

## List of Recent Research Projects of the Faculty Members

Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Sanctioned (Rs.)
<b>Minor projects</b>	08-10-09 to 07-04-11	No. F. PSW-172/09-10(ERO); “Synthesis, structure and reactivity of Oxovanadium (IV/V) complexes with some multidentate O, N- donor ligands”	UGC (Minor project) (Dr. T. Ghosh)	1,34,000/-
	08-10-09 to 07-04-11	No. F. PSW-171/09-10(ERO); “Supported and / or unsupported hydrotalcite-like anionic clays as heterogeneous catalyst in organic reactions”	UGC (Minor project) (Dr. S. Banerjee)	1,23,000/-
	10.08.2009-10.04.2011	Isolation--- of Yeast Flora from natural sources of W. Bengal and their application as biocontrol agents against post harvest Penicillium rot of Citrus	UGC (Minor project) (Dr. S. K. Ghosh)	50,000/-
	25.01.2012-24.01.14	An attempt to simulate evolutionary design in biological system using physical & mathematical models.	UGC (Minor project) Dr. R. Kundu	1,23,000/-

	08.10.2009-04.07.2011	On the properties of solitonic pulse propagation in optical fiber	UGC (Minor project) Dr. C.K. Das	71,000/-
<b>Minor projects</b>	18.3.17-18.3.19	“Studies on Freshwater Cyanobacterial Diversity of Purba and PaschimMedinipur Districts of West Bengal and Screening of Antimicrobial Potentials of Selected Species.	UGC (Minor project) Dr. H.S.Dey	4,30,000/-
	18.3.17-18.3.19	Qualitative and quantitative study of seedling morphology in relation to Taxonomic identification of some members of Meliaceae occurring in West Bengal	UGC (Minor project)  (Dr. B. Roy)	2,95,000/-
	18.3.17-18.3.19	ERO UGC MRP ID: ROMRP-ERO-ZOOL-2015-16-19558  Formation of a Taxonomic Database of Toxic Dinoflagellates and Related Planktons through DNA Barcoding from Coastal Tourist Spots of East Midnapore District of West Bengal	UGC(Minor project)  (Dr. K. Bhattacharjee)	3,63,000/-

	18.3.17- 18.3.19	ERO UGC ; MRP ID: ROMRP-ERO- ZOOOL-2015-16-39470  Screening of Carotenoids From Bioresources of Indiansundarban Mangrove Biosphere And Selective Use of Floral Carotenoids As Fish Feed Additive	UGC(Minor project)  (Dr. A. Mukherjee)	4,10,000/-
	18.3.17- 18.3.19	ERO UGC MRP ID : ROMRP-ERO-ZOOOL-2015- 16-22451  Studies on Behaviours and Ecology of Common Crow (Corvus splendens); Family: Corvidae.	UGC(Minor project)  (Mr. S. Sardar)	2,84,000/-
	2016-2017	Study on preferential shell choice of Hermit crab	Social Environmental and Biological Association (SEBA)  (Mr. S. Sardar)	Small research project grant ; sanctioned; Amount: 14,000/-
<b>Major projects</b>	1-12-2007 to 31-5-2011	"Synthesis of functionalized bischromones and their utilization in forming macrocycles and other molecular receptors."	CSIR  (Major project)  (Dr. C. Bandyopadhyay)	13,01,586/-
	30-01-08 to 29-1-12	No.BT/PR8217/Med/14/ 1239/2006; "Introducing chromone linked nitro derivatives as novel antileishmanial agent against experimental visceral leishmaniasis: A chemotherapeutic approach".	DBT  (Major project)  (Dr. C. Bandyopadhyay)	10,94,000/-

