

ONGOING PROJECT OF THE DEPARTMENTS, COTTON UNIVERSITY'2020

Sl. No.	Name of the Department	Name of the ongoing Project	Sanctioning authority/ Agency	Sanction Amount	Date of Starting of the Project	Name of PI and Co-PI
1	Anthropology	To Study the microbial impact on the archaeological monuments of Assam	Cotton University	50,000	1 st September' 2019	Dr. Jonali Devi (PI) Dr. S. R. Patgiri, Dr. Manjil Hazrika (Co-PI)
2	Bengali	The History of Bengali Literature in Northeast India: Sixteenth century to Pre-Independent Era	Cotton University	50,000	1 st September' 2019	Dr. Prasun Barman
3	Botany	1. Nanozinc mediated regulation of Arsenic stress in rice (<i>Oryza sativa</i> L.).	DST	34,79,780	27/03/2018	Dr. Thounaojam Thorny Chanu(PI) Dr. Hrishikesh Upadhyaya (Mentor)
		2. "Structure-based pharmacophore modelling and biological evaluation of novel CCR9 inhibitor(s) for the treatment of prostate cancer"	Cotton University	1,00,000	01/09/2019	Dr Jimmy Y Yumnam
		3. Generation of DNA Barcode for molecular identification of bamboo species of North East India"	Cotton University	1,00,000	29/08/2019	Dr. Himu Roy (Co PI)
4	Chemistry	1. Theoretical studies on metal free activation of small unreactive molecules	DST-SERB, Govt of India	28,85,000	January, 2017	DrAnkur K Guha
		2. Isolation and characterization of potent anti-fertility compounds obtained from a few folklore medicinal plants of North east India and study of their mode of action	DBT, Govt of India	80,36,000	Feb. 2017	DrMausumiGanguly
		3. Electrochemical and	DST-SERB, Govt of	41,05,200	27/07/2017	Dr Abdul Wahab

		photophysical studies of singlet fission materials based on indigo derivatives	India			
		4. Molecular dynamics simulation technique to understand structural and functional changes during processing of food proteins.	DST, Govt of India.	35,00,000	02/04/2018	Dr Abdul Wahab
		5. Milk quality assessment, with special emphasis on melamine in Guwahati and neighboring areas and development of a colorimetric detection system for melamine	DST, Govt of India	30,00,000	10/01/2019	Dr Akashi Baruah
		6. The missing link in gold nanocluster research: systematic study on the role of ligands in gold nanocluster luminescence.	DST-SERB, Govt of India	36,12,400	05/02/2020	DrApurba K Barman
5	Dept. of Computer Science & IT	Improved Security for IoT in 4G Mobile Network	Cotton University	1,00,000	1 st September 2019	Dr. Hiten Choudhury
6	Economics	1. Use of mobile phones for learning: Empirical evidence from Assam	Cotton University	50,000	01/08/2019	Dr. Daisy Das (PI) Co-PI: NA
		2. Crop loss and farmers vulnerability to poverty in Assam: The role of institutions and safety nets	ICSSR	11,00,000	10/01/2020	Dr. Daisy Das (PI) Co-PI: NA

7	Environmental Biology and Wildlife Science	1. An exploratory assessment to identify the ecosystem services and alternate livelihood options and to design advocacy and campaigning programme for the conservation of Deepor Beel –an urban Ramsar site, Guwahati, Assam	Wipro Foundation, Bengaluru	7,35,000	19th November 2018	Dr Narayan Sharma
		2. Investigation of heavy metals in soil-rice systems in northeast India: food safety implications and evaluation of best management practices	DST-SERB	30,27,950	10th March 2017	Dr Mayuri Chabukdhara (PI)
		3. Estimation of greenhouse gas fluxes (methane, carbon dioxide and nitrous oxide) from Deepor Beel, a Ramsar wetland site of Assam, and identification of associated environmental factors	DST SERB	52,17,564 /	7th February 2020	Dr Leena Borah (PI)
		4. Investigation of the impacts of climate change on food and livelihood security of Assamese farmers and their adaptive responses – a study from North East India	ICSSR	4,00,000	20th January (2020)	Dr Leena Borah (PI)
8	Geography	GEO-ENVIRONMENTAL PROBLEMS AND ITS IMPACT ON SUSTAINABLE DEVELOPMENT OF LOWER KULSIRIVER BASIN, ASSAM	SERB, DST	28,73,800	08/05/2018	Dr. Gitika Thakuriah

