

**GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF SCIENCE AND TECHNOLOGY
LOK SABHA
STARRED QUESTION No. 260
ANSWERED ON 05/08/2026**

RESEARCH PROJECTS AND SCIENTIFIC INSTITUTIONS IN KERALA

***260. SHRI SHAFI PARAMBIL:**

Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

- (a) the details of research projects, Centres of Excellence and scientific institutions in Kerala funded by the Government during the last five years and details of the funds sanctioned and released, year-wise;**
- (b) whether the Government has sanctioned any projects relating to marine science, coastal erosion, climate resilience and the blue economy in Kerala and if so, the details thereof;**
- (c) the details of the number of research fellowships, innovation grants and technology development projects supported by the Government in Kerala during the said period;**
- (d) whether the Government proposes to establish any new national scientific research or innovation centres in Kerala and if so, the details thereof; and**
- (e) the measures taken to strengthen scientific research, innovation and technology development in Kerala?**

ANSWER

**MINISTER OF STATE (INDEPENDENT CHARGE) FOR THE MINISTRY OF
SCIENCE AND TECHNOLOGY
(DR. JITENDRA SINGH)**

(a) to (e): A statement is laid on the Table of the House.

Statement as referred in reply to parts (a) to (e) of Lok Sabha Starred Question No. 260 for reply on 05.08.2026 on “Research Projects and Scientific Institutions in Kerala”

(a) The details of Research Projects, Centres of Excellence and Scientific Institutions in Kerala funded by the Government during the last five years and details of the funds sanctioned and released, year-wise is given in Annexure-I and Annexure-II. The Ministry of Science and Technology alone has released an amount of Rs. 2597.37 Crore to its 3 Scientific Institutions namely Sri Chitra Tirunal Institute of Medical Science and Technology (SCTIMST), Thiruvananthapuram (Rs.1705.05 Crore), National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram (Rs. 715.11 Crore) and Rajiv Gandhi Centre for Biotechnology (RGCB), Thiruvananthapuram (Rs.177.21 Crore) during the last five years.

(b) The Government has sanctioned numerous projects related to marine science, coastal erosion, climate resilience and the blue economy in Kerala. The details are given in Annexure-III.

(c) The details of the number of research fellowships, innovation grants and technology development projects supported by the Government in Kerala during the said period is given below:-

Table 1. Details of fellowships supported by the Government in Kerala during last 5 years

Sl. No	Name of the Fellowship	Research Fellowships Supported				
		2021-22	2022-23	2023-24	2024-25	2025-26
1.	INSPIRE Fellowship	110	116	134	120	171
2.	INSPIRE Faculty Fellowship	24	17	24	10	25
3.	CSIR Junior Research Fellowship	41	43	39	29	42
4	UGC Junior Research Fellowship	45	38	50	53	65
4.	National Post-Doctoral Fellowship (N-PDF)	6	6	2	4	8
5.	Ramanujan Fellowship	4	3	5	1	5
6.	Teachers Associateship for Research Excellence (TARE)	10	10	4	1	--
7.	JC Bose National Fellowship	--	--	1	--	--
8.	M K Bhan – Young Researcher Fellowship Programme	3	--	--	--	--

Sl. No	Name of the Fellowship	Research Fellowships Supported				
		2021-22	2022-23	2023-24	2024-25	2025-26
9.	Innovative Young Biotechnologist Award	1	--	--	--	--
10.	Ramalingaswami Re-entry Research Programme	14	21	16	11	6
11.	Biotechnology Career Advancement and Re-orientation (BioCARE)	1	--	3	3	8
12.	Research Associateship Program	1	1	5	4	3
13.	DBT Junior Research Fellowship	19	13	31	47	54
14.	ICAR Junior Research Fellowship	12	19	21	21	21

Table 2. Number of innovation grants supported by the Government in Kerala during last 5 years

Sl. No	Name of Department	Number of Innovation Grants				
		2021-22	2022-23	2023-24	2024-25	2025-26
1.	Council of Scientific and Industrial Research (CSIR)	4	3	5	6	--
2.	Department of Science & Technology	12	6	10	8	8
3.	Department of Biotechnology	11	11	4	4	3
4.	Indian Council for Agricultural Research	02	14	13	12	12

Table 3. Details of Technology Development Projects supported by the Government in Kerala during last 5 years

Sl. No	Name of Department	Number of Innovation Grants				
		2021-22	2022-23	2023-24	2024-25	2025-26
1.	Council of Scientific and Industrial Research (CSIR)	2	10	6	10	2
2.	Department of Science & Technology	12	6	9	6	10
3.	Department of Biotechnology	8	7	4	4	5
4.	Indian Council for Agricultural Research	5	6	8	6	9

(d) The Government has already established several National Scientific Research Institutions in Kerala across different scientific and research domains with varied mandates. The details of such institutions are given in Annexure – IV.

(e) Apart from establishing several Scientific Institutions, the Government has taken several measures to strengthen scientific research, innovation and technology development in Kerala. Significant initiatives are given below:

- **The Department of Science and Technology (DST) is strengthening Kerala's scientific ecosystem through targeted grants, infrastructure funding, and intellectual property support. Key measures include funding the Kerala State Council for Science, Technology and Environment (KSCSTE) through the State S&T Programme, establishing a Patent Information Centre to drive IPR awareness and patent filings, and backing student innovation projects. The INSPIRE Scheme supports research and innovation by funding doctoral studies, offering postdoctoral tracks, and building local STEM talent pools. Technology Translation and Innovation Division is funding proof-of-concept development, nurturing local start-ups through translational programs, and bridging academia-industry gaps. It converts early-stage research into market-ready prototypes while supporting regional S&T initiatives. Under FIST Scheme, during the last five years, 9 STEM departments at various academic institutions/universities and 12 PG Colleges, were supported in Kerala for augmenting basic infrastructural facilities for conducting quality research in basic and applied sciences. 2 Sophisticated Analytical Instrument Facilities (SAIF) were established in the State of Kerala (Mahatma Gandhi University, Kottayam and Cochin University of Science and Technology, Kochi) to provide the facilities of sophisticated analytical instruments to the researchers to pursue advanced R&D activities. Under the Promotion of University Research and Scientific Excellence (PURSE), University of Calicut, Thrissur has been supported to strengthen the Research and Development (R&D) infrastructure to conduct mission-oriented research in various areas of Science and Technology (S&T) aligned with national priorities. The Technical Research Centre (TRC) at Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST) is conducting mission-mode R&D in critical medical devices, supporting regulatory compliance, and fostering industry partnerships.**
- **One of the constituent laboratories of the Council of Scientific and Industrial Research (CSIR), namely National Institute for Interdisciplinary Science & Technology (NIIST), Thiruvananthapuram has established research programmes to promote fundamental science and foster high-**

impact, innovative research and to support promising research ideas with strong scientific and translational potential. These initiatives are intended to accelerate the progression of basic research into technologies and solutions that address national priorities and societal needs.

- **Department of Biotechnology (DBT) is supporting R&D projects through its Central sector BioRIDE scheme in the state of Kerala. To boost research ecosystem, DBT has sanctioned three projects under the Research Resource Service Facility and Platform (RRSFP) focusing on building institutional capacity by upgrading postgraduate teaching and research laboratories and enhancing access to high end scientific equipment. To strengthen innovation and technology development, BIRAC (Biotechnology Industry Research Assistance Council), PSU of DBT has established two incubation centres in Kerala which provide startups and innovators with access to advanced lab infrastructure and industry linkages. BIRAC has enabled industry academia collaboration for technology and product development through PACE (Promoting Academic Research Conversion to Enterprise), BIPP (Biotechnology Industry Partnership Programme) and SBIRI (Small Business Innovation Research Initiative) programs in Kerala.**
- **Several broad-based programs like Advanced Research Grant (ARG), Prime Minister Early Career Research Grant (PMECRG), Inclusivity Research Grant (IRG) launched by Anusandhan National Research Foundation (ANRF) provide financial assistance to researchers and scientists in academic institutions in order to create supportive environment for doing research in frontier areas of science and engineering across the country, including Kerala.**
- **The Indian Council of Agricultural Research (ICAR) has undertaken several initiatives to strengthen scientific research, innovation and technology development in Kerala through its research institutes, All India Coordinated Research Projects (AICRPs), National Innovations on Climate Resilient Agriculture (NICRA), Krishi Vigyan Kendras (KVKs) and other research and extension programmes.**

RESEARCH PROJECTS IN KERALA FUNDED BY THE GOVERNMENT DURING THE LAST FIVE YEARS**MINISTRY OF EARTH SCIENCES**

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
1	“Improving the Prediction of Thunderstorms using Dual-Resolution Hybrid Ensemble – Variational Data Assimilation System using WRF model”.	Indian Institute of Space Science and Technology, Valiamala, Thiruvananthapuram - 695 457	2021-2022	4800480	4320080
TOTAL				4800480	4320080
2	Metagenomics Exploration of the Deep Ocean Viruses: Taxonomic Assignment and Bioprospecting	Cochin University of Science and Technology, Cochin, Kerala	2024-2025	4097236	3898556
3	Green Hydrogen Production and Storage from Sea Water using Liquid Metal Alloy paste for Deep Ocean Research	Amrita Vidya Vishwapeetham (AVV) (Kollam)	2024-2025	3958984	3652024
4	Analysis of Natural products from Deep Sea: High value molecules and its Application (ANDHA)	Cochin University of Science and Technology, Cochin, Kerala	2024-2025	2209600	634330
5	Characterisation of microbial communities of the deep-sea sediment from Chagos Laccadive Ridge area, Indian Ocean and bioprospecting them for novel biocatalysts	Cochin University of Science and Technology, Cochin, Kerala	2024-2025	2219460	200000
TOTAL				12485280	8384910

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
6	Exploring the Influence of tropical waves on extreme rainfall during the Indian monsoon.	Cochin University of Science and Technology, Cochin, Kerala	2025-2026	4426800	843800
7	Metagenomics Exploration of the Deep Ocean Viruses: Taxonomic Assignment and Bioprospecting	Cochin University of Science and Technology, Cochin, Kerala	2025-2026	1324720	1103933
8	Green Hydrogen Production and Storage from Sea Water using Liquid Metal Alloy paste for Deep Ocean Research	Amrita Vidya Vishwapeetham (AVV) (Kollam)	2025-2026	560920	960520
9	Analysis of Natural products from Deep Sea: High value molecules and its Application (ANDHA)	Cochin University of Science and Technology, Cochin, Kerala	2025-2026	1508000	1884437
10	Characterisation of microbial communities of the deep-sea sediment from Chagos Laccadive Ridge area, Indian Ocean and bioprospecting them for novel biocatalysts	Cochin University of Science and Technology, Cochin, Kerala	2025-2026	1677840	2176960
11	Exploration of Marine Microbial Resources for the discovery of potential drug Candidates with Biomedical Applications	Cochin University of Science and Technology, Cochin, Kerala	2025-2026	12224800	8122600

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
12	Micro and Nanoplastics in the deep sea environment (sediment, water and biota) – implications of trophic transfer of plastics as well as the identification chemical cocktail with these plastics	KUFOS (Kochi)	2025-2026	4445600	2887000
13	Virtual Reality (VR) Enabled Deep-Sea Exploration and Resource Identification.	Amrita Vidya Vishwapeetham (AVV) (Kollam)	2025-2026	2872450	1244800
14	Understanding the metabolic architecture of microbial communities using deep ocean metagenomes	Cochin University of Science and Technology, Cochin, Kerala	2025-2026	12554297	4673698
TOTAL				41595427	23897748
ANUSANDHAN NATIONAL RESEARCH FOUNDATION (ERSTWHILE SCIENCE AND ENGINEERING RESEARCH BOARD)					
Sl. No.	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (in Rs)	Funds Released (In Rs)
1	A study on "Generalized spectra of Tensors or Hypermatrices"	University Of Kerala	2021-2022	660000	620000
2	Operators on Hilbert Spaces of functions, completion problem in some classes of operators related to isometries, and Cauchy dual subnormality problem	University Of Calicut	2021-2022	660000	620000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
3	TOWARDS SOLVING A TRAJECTORY PLANNING PROBLEM FOR UNMANNED AERIAL VEHICLES (UAVs) TO A COMPUTATIONAL EFFICIENT ALGORITHM	National Institute Of Technology Calicut	2021-2022	660000	420000
4	Multiscale Modeling of Ferroelectrics for Negative Capacitance Applications	Indian Institute Of Technology Palakkad	2021-2022	660000	440000
5	On exact results in generalized Sachdev-Ye-Kitaev models	Indian Institute Of Technology Palakkad	2021-2022	660000	620000
6	Structure and dynamics of ultra-relativistic jets	Indian Institute Of Space Science & Technology	2021-2022	660000	400000
7	Studies on the Effect of Gut Derived Microbial Fatty Acids on Lysosome Biogenesis and Extracellular Vesicle Production in Mouse Models of Alzheimer's Disease	University Of Kerala	2021-2022	2949452	2763460
8	ANALYSIS OF IMMUNE-ENDOCRINE INTERACTION IN SPLENOCYTES OF STRESSED MICE - ROLE OF ADAPTIVE AND INNATE COMPONENTS	Sree Narayana College, Nattika	2021-2022	2887940	2541300
9	Design and development of techniques and tools to build a simulation framework for performance evaluation of designs of processors enhanced for virtualization	National Institute Of Technology Calicut	2021-2022	6012600	3400000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
10	Turbulent induced aberrated wavefront correction without adaptive optics	Indian Institute Of Space Science & Technology	2021-2022	5262400	3967500
11	Agglomeration Abatement in Fluidised Bed Gasification of Ligno-cellulosic Biomasses	National Institute Of Technology Calicut	2021-2022	3201240	3030300
12	Sub-decadal to decadal scale variability of Monsoon in southern India based on multi-proxy investigations on Lake sediments	Central University Of Kerala	2021-2022	2996120	2800000
13	Stabilization of Compounds with Zero-valent Main-group Elements	National Institute Of Technology Calicut	2021-2022	3245000	2455000
14	Chemistry of Reactive Sulfur and Selenium Species: Elucidating the Routes in Bio(in)organic Signalling and Toxicology	Indian Institute Of Science Education And Research, Thiruvananthapuram	2021-2022	3558500	3417800
15	Acoustic Emissions from a Premixed Flame propagating in a Tubular Combustor	National Institute Of Technology Calicut	2021-2022	2332000	2226000
16	Effect of Variation in Biogas Fuel Composition on the Flame Stability and Pollutant Emissions under Practically Relevant Flow Conditions	Indian Institute Of Space Science & Technology	2021-2022	4822400	4104133

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
17	Investigations on the unique transformations of unsaturated sulfones for the rapid construction of antitumor alkaloids and analogues	University Of Calicut	2021-2022	5023832	4681200
18	Control and Finite Element Analysis of Cahn-Hilliard-Navier-Stokes system	Indian Institute Of Science Education And Research, Thiruvananthapuram	2021-2022	1830400	723466
19	Asymptotic preserving IMEX-DG schemes on adaptive grids for multiscale compressible flows	Indian Institute Of Science Education And Research, Thiruvananthapuram	2021-2022	2642200	1087399
20	Development of novel numerical techniques for miscible displacement problems in porous media	Indian Institute Of Space Science & Technology	2021-2022	1940400	786800
21	Developing Non-Stationary Frequency Relationships of Hydro-climatic Extremes of Kerala Meteorological Subdivision under Changing Climate Scenario	Tkm College Of Engineering	2021-2022	2858940	2400000
22	Laser Speckle Interferometry based analysis of Embankments on Soft Soil Reinforced with Encapsulated Prestressed Geosynthetic	Lbs Institute Of Technology For Women	2021-2022	4977742	4766726

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
23	Lithium conducting thin films for solid state batteries	Kerala University Of Digital Sciences, Innovation And Technology (Digital University Kerala)	2021-2022	2996400	2479000
24	Exploring 2D Atomic Crystals for Resistive Switching Based Emerging Artificial Neuromorphic Devices	Indian Institute Of Science Education And Research, Thiruvananthapuram	2021-2022	4378264	3063000
25	Neural-network quantum state (NQS) based variational wave function for strongly correlated electron systems.	Indian Institute Of Science Education And Research, Thiruvananthapuram	2021-2022	2757832	1593000
26	Design and fabrication of electrocatalytic microcells using elemental 2-dimensional materials	Indian Institute Of Science Education And Research, Thiruvananthapuram	2021-2022	5405400	4302000
27	Thermal Expansion Measurements in a spin $\frac{1}{2}$ Heisenberg antiferromagnet $C_{12}H_{14}CuN_4O_5$	Indian Institute Of Science Education And Research, Thiruvananthapuram	2021-2022	8096000	7405500
28	DESIGN AND DEVELOPMENT OF HIGHLY SENSITIVE GLUCOSE SENSOR BASED ON 2D TRANSITION METAL DICHALCOGENIDES (TMDCS): THEORETICAL MODELLING AND EXPERIMENTAL VERIFICATION	Mahatma Gandhi University	2021-2022	2489301	1800500

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
29	Investigations on Probabilistic Flood Forecasting Techniques using Medium-Range Numerical Weather Prediction (NWP) Ensembles for the Chaliyar River Basin, Kerala	National Institute Of Technology Calicut	2021-2022	2295240	2150000
30	Transparent solar cells: A perspective for bifacial solar cells	Indian Institute Of Science Education And Research, Thiruvananthapuram	2021-2022	7851096	7423700
31	Development of Signal Processing Tools for Susceptibility and Conductivity Mapping from a Single MR Acquisition using a Spoiled Gradient Multi-Echo Sequence	Indian Institute Of Information Technology And Management, Kerala	2021-2022	1589016	1357670
32	Investigation of cross-talk of gene regulation of L-sorbose and galactose metabolism in Candida albicans	National Institute Of Technology Calicut	2021-2022	2424745	2327500
33	Non-volatile resistance switching memory on SiC for harsh environment applications	Indian Institute Of Science Education And Research, Thiruvananthapuram	2021-2022	3777400	2640000
34	Performance Enhancement of Ternary Organic Solar Cells using Charge Transfer and Energy Transfer Synergistic Effects	National Institute Of Technology Calicut	2021-2022	1727000	1610000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
35	Computational Modelling of Transition Metal Oxides as Electrochemical Catalysts	National Institute Of Technology Calicut	2021-2022	3432000	3315000
36	Investigation of the influence of a Partial Noise Enclosure and Layout of Looms on the Noise Generation in Power Loom Units	Government College Of Engineering Kannur	2021-2022	1981086	1681020
37	Design and Development of a Planar Multi-Layer Inductor based RRR measurement for thin film coated Niobium SRF Cavities	Cochin University Of Science And Technology	2021-2022	2673000	1630998
38	“Mycosporine - like amino acids from Corals and associated Dinoflagellates – Their Role in Preventing Coral Bleaching – A Case study of Lakshadweep Archipelago”	College Of Fisheries	2021-2022	3428360	2082800
39	Functional Analysis of putative developmental genes of Oryctes rhinoceros	Central University Of Kerala	2021-2022	5694820	5411500
40	“Assessment of the effect of altitude and habitat on aquatic insect diversity in natural water-filled tree holes and their artificial analogues, in a tropical forest of Western Ghats”	Mes Mampad College (Autonomous)	2021-2022	3624940	1508300

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
41	Decoding Neuronal States using Chimera Patterns	Indian Institute Of Science Education And Research, Thiruvananthapuram	2021-2022	2557764	2052000
42	Characterization of gut microbiome in wild and captive gaur	Central University Of Kerala	2021-2022	4033832	1933900
43	Prioritizing spider conservation seen through the architectural properties of habitat and guild structure of spiders: a scoping perspective for sustainable environment in the sacred groves of Kerala	Christ College, Irinjalakuda	2021-2022	2741332	1019800
44	DEVELOPMENT OF ECO-FRIENDLY MUSSEL-INSPIRED FUNCTIONALIZED CATECHOL-RICH BIOMATERIALS AS REUSABLE ADSORBENT FOR WATER PURIFICATION	University Of Calicut	2021-2022	3666107	2993900
45	Exploring the effect of Single and Bimetallic-Doped Graphene Oxide (GO) Microporous Architecture by Pool Boiling for High-Quality Steam Generation	National Institute Of Technology Calicut	2021-2022	3830000	3325000
46	Energy-Efficient Synaptic Transistors of Two-Dimensional Layered Materials	Indian Institute Of Science Education And Research, Thiruvananthapuram	2021-2022	5302000	4780000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
47	High-pressure granulites in the Archean crustal blocks of Southern Granulite Terrain, southern India	Cochin University Of Science And Technology	2021-2022	4713764	3809300
48	DESIGN AND DEVELOPMENT OF A HIGHLY EFFICIENT MICROFLUIDIC PUMPING AND MIXING DEVICE FOR ACCURATE BIOCHEMICAL ANALYSIS WITH DEEP LEARNING METHOD	National Institute Of Technology Calicut	2021-2022	3256264	1740000
49	Derivatization and Nano-formulation of Lipopeptide “Kannurin” for potentiating its antimicrobial activity for topical application in Diabetic Foot Ulcer	Kannur University	2021-2022	4807264	3597000
50	“Design of Functional Main Group Organometallic Molecular Scaffolds: NIR Absorbing Excellent Materials for Sensing, Transportation of Bio-inspired Anions, Two-photon Absorption and OLEDs”	National Institute Of Technology Calicut	2021-2022	3933600	2851200
51	TAXONOMIC REVISION OF THE GENUS BUPLEURUM (APIACEAE) IN INDIA AND MOLECULAR CHARACTERIZATION OF SPECIES USED IN TRADITIONAL MEDICINES	St. Josephs College (Autonomous), Devagiri	2021-2022	3993264	2532500

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
52	Land change impacts on primate diversity and the spread of Kyasanur Forest Disease (KFD) in Kerala, Western Ghats	Kannur University	2021-2022	2919400	2714700
53	Universal Artificial Chaperone for Therapeutic Peptides using Lipid-polymer Mixed Micelle	Nirmala College, Muvattupuzha	2021-2022	3237720	2924460
54	A Prototype for Drone based Intelligent Coconut Harvester: An Application to Artificial Intelligence (AI) and Internet of Things (IoT)	National Institute Of Technology Calicut	2021-2022	1593510	1309080
55	Causal Optimal Transport for Summarizing the Unpaired Videos	Indian Institute Of Information Technology And Management, Kerala	2021-2022	1986100	1413825
56	Efficient Neuromorphic Memory via Nano-engineered Composite Film	Indian Institute Of Science Education And Research, Thiruvananthapuram	2021-2022	3273960	3200000
57	A comparative assessment on the role of spatio-temporal variability of blue carbon dynamics in a seagrass driven and seagrass-coral reef connected ecosystem in mitigating climate change	Nansen Environmental Research Centre (India)	2021-2022	2354040	2050000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
58	Spaceborne estimation of groundwater variability in Northwestern India.	Amrita Vishwa Vidyapeetham	2021-2022	1448040	1350000
59	Condition assessment of polymeric cable insulation through time domain measurements considering the effect of charge trapping in the insulation	National Institute Of Technology Calicut	2021-2022	1501520	1353270
60	Development of an Adaptive Distance Relaying Scheme in a Low Inertia Power System with Hardware Realization	National Institute Of Technology Calicut	2021-2022	2878790	2166420
61	An automated fluorescence slide imaging microscope for portable and low cost applications	Indian Institute Of Technology Palakkad	2021-2022	2662448	2809530
62	Anomaly Detection & Countermeasures in Cyber-Physical System using Advanced Control & Estimation Techniques	National Institute Of Technology Calicut	2021-2022	1377640	776240
63	Design and Development of a Software Solution for Enhanced Monitoring of Future Power System with High Renewable and Power Electronics Penetration	Indian Institute Of Technology Palakkad	2021-2022	2295910	2647105

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
64	Chemical synthesis of filled low dimensional CoSb ₂ Skutterudites for thermoelectric devices with high figures of merit for IC engine driven vehicles	National Institute Of Technology Calicut	2021-2022	2580000	2365000
65	Cathepsin-S as a novel direct drug target for preventing barrier and tissue destructive proinflammatory IL-1 beta signaling in primary, vascular endothelium: an in vitro study	National Institute Of Technology Calicut	2021-2022	2962650	2506150
66	Study the role of APT2 mediated SCRIB depalmitoylation on regulating self-renewal ability, tumorigenicity and therapy resistance in breast cancer	Amala Cancer Research Centre	2021-2022	2902779	2756279
67	Autophagy upregulation as a therapeutic approach for Parkinson's disease	Indian Institute Of Science Education And Research, Thiruvananthapuram	2021-2022	3034508	2994926
68	Finding the Progenitors of Carbon Enhanced Metal-Poor Stars	Indian Institute Of Technology Palakkad	2021-2022	1994355	1601942
69	Supramolecular Rigid Aromatic Multifarene Scaffolds: Selective Recognition of Environmental Pollutants and Ligands for Asymmetric Catalysis	National Institute Of Technology Calicut	2021-2022	2586000	2498000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
70	Efficient means of zero-error communication through coherent controlling of noisy quantum channels	Indian Institute Of Science Education And Research, Thiruvananthapuram	2021-2022	1441489	794447
71	Solid state welding of Ti alloy and Ni alloy metal prints for aerospace, energy and health sectors	Indian Institute Of Technology Palakkad	2021-2022	3259870	2809930
72	Study of Thermoregulation and Ventilation in Termite Mound Structures: Biomimetic Design Concepts for Passive Cooled Buildings	Indian Institute Of Technology Palakkad	2021-2022	2821287	2983180
73	Functionality Shuttling via Catalytic Isodesmic Reaction and Its Application in Organic Synthesis	Indian Institute Of Science Education And Research, Thiruvananthapuram	2021-2022	3120127	2779127
74	Activation of Alkyl chlorides Driven by Visible Light Titanium Photoredox Catalysis	Indian Institute Of Science Education And Research, Thiruvananthapuram	2021-2022	3081391	2891391
75	Targeted Delivery of Robinin encapsulated Nanodrug delivery System to Infarcted Heart for treatment of Myocardial infarction (MI)	University Of Kerala	2021-2022	3087000	3087000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
76	Floristics and molecular systematics of the mushroom family Inocybaceae (Agaricales, Basidiomycota, Fungi) of Kerala State	University Of Calicut	2021-2022	2780446	2594946
77	Elucidating the molecular mechanism behind strigolactone-mediated plant root morphology modulation and exploring the resulting effect in nutrient stress adaptation.	Mar Athanasios College For Advanced Studies (Macfast)	2021-2022	403845	179600
TOTAL				233543082	190243720
78	Development of low-cost Induction Melted Liquid Metal Additive Manufacturing Machine (IMMAMM) with Numerical and Experimental Investigations	National Institute Of Technology Calicut	2022-2023	5762440	1920780
79	R-forms of R[X]	Indian Institute Of Space Science & Technology	2022-2023	660000	440000
80	Existence and qualitative properties of solutions of quasilinear and nonlocal elliptic partial differential equations	Indian Institute Of Science Education And Research, Thiruvananthapuram	2022-2023	660000	220000
81	The study of Turaev cobracket from a hyperbolic geometric perspective	Indian Institute Of Technology Palakkad	2022-2023	660000	220000
82	Information Geometric Approach to Estimation Error Bounds	Indian Institute Of Technology Palakkad	2022-2023	660000	220000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
83	Hybrid numerical schemes for system of hyperbolic conservation laws	Indian Institute Of Science Education And Research, Thiruvananthapuram	2022-2023	660000	440000
84	Fix Point Computation of Herbrand Equivalence of Expressions in Data Flow Frameworks using Abstract Interpretation	Indian Institute Of Technology Palakkad	2022-2023	660000	220000
85	Complexity of Graph Contraction Problems	Indian Institute Of Technology Palakkad	2022-2023	660000	400000
86	BEEscape: Investigating landscape level pesticide use and health of native, social bees	Indian Institute Of Science Education And Research, Thiruvananthapuram	2022-2023	8841750	3729250
87	Multiplicities and graded algebras associated to filtrations of ideals	Indian Institute Of Technology Palakkad	2022-2023	1341840	1149700
88	On the central idempotents of algebras arising from Schur-Weyl Duality and the invariant theory of certain groups}	Indian Institute Of Science Education And Research, Thiruvananthapuram	2022-2023	1835064	751000
89	Eternal Vertex Cover Problem of Bipartite Graphs, Constant Treewidth Graphs and Planar graphs	Indian Institute Of Technology Palakkad	2022-2023	1745832	1175000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
90	Therapeutic targeting of autophagy in hypertrophied myocardium: potential effects of compounds from <i>Desmodium gangeticum</i>	Amrita Vishwa Vidyapeetham	2022-2023	2992000	994600
91	Development of High RAP Mixtures: Laboratory Investigation on the Effect of Bio-Rejuvenators	Indian Institute Of Technology Palakkad	2022-2023	5862032	5024660
92	Proposed design guidelines for hybrid joints in FRP beam to FRP/steel column	College Of Engineering Trivandrum	2022-2023	2990900	1833000
93	Microphase Separation in the Bottlebrush Polymers under Confinement: An Effective Ruling Principle for Microscopic Organization	Indian Institute Of Technology Palakkad	2022-2023	1844832	761500
94	Engineering porous silicon for capacitive deionization	Indian Institute Of Technology Palakkad	2022-2023	5815832	2951800
95	Analysis of miRNA/tRF generation from tRNAs and examination of their sorting into exosomes and P bodies in breast cancer	Central University Of Kerala	2022-2023	2225872	1352500
96	PHOTOCATALYTIC DEGRADATION OF PERSISTENT POLLUTANTS USING MAGNETIC FERRITE/MoO ₃ NANOCOMPOSITES	Mar Athanasius College	2022-2023	2376880	1760820

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
97	Hybrid Tribo-electric nanogenerator with super-capacitor storage system for wind energy harvesting using Biocomposite materials	College Of Engineering Trivandrum	2022-2023	2981000	2756000
98	CRISPR/Cas based metabolome editing and genomics assisted glucosinolate pathway elucidation of the miracle tree Moringa oleifera Lam.	College Of Horticulture	2022-2023	2662000	1987000
99	MXene/Polymer Nanocomposites for Self-Powering Wearable Sensors and Devices	National Institute Of Technology Calicut	2022-2023	4933764	3350000
100	Design of gC3N4/CoN4 Nanohybrids as a Quantum Computing Material with Simultaneous Catalytic Activity and Sensing Ability	National Institute Of Technology Calicut	2022-2023	3163732	2054400
101	Wearable wireless triboelectric nanogenerator sensor for respiratory rate and sleep monitoring	Cochin University Of Science And Technology	2022-2023	3040314	2246718
102	Development of AI assisted Versatile Chemical Sensor Array for On-demand End Use	Indian Institute Of Science Education And Research, Thiruvananthapuram	2022-2023	4990832	3120000
103	Development of Supercontinuum-based Transient Absorption System for Time-resolved Laser Produced Plasma diagnostics	Cochin University Of Science And Technology	2022-2023	7476495	6436814

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
104	MXene based 2D materials and composites for battery applications – reaction mechanism, kinetics and performance investigations	Amrita Center For Nanosciences And Molecular Medicine	2022-2023	3268732	2320535
105	“Organic geochemical characterisation of Ashtamudi Ramsar wetland: A biomarker approach”	Cochin University Of Science And Technology	2022-2023	2780240	2450000
106	Morho-molecular characterisation and phylogenetic analysis of the genus Riccia L. (Ricciaceae; Marchantiophyta) in the Western Ghats	University Of Calicut	2022-2023	3956876	2498825
107	EFFECT OF SOCIAL INSTITUTIONAL AND TECHNOLOGICAL INTERVENTIONS ON ACCESS TO HEALTHCARE AMONG INTERSTATE MIGRANT LABOURERS IN KERALA	Mahatma Gandhi University	2022-2023	4676624	3313700
108	Architectures and Protocols for Integrated 6G-Satellite Networks	Indian Institute Of Space Science & Technology	2022-2023	3932660	1727490
109	A study on the zero multiplicity and S-units in recurrence sequences	National Institute Of Technology Calicut	2022-2023	2112264	844088
110	Semilinear Elliptic Boundary Value Problems on Unbounded Domains in R^2	Indian Institute Of Technology Palakkad	2022-2023	2675596	995198

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111	Stabilization by sparse controls for system of reaction-diffusion equations with mixed state and control constraints	Indian Institute Of Science Education And Research, Thiruvananthapuram	2022-2023	2857096	1165698
112	Balance in Chaos - Searching for Equitable Patterns in Edge-Colored Graphs	Indian Institute Of Technology Palakkad	2022-2023	1919082	744694
113	Study for improved estimation as well as understanding of deep cloud particles and melting layer microphysical properties using phase based polarimetric radar simulations and measurements	Indian Institute Of Technology Palakkad	2022-2023	1800120	1250000
114	Influence of Bentonite and Biopolymer as Stabilizers on Micro-Mechanical Performance of Pre-crushed Micaceous Sand at Different Degree of Mica Particle Breakage under Varying Cyclic Loading Conditions	National Institute Of Technology Calicut	2022-2023	1572076	1494160
115	Magnetic skyrmions on spherically curved surfaces	Cochin University Of Science And Technology	2022-2023	4297689	3353500
116	Optically-controlled programmable assembly of multi-component 3D colloidal crystals from evaporating droplets	National Institute Of Technology Calicut	2022-2023	4780380	4007000

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117	Occurrence and behaviour of Rare Earth Elements (REE) in selected alkaline granitoids and their weathered crusts of Kerala, southern India: Investigation on potential ion-adsorption clay-type REE deposits	Mes Ponnani College	2022-2023	4994240	3210000
118	ESTIMATION OF ABOVE GROUND BIOMASS USING MULTI-FREQUENCY SAR POLARIMETRIC TECHNIQUES IN A TROPICAL FOREST ECOSYSTEM IN THE WESTERN GHATS	University Of Kerala	2022-2023	2519240	1500000
119	Investigations on the alteration in brain dynamics during progression of Alzheimer Disease (AD) from Mild Cognitive impairment (MCI) under resting and cognitive task conditions using complex network analysis	National Institute Of Technology Calicut	2022-2023	1896400	812000
120	Applications of Fractional Order Calculus to Biomedical Signal Processing	Indian Institute Of Space Science & Technology	2022-2023	3124264	1828000
121	Artificial Intelligence-based Mobility Model for Alternative Fuel Vehicles (AFV) to optimize the route and Mitigate Carbon Emission using the prevailing AFV Fuel Infrastructures in India	Indian Institute Of Information Technology, Kottayam	2022-2023	2303492	994964

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122	Development of advanced non-linear non-Gaussian state estimators with application to real-life problems	National Institute Of Technology Calicut	2022-2023	2129718	1010108
123	Stochastic Resonance based detectors using thin-film integrated ferroelectrics	Indian Institute Of Technology Palakkad	2022-2023	7373630	5316000
124	Atom-Precise Metal Nanocluster and Two-Dimensional Cluster-Assembled Materials for Efficient Electrochemical Nitrogen Reduction Reaction	Indian Institute Of Science Education And Research, Thiruvananthapuram	2022-2023	4311758	3250480
125	Design, fabrication and performance analysis of electro assisted wickless heat spreader operating in a closed flow loop	National Institute Of Technology Calicut	2022-2023	2540230	2399300
126	Synthesis of mimics of collagen, elastin and fibroin via isosteric replacement of amide with triazole	Indian Institute Of Science Education And Research, Thiruvananthapuram	2022-2023	6838832	5187300
127	Copper-Mediated Nucleophilic and Electrophilic Propargylation Reactions: Asymmetric Synthesis of Various Propargylic Compounds	Indian Institute Of Science Education And Research, Thiruvananthapuram	2022-2023	3568400	2196130
128	Cancer environment stimuli-responsive DNA nanoparticles: A unique drug delivery vehicle for combination cancer therapy	Indian Institute Of Science Education And Research, Thiruvananthapuram	2022-2023	5272000	4587333

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129	Relevance of Protein Secondary Structure in Polypeptide-Enzyme Interactions for Regulating the Enzymatic Function – A Combined Theoretical and Experimental Approach	Indian Institute Of Technology Palakkad	2022-2023	3483832	1301300
130	An Improved Lennard-Jones Formulation for Modeling Adsorption on Graphynes	Indian Institute Of Science Education And Research, Thiruvananthapuram	2022-2023	2466190	1682809
131	NANOFABRICATED SINGLE PROTEIN ASSEMBLIES FOR SOLID-STATE BIOELECTRONIC DEVICES	Indian Institute Of Science Education And Research, Thiruvananthapuram	2022-2023	7993832	6504700
132	Standardization of primary processing of cocoa in different season and enumeration of microbes associated with fermentation	Kerala Agricultural University	2022-2023	3973129	2526900
133	Radio frequency (RF) energy harvesting using multi-band metamaterial absorbers	Government Victoria College	2022-2023	3773642	3341400
134	Understanding the effect of stabilizing selection for the timing of adult emergence on circadian clock of <i>Drosophila melanogaster</i>	Indian Institute Of Science Education And Research, Thiruvananthapuram	2022-2023	3585249	2064000

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135	Performance evaluation of tunnel and slope support systems against the coupled effect of freeze-thaw cycle and dynamic loading	Indian Institute Of Technology Palakkad	2022-2023	4457332	3033000
136	Interface Engineering of Bi-Sb-Ge Tellurite Superlattices using Atomic Layer Deposition	Indian Institute Of Science Education And Research, Thiruvananthapuram	2022-2023	5072934	4365000
137	A Step towards Smart City Environment: A Reinforcement Learning Based Intelligent Traffic control for Transportation System for smart cities of Kerala	National Institute Of Technology Calicut	2022-2023	2540516	1203500
138	Developing strategies to target altered glycosylation against drug resistance in advanced heterogenous breast cancers.	Cochin University Of Science And Technology	2022-2023	4878214	2663844
139	2D Materials/Biopolymer based Broad-Spectrum Antimicrobial Multilayer Coatings: Synergistic Approach to Thwart the Biofilm Formation on the Medical Implants	Indian Institute Of Science Education And Research, Thiruvananthapuram	2022-2023	3983936	2942000
140	Modelling and analysis of discrete and continuous-time reliability-queueing-inventory systems	Central University Of Kerala	2022-2023	2064832	784000

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141	Occurrence and current status of soft shell turtles in urban and rural wetlands of Southern Kerala for the formulation of conservation strategies	Fatima Mata National College (Autonomous)	2022-2023	1422340	816500
142	Corroborating host-vector-pathogen interplay in subclinical forms of arthropod-borne hemoparasitic diseases in goats	Kerala Veterinary & Animal Sciences University	2022-2023	2940340	2775500
143	Neutrophils Mediated Enzymatic Biodegradability of Two-Dimensional MXenes Nanosheets: Effect of Surface Functionalization and Blood Serum Protein Coating	Indian Institute Of Science Education And Research, Thiruvananthapuram	2022-2023	3293000	2974000
144	Robust and Collaborative Fog-aided Federated Learning Framework for Enhanced Resiliency of Real-time Applications	Indian Institute Of Science Education And Research, Thiruvananthapuram	2022-2023	1888160	1055335
145	Towards Building Quantity-Rich Knowledge Bases	Indian Institute Of Technology Palakkad	2022-2023	2071870	1830935
146	Microswimmers in Anisotropic Liquid	University Of Calicut	2022-2023	3186700	2415330
147	Development of an electrically controllable antiferromagnet-based device for spintronic memristor applications	Cochin University Of Science And Technology	2022-2023	3033030	2910165

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148	Studies on the effects of geometry and dynamics on many-particle aggregation	Cochin University Of Science And Technology	2022-2023	2176372	1625686
149	Exploring High Sodium-content P2-type Layered Oxide Positive Electrodes for Practical Na-ion Batteries	Amrita Center For Nanosciences And Molecular Medicine	2022-2023	2671054	2468122
150	Identifying the extreme precipitation circulation patterns over India in the future world using Convolutional Neural Networks	Kumbalathu Sankupillai Memorial Devaswom Board College	2022-2023	2772980	2600000
151	Marine Microbiome To Ascertain The Role Of Microbes In Biogeochemical Cycling In The Eastern Arabian Sea	Cochin University Of Science And Technology	2022-2023	2367040	2000000
152	Understanding the role entrainment on warm clouds over South Asia using Lagrangian Cloud Model	Newman College Thodupuzha	2022-2023	2599872	2400000
153	Secure Control Algorithms Design for Distributed Formation and Containment Control Problems Subjected to Cyber Attacks	Indian Institute Of Space Science & Technology	2022-2023	1278790	687645

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154	Crystal Engineering in presence of Tetrel, Halogen and Hydrogen bond, hierarchical and mutual effects upon one another: A novel approach in designing materials with desired structure and properties.	Nirmalagiri College	2022-2023	3039872	2849936
155	Self-Assembled Smart-Superstructures for Unique Optical and Electrochemical Applications	University Of Calicut	2022-2023	3299494	2754747
156	Green Hydrogen Technologies - Identification of alternative reductants to bypass photon flux density bottleneck	University Of Calicut	2022-2023	3198844	2811922
157	Defining lysosomal mechanisms of defense against intracellular pathogens	Indian Institute Of Science Education And Research, Thiruvananthapuram	2022-2023	3020300	2790150
158	Thorough investigation of the mechanism of the origin of Gamma-ray burst through first principles, observational interpretation and simulation studies.	Indian Institute Of Science Education And Research, Thiruvananthapuram	2022-2023	1881000	1790500
159	Dispersion Controlled in Silico Catalyst Design for the Selective Hydroarylation Reaction	Indian Institute Of Technology Palakkad	2022-2023	3133844	2846897

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
160	Study of skein algebras through quantization of Poisson algebras	Indian Institute Of Technology Palakkad	2022-2023	1278662	718781
161	Collective spatiotemporal dynamics of biological soft matter using theory and computation	Indian Institute Of Science Education And Research, Thiruvananthapuram	2022-2023	3248980	2996500
TOTAL				267081232	184503149
162	A STUDY OF TWISTED CONJUGACY PROBLEM IN GROUPS	University Of Calicut	2023-2024	660000	220000
163	Variational multiscale stabilization for the incompressible Navier-Stokes equation	Indian Institute Of Space Science & Technology	2023-2024	660000	220000
164	Analysis and computation of sparse optimal control of monodomain equations in cardiac electrophysiology	National Institute Of Technology Calicut	2023-2024	660000	220000
165	Unveiling the hidden relationship between vorticity and magnetic field in the solar atmosphere	Indian Institute Of Science Education And Research, Thiruvananthapuram	2023-2024	660000	220000
166	Fingerprinting and Communicability of Functional Brain Networks - A Graph