	21-02-12 to 20-02-15	No. 02(0029)/11/EMR-II "Multi Component Reactions Based on Chromone Skeleton"	CSIR  (Major project)  (Dr. C. Bandyopadhyay)	14,91,725/-
	11.08.2011- 11.08.2014	Isolation, characterization of fungi from different natural sources of W. Bengal and their application as biocontrol agents against shoot and fruit borer insect( <i>Leucinodes orbonalis</i> ) of brinjal	Dept of Sciences &Technology DST(Gov.of WB)  (Major project)  (Dr.S.K.Ghosh)	12,52,334/-
	26.01.13- 26.12.16	Study of Fungal Diseases of Some important Medicinal Plants In 24 – Parganas ,West Bengal	NMPB(AYUSH),Ministr y of Health &Family welfare.  Gov. of INDIA  (Major project)  (Dr.S.K.Ghosh)	17,23,600/-
	2008- 2011	In vitro propagation of indigenous medicinal plants.	West Bengal Biodiversity Board  (Dr. B. Ghosh)	12, 55,000/-
	2009- 2012	Plant DNA Bank of Economic, Endemic and Endangered species of West Bengal	West Bengal Biodiversity Board  (Dr. B. Ghosh)	24,76, 100/-
	2011-2014	DNA bank & in vitro conservation of wild aromatic & non-aromatic rice varieties of West Bengal as an approach for ex-situ conservation”	UGC, New Delhi  (Dr. B. Ghosh)	10,96,200/-

	2012-2014	“In vivo and in vitro conservation of gradually vanishing native chilli ( <i>Capsicum</i> ) diversity from West Bengal’s agricultural milieu”,	Dept of Sciences & Technology DST(Gov.of WB)  (Dr. B. Ghosh)	18,64,434/-
	2013- 2016	“Cytological & Phytochemical analysis molecular characterization & in vitro propagation of some Indian species of <i>Ornithogalum</i> L  As Co-I	UGC, New Delhi  (Dr. B. Ghosh) CI	Rs. 10,74,800/-
	2013-2016	“Ecotyping, chemotyping and genotyping of some important drug yielding plants of Eastern India for authentic identification, selection and conservation of elites”	DBT  (Dr. B. Ghosh)	24,87,000/-
	2014-2017	Evaluation of Cytogenetics diversity in some genera of Cucurbitaceae and Characterization of Sex linked genes in <i>Coccinia</i> through SCAR marker approach	DBT  (Dr. B. Ghosh)	43,18,200/-

2016-2019	<p>Sanction No.840(sac) /ST/P/S&amp;T/1G-11/2015 dated 11.01.2016</p> <p>Evaluation of different edible and medicinal fruit bodies of fungi (mushrooms) for antioxidant <i>in vitro</i> and anticancer agents in Human cervical and pancreatic cancer cell lines among the poor schedule caste women of West Bengal</p>	<p>DST (Dr. S.K. Ghosh)</p>	<p>Rs 98.8 lacs</p>
2015-2018	<p>Sanc : 504/ST/P/S&amp;T/9G/3/13/2015 dated 01.10 2015 “Mass eradication of mosquitoes using fungi and fungal extracts as bio – control agents”. Fund;</p>	<p>DST (WB) Dr. D. Datta- PI Dr. S.K. Ghosh-CI</p>	<p>Rs. 19,78,000/</p>
2016-2019	<p>; Sanc – 820(sac) /ST/P/S&amp;T/1G-2/2014 dated 05.01.2016</p> <p>Agricultural application of fungi and fungal product as bio – control agents against aphid insect</p>	<p>DST (WB) Dr. P.K. Medda-PI Dr. S.K. Ghosh-CI</p>	<p>Rs. 25,80,603/-</p>

<b>Interdisciplinary projects</b>	25.01.2012- 24.01.14	An attempt to simulate evolutionary design in biological system using physical & mathematical models.	UGC  (Minor project)  Dr. R. Kundu	1,23,000/-
	8/2/2012 to 8/7/2013	Study of Cardiovascular Fluid Mechanics and its Mathematical Model to Combat the Cardiac Arrest	UGC  (Minor project)  Swami Kamalasthananda	1,23,000/-