



Ongoing Projects and Consultancy

SI No	Name of Faculty	Title of the Project	Name of the Funding agency
1.	Sumita Sindhi	Culture and Environmental Sustainability: A Comparative Analysis of the Role of Culture in Sustainability in Meghalaya and Odisha	ICSSR
2.	S. Maji S. Moulick and S. Jana	Photo-degradation of Dyes using Hydrothermally Synthesized Titanate Nanotube (TNT) and Surface Modified Titanate Nanotube (SMTNT)	SERB
3.	S. K. S. Parashar S Sahu	Development of Ferrite Material for the Application of High Power CW Circulator at 3.7GHz / 5.00GHz	BRNS
4.	S. K. Das	Realization of cost effective second harmonic generation frequency resolved optical gating (SHG-FROG) using ZnO nanorods for diagnostics of ultrafast laser pulses in broad wavelength range of 400-2200 nm	DST(SERB)
5.	T.K.Bastia	Spatial Distribution of Uranium And Water Quality Parameters In Three Interior Districts I.E. Kalahandi Gajapati And Rayagada of Odisha	BRNS
6.	B. P. Sahoo	Development of rubber blend nano-composites based on ethylene acrylie elastomers and thermoset polyurethane through electron beam radiation curing for microwave and EMI shielding applications Effect of carbon nanofillers	BRNS-DAE
7.	B. P. Sahoo	Development of Graphene based Poly (vinylidene fluoride) and Polyaniline Nanocomposite for dielectric application.	DST-SERB
8.	B. B. Kar	Fabrication & Commercialization of a highly porous pervious concrete material from fly ash	NALCO
9.	P. Rath	Synthesis and characterization of hybrid geo-polymer matrices for intermediate level waste immobilization	UGC-DAE CSR
10.	R. Sahoo	Spatial Distribution of Uranium and associated Water Quality Parameters in Groundwater/Drinking Water of Four Districts of Odisha	BRNS-DAE
11.	P. Pattojoshi	Intia-12016-02	CIMO
12.	M. Sahoo	Positive operators on reproducing kernel Hilbert spaces and their Berezin transform.	NBHM
13.	T. Panigrahi	Contributions to the study of Univalent and Multivalent Functions	CSIR



14.	Satyabrat Si	Organic-Inorganic Hybrid Nano-composite: Electrolytes for Electrochemical Devices	DST
15.	Prof H S Rauth	Project Supervisory for 1000 KW small Hydro Project at Himachal Pradesh	Next World India Pvt Ltd New Delhi
16.	U P Singh	Process development for fabrication of CZTS based solar cell on flexible (polymide) substrate	MNRE
17.	U P Singh S K Das	studies on growth of laser induced hyperdoped black Si (LibSi) and their photo excited carrier dynamics for cost effective and efficient photovoltaic application	SERB
18.	U.P.Singh	Development of CZTS based solar cells by co-evaporation method	DST_CERI
19.	S Sahu S K S Parashar	Design and Development of Metamaterial Lens for perfect imaging and increasing the directivity of the antenna system for Fusion plasma diagnostics	BRFST (Board of Research in Fusion Science and Technology)
20.	Sudesna Roy	Combinatorial synthesis of mixed oxides of lutetium oxide doped with europium thin films for optoelectronics	SERB
21.	Jnana Ranjan Senapati	Fluid flow and heat transfer analysis of various types of IRS device: A comparative study	SERB
22.	Akshaya Kumar Rout	Entrepreneurship Awareness Program & Technology Based Entrepreneurship Development Program	DST-NIMAT
23.	Purna Chandra Mishra	Thermo-fluidic study on Nanofluids as a coolant in Fusion Reactors	DAE-BRNS
24.	Purna Chandra Mishra	Development of an experimental facility for Production Performance and Emission Analysis of an Alternative Fuel from Jatropha Curcas Oil used as Jet Fuel	ARDB
25.	Trupti Ranjan Mahapatra	Theoretical and experimental investigation of the non linear vibration and post buckling behaviour of SMA embedded laminated composite shell panel under hygro-thermo-elastic load.	SERB
26.	Bauri Raula	Skill upgradation for Rural Artisans	Ministry of Textile Govt of India
27.	M. Roy	Remote Health: A Framework for Health Care Services using Mobile and Sensor Cloud Technologies	ITRA Media Lab Asia
28.	Aleena Swetapadma	Intelligent Fault Distance Estimation Scheme for High Voltage AC and High Voltage DC Transmission Lines: An Comparative Study of Various Artificial Intelligent Techniques to Explore a Suitable Scheme	DST-SERB
29.	A. Behura	Counterfeit Detection	Affine analytics pvt. Ltd.
30.	A. Behura	Automation of wind turbine using IoT	Pidilite Industries



