

**Sponsored research projects in operation during the period under report (please provide name/s of PI/Co-PIs, title of the project, funding agency and total quantum of external support) (2018-2022)**

**Minor Project**

Sl No	Name of the PI	Title of the project	Funding Agencies	Amount sanctioned in rupees (Lakh)	Sanctioned year	Completion Year	Current status of the project
1	Dr. Suhridd Ranjan Dutta	Detection and Functional aspects of serine protease inhibitors in insect	RUSA 2.0 (Component 8)	1.02	2021	2023	Ongoing
2	Dr. Aparnita Bhattacharjee	Change in the Status of Next generation People in terms of Education and Occupation: A study in the Habitation of People from East Bengal, East Pakistan and Bangladesh in Talbagicha and KhairullaChak	RUSA 2.0 (Component 8)	0.5	2021	2023	Ongoing
3	Dr. Susnata Jana	Folk Language (Lokabhasha) of Medinipur	RUSA 2.0 (Component 8)	0.6	2021	2023	Ongoing
4	Dr. Tilak Narayan Ghosh	Graphene Oxide/Reduced Graphene Oxide-Polymers/Nanoparticles Composite: Characterization and Different Applications	RUSA 2.0 (Component 8)	1.1	2021	2023	Ongoing
5	Dr. Rajsekhar Bar	Synthesis of all Inorganic Cesium Lead Halide Perovskite (CsPbX <sub>3</sub> ) Nanocrystals to Design Novel Electronic and Optoelectronic Devices	RUSA 2.0 (Component 8)	1.3	2021	2023	Ongoing
6	Dr. Tanusri Pal	Development of Optical Nano Composite Based on SnS <sub>2</sub> , MoS <sub>2</sub> , WS <sub>2</sub> and RGO for Photocatalysis and Light harvesting Application	RUSA 2.0 (Component 8)	1.3	2021	2023	Ongoing
7	Dr. Samir Kumar Bhunia	A Green Approach for Functionlization of Coumarin Scaffolds and Photo-Biological Application	RUSA 2.0 (Component 8)	1.1	2021	2023	Ongoing

8	Dr. Koushik Chandra	A study on Management of Diabetic Complications by PLP - Carnosine Mediated Antiglycation Agents	RUSA 2.0 (Component 8)	1.2	2021	2023	Ongoing
9	Dr. Arindam Bankura	Understanding the Mechanism of Non-Enzymatic Glycation Mediated Structure - Function Changes in Proteins : A Molecular Dynamics Simulation Study	RUSA 2.0 (Component 8)	1.27	2021	2023	Ongoing
10	Dr. Payel Maity	Evaluation of Occupational Strees, Morbidity Profile and Microbial Assay among Cotton Spinning Mill and Wood Industrial Workers	RUSA 2.0 (Component 8)	1.1	2021	2023	Ongoing
11	Dr. Sujaya De	Evaluation of Occupational Health Problems of Bamboo Basket Makers	RUSA 2.0 (Component 8)	1.1	2021	2023	Ongoing
12	Dr. Tanmoy Basak	Immuno-Clinical Investigation of IgE-Mediated Nosocomial Fungal Allergy : A serious Hospital Acquired Health Hazard in West Bengal	RUSA 2.0 (Component 8)	1.2	2021	2023	Ongoing
13	Dr. Goutam Ghosh	Integration of DNA Barcoding with Traditional Morpho-Taxonomy for Identification of Soil nematodes and a study on their Community Dynamics from different ecosystems of Purba and Paschim Medinipur	RUSA 2.0 (Component 8)	1.2035	2021	2023	Ongoing
14	Dr. Manimohan Mandal	Solu+G16+D11:D16+D10:D16+G16+D11:D16+G16+D11:D16+D9:D16+G16+D11:D16+D8:D16+D6:D16+D5:D16+D3:D16+D2:D16+A1:E16+G+D2:D16	RUSA 2.0 (Component 8)	0.95	2021	2023	Ongoing
15	Dr. Phatik Chand Ghosh	Jangalmahaler Lokesamaj Sahitya o Sanskriti	RUSA 2.0 (Component 8)	1.5	2019	2021	Completed
16	Dr. Indranil Manna	A Study on The Physical Fitness of Tribal Female Athletes Due to Iron Deficiency	RUSA 2.0 (Component 8)	1.5	2019	2021	Completed