9	Geology	1. Role of multiphase flows in controlling the dynamics of melts and other geological fluids: a theoretical and experimental investigation (N0 ECR/2016/002045)	SERB-DST	50,67,200	24/03/2017 (duration 3+1 years)	Dr. Amiya Baruah
		2. Depositional History of the Siwalik Group of Rocks Exposed in Different Localities of East Siang District, Arunachal Pradesh, India	Cotton University	1,00,000	1st September, 2019	Dr. Ananya Chutia
10	History	Transition in the Tribal Economy in the colonial Brahmaputra Valley and its ramifications	Cotton University	50,000	1 st September'2019	Dr. Rishi Karna Das (PI) Dr. Bornali Sharma, Dept. of History(Co PI)
11	Molecular Biology and Biotechnology	1. Delineation of the chromosomal and molecular endocrinological alterations leading to recurrent pregnancy loss in north-east India	DBT, Govt. of India	75,00,000	16.12.2016	PI-Dr. Purabi Deka Bose
		2. Evaluate the role of oxidative stress in HEV related pregnancy complications and outcome: A hospital based study from northeast India.	ICMR Govt of India	29,32,000	20.06.2019	Co PI-Dr. Purabi Deka Bose
		3. Generation of DNA barcode for molecular identification of bamboo species of North East India	Cotton University	1,00,000	1st sept, 2019	PI-Dr Raju Bharalee Co-PI: Dr Himu Roy and Prof. Probodh Borah
12	Physics	1. DST-SERB Distinguished Fellow Project	DST-SERB	27,20,000	2017	Prof. (Retd.) B. N. Goswami
		2. INSA Senior Scientist Project	INSA	4,60,000	2017	Prof. (Retd.) B. N. Goswami
		3. Variable Stars As Astrophysical Laboratories	CSIR	8,87,667	2018	Dr. Sukanta Dev
		4. Instrument Development Service Centre (IDSC)	ASTEC	15,00,000	2019	Dr. Abhijit Barthakur

		5. Centre for Radio Astronomy(Observation of Solar Microwave Radio Emission in S-Band and its correlation with Solar Energetic Phenomena)	ASTEC	11,00,000	2019	Dr. Nripanka Saikia
		6. Analysis of Persistent Rainfall events and Local Severe Convective Storm Events ((LSCS) in NEIN	CSIR	20,19,000	2014	Dr. Rahul Mahanta Physics department
13	Psychology	"Motivational inputs, stress management and mental well being of the field staff of Kaziranga National Park"	Kaziranga National Park Staff Welfare Society	3,00,000	March-April, 2019 <i>*(Report will be submitted by July 2020)</i>	Dr. Dimpy Mahanta
14	Sociology	Forest and Forest Dwellers in Assam: Searching for a Sustainable Relationship	ICSSR [IMPRESS-Impactful Policy Research in Social Science]	8,00,000	03/12/2019	1. Project Director: Dr. Indrani Sarma, 2. Co-Project Director: Prof. Chandan Kumar Sharma
15	Statistics	1. A study on affect of living arrangement on health of elderly people in BTAD, Assam	Cotton University	1,00,000	1 st September'2019	Dr. Bandana Sharma
		2. Mental Health Status of school going adolescents in Kamrup districts.	SCERT, Govt. of Assam	9,88,000	March, 2019	1. Dr. Nirada Devi (PI) 2. Dr. Dulumoni Das (Co-Inv.) 3. Dr. Sangeeta Barthakur (Co-Inv.) 4. Dr. Bandana Sharma (Co-Inv.) 5. Dr. Ruma Talukdar (Co-Inv.)

16	Zoology	1. Biodiversity, Nutritive Value and Conservation Strategies of Aquatic Insects in the Wetland Ecosystem of Manipur	DBT (NER-BPMC)	65,0,7360	2019 - 2022	Dr. Karobi Saikia (PI) Dr. Rezina Ahmed(Co-PI)
		2. Structure – based pharmacophore modelling and biological evaluation of novel CCR9 inhibitors for the treatment of prostate cancer	Cotton University	1,00,000	2019 - 2020	Dr. Namram Sushindrajit Singh (Co –PI) Dr. Akalesh Kumar Verma (Co-PI)
		3. Study of toxicological potential of certain plant extracts for the control of <i>Megacopta cribraria</i> (F.) (Hemiptera: Heteroptera: Platspidae)	Cotton University	1,00,000	2019 - 2020	Dr. Anjana Singha Naorem (PI)
		4. Study of anticancer potential of North East Indian propolis and isolation of possible active principle(s).	SERB-DST	20,35,000	2016-2020	Dr. Akalesh Kumar Verma (PI)
		5. Study of traditionally used dyes yielding plants for staining cells and cellular components and identification thereof: An eco-friendly and non-toxic alternative method.	ASTEC, Assam	1,40,000	2019-2021	Dr. Akalesh Kumar Verma (PI)
TOTAL				7,78,78,921		

(RUPEES SEVEN CRORES, SEVENTY EIGHT LAKHS, SEVENTY EIGHT THOUSAND NINE HUNDRED TWENTY ONE ONLY).

****AVERAGE PROJECT AMOUNT PER DEPARTMENT= RS. 48, 67,432.56**



04/07/2020
(Prof G. Wary)
Dean, R&D, CU