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31.	Suraj Tripathy	Surface Plasmon assisted sonophotocatalytic deactivation of biologically active compounds	DST New Delhi
32.	C.N Kundu	Development of a potent anti-cervical cancer drug using bioactive small molecule quinarine Nano particle.	ICMR Govt. of India New Delhi
33.	Luna Goswami	Synthesis and characterization of novel hydrogel suitable for bone tissue engineering	ICMR New Delhi
34.	Priti Sunder Mohanty	Soft Colloids with tunable interactions : Ionic microgels as models for soft dipolar fluids	SERB Govt. of India
35.	Dindyal Mondal	Self-assembled Peptide nanostructures for siRNA Delivery	DBT New Delhi
36.	Satyabrata Sai	NIR absorbing gold nano structures for biological Applications	SERB New Delhi
37.	B.N.Banerjee and - Madhabanda Kar	Development and Characterization of Micro Tumor spheroids for evaluating radio pharmaceuticals	DAE-BRNS Govt of India
38.	RAHUL MODAK	Deciphering the Effects of Radiopharmaceuticals on Eplgenetic Profile of Colon Cancer	BRNS Govt of India
39.	Pankaj Parhi	Study on Sepration of scandium by hollowfiber liquid membranc process	SERB New Delhi
40.	Dindyal Mondal	Synthesis of peptide stabilized quantum dots for imaging applications	BRNS Govt of India
41.	Avinash Sonawane	Evaluation of antileukemic and immunogenicity properties of engineered	SERB Govt.of India New Delhi
42.	Mrutyunjay Suar Vishakha Raina	Investigating Bacteria of Chilika Lake as Biomedical Resource"	UBS Promedica Foundation Zurich Switzerland
43.	Mrytyunjay Suar	Role of Hha-YbaJ Toxin -antitoxin system and programmed cell death in Salmonella entericaserovar Typhimurium	DBT Govt.of India
44.	K.Sonny Reddy	Identification and functional characterization of novel P. falciparum exported proteins	DST (Inspire
45.	Suraj Tripathy	Development of Solar-Photocatalytic process for Concurrent Decontamination of Antibiotics and Bacteria from Hospital Effluent	DST New Delhi
46.	K.Sonny Reddy	Role of PEXEL positive P. falciparum Hsp40 proteins in parasite protein trafficking and host cell remodelling inside the host erythrocyte.	SERB
47.	Selva Kumar	Effect of lipoic acid on ionizing radiation - induced TGFbeta signalling in brest cancer cells	DAE
48.	Naresh Bal	Functional genomicsof skeletal muscle: role in diabetes and metabolic disorders	DBT GoI
49.	Bhwana Gupta	Identifying Mitochandrial Dysfunction as the regulatory mechanism in progression of Rheumatoid arthrities and the associated therapeutic oppertunities in the Indian case-	SERB Govt of India



		control cohort	
50.	Niladri Ganguly	Effect of micro RNA-214 in modulating chemo resistance/sensitivity in cervical cancer	SERB Govt.of India
51.	Nares C. Bal	Miscommunication between skeletal muscle and adipose tissues as an initiating factor of diabetic condition	SERB Govt. of India
52.	Lopamudra Roy	Production of chitin and chitosan oligomers by Novel Streptomyces strains isolated from Chilika lake and their use as bio protective agent developing an economically viable process	DBT-Bicore
53.	Santosh Kar	A novel strategy for developing Combination Therapy for Malaria	DBT Govt of India New Delhi
54.	C.N.Kundu	Study the role of Nectin-4 (a pvr1 4 encoded gene) as a biomarker for angiogenesis in metastatic head and neck squamous cell carcinoma(HNSCC)	SERB Govt. of India
55.	Vishakha Raina	Bioprospecting microbial diversity in benthic and littoral regions of Loktak Lake for effective mangement and sustainable development	IBSD Govt.of India
56.	Shampa M. Ghosh	Experimental evolution of thermal plasticity of body and organ size in Drosophila melanogaster	Women Scientist Scheme A DST
57.	Rahul Modak Subrat Kumar	Deciphering the role of lysine N6 acetyltransferases of Salmonella enterica in regulation of gene expression during infection	DBT
58.	Mrutyunjay Suar	Erasmus+ Project Silice- Social Innovation for local Indian and Iserili Communities and Graduate Entrepreneurs	Interdisciplinary Centre Herzliya (IDC) Isreal
59.	Nirmal Kumar Mohakud	Impact Assessment Study of Rotavirus Vaccine Linked to the National Rotavirus Surveillance Network in Ind	CMC VELLORE with Bill & MALINDA GATES Foundation
60.	Nirmal Kumar Mohakud	Spectrum of primary immunodeficiency diseases in children: A hospital based study.	KSBT
61.	Sonali Kar	Mental Health assessment of woman of reproductive age group in Rural Odisha	DHR, New Delhi
62.	Sonali Kar	An open label, single-treatment, single period, single dose, clinical phase I study to assess the safety and tolerability of tetanus vaccine of M/s Bio Vaccines (India) Private Limited in healthy, adults subjects	Biovaccines, India & DCGI
63.	Sonali Kar	PDC course for district level MOs	NIHFW, New Delhi
64.	Schools of Engineering & School of Rural Management	DDU GKY Project	Ministry of Rural Dev. Govt of India & Panchayati Raj Dept Govt of Odisha



65.	Prasanta Parida	Special Skill Development project for KISS and Tribal youths in Odisha	NSDC, Ministry of Skill Development and enterprenuership, Govt of India
66.	Prof H S Rauth Prof Prasanjit Behera Rasmita Muduli Shivani Swetanana	Need Assessment & Impact Assessment of IREDA's CSR Initiatives	IREDA New Delhi
67.	Sasmita Nayak	Elemental Mapping and its use in regulation of myco bacterial SufB splicing by metals and its possible use as metal sensor	UGC-DAE CSR Kolkota Centre
68.	Sasmita Nayak	To test the anti bacterial activities of graphene coated metal surfaces on different bacteria (V.cholera, S.pyogenes, S.aureus, P.aeruginosa, E.coli,S.enteritidis etc.)	Tata Steel Limited, Jamshedpur
69.	Priti Sunder Mohanty	Point-of-care Diagnostic kit for Diarrheal Bacterial Pathogens	BIG Grant, BIRAC, DBT, Govt. of India
70.	Suvakanta Mohanty	Drivers of Food Choice in Eastern India	UK Aid, Bill & Melinda Gates Foundation

TOTAL OUTLAY : Rs. 1,464,796,890.00