrication and Characterization of Natural Polysaccharide Based Bioerodible Localized Spongy Scaffold: A Potential Role in Augmenting Wound Healing
172	Dr. Atanu Saha	Asst. Prof., Sister Nibedita Govt. General Degree College for Girls Deptt: Physiology	Medical Sciences including Public Health	Evaluation of effect of chronic exposure to air pollution on respiratory health and oxidative damage among the traffic cops in West Bengal: A multicenter, meteorological matrix-based evaluation
173	Dr. Rana Bhattacharjee,	Asst. Prof., IPGME&R, Deptt: Endocrinology and Metabolism	Medical Sciences including Public Health	Novel Biomarkers for prediction of Gestational Diabetes Mellitus.