17	Dr. Shakti Prasad De	Midnapore College : Establishment and Educational Progress in The Colonial Period an Analysis.	RUSA 2.0 (Component 8)	1.1	2019	2021	Completed
18	Dr. Amar Kumar Saha	Medinipur & Kharagpur Sub - Divisioner Chhara & Dhandaa Charcha	RUSA 2.0 (Component 8)	1.34	2019	2021	Completed
19	Dr. Somdatta Ghosh	Impact of controlled burning in forest floor on soil physiochemical conditions, nutrient availability, vegetation structure and beneficial soil microflora in dry deciduous forest in South Bengal, India	RUSA 2.0 (Component 8)	1.5	2019	2021	Completed
20	Mr. Krishna Gopal Dhal	Digital pathology Image Segmentation Using Nature-Inspired Optimization Algorithms"	RUSA 2.0 (Component 8)	1.4	2019	2021	Completed
21	Dr. Rajib Pradhan	Designing with Coupling Analysis of a Perefect Microstrip Transmission Line Metamaterial	RUSA 2.0 (Component 8)	0.55	2019	2021	Completed
22	Dr. Piale Roy	A Study on the Corrosion inhibition properties of some Chemically modified Polysaccharides on metal	RUSA 2.0 (Component 8)	1.5	2019	2021	Completed
23	Dr. Sukesh Patra	Isolation, Purification and Structural Characterization of Bioavtive Polysaccharides from the leaves of Piper Betle	RUSA 2.0 (Component 8)	1.5	2019	2021	Completed
24	Dr. NilkamalMaiti	Synthesis, Characterization and photo-physical studies on composite nanomaterials obtained through complex decomposition method	RUSA 2.0 (Component 8)	1.5	2019	2021	Completed
25	Dr. GobindaPrasad Shao	Synthesis, Characterization and photo-physical studies of some selective organic nano/micro particles	RUSA 2.0 (Component 8)	1.5	2019	2021	Completed

26	Dr. Animesh Patra	Synthesis, structural characterization and biological applications of some transition metal complexes with NNO/NSO donor Schiff base ligands	RUSA 2.0 (Component 8)	1.5	2019	2021	Completed
27	Dr. Akhil Pandey	Investigation of volatile antimicrobial compounds from endophytic fungi	RUSA 2.0 (Component 8)	1.5	2019	2021	Completed
28	Dr. Giridhari Panda	A Critical Study on Stream of Smritishastra in the Land of Bengal	RUSA 2.0 (Component 8)	1.5	2019	2021	Completed

## Major Project

Sl No	Name of the PI	Title of the project	Amount sanctioned in rupees (Lakh)	Funding Agencies	Sanctioned Year
1	Dr. Abhijit Bera	Microscopic understanding of optoelectronic devices using scanning probe microscopy: Band engineering and charge transport properties	47.9	SERB, Major	2020
2	Dr. Dulal De	Fish trapping : Study on Plants used as toxin or stupefying for catching fish by ethinc people of Paschim Medinipur, District, W.B	13	DSTBT, W.B	1/6/2019
3	Dr.Parthasarathi Maiti (PI) and Dr. Koushik Chandra (Co-PI)	"Identification of Allelochemicals from Invasive plants in South West Bengal and Development of New Bioherbocides"	25.265	Government Of West Bengal, Science and Technology and Biotechnology Department	2019
4	Dr.Tridib Tripathy (PI) and Dr. Akhil Pandey (Co PI)	Preparation of metal nanoparticles by the structurally modified mushrooms for the anti microbialpolysaccharides applications	17.743	Government Of West Bengal, Department of Biotechnology	12/3/2018
5	Dr. Makhanlal Nanda Goswami	Preparation and characterization of nanoscale multiferroic materials for the enhancement of both electric and magnetic polarization in the same matrix	15.08	WBSCST Major	2018
6	Dr. Bidyut K. Senapati	A convergent synthetic approach towards annelated nitrogen heterocycles	18.3	SERB, DST Major	2018
7	Dr. Abhijit Bera	Atomic-scale electronic and geometric structure of 2D materials and its relation to chemical reactivity and electrical properties	1.35	UGC DAE CSR	2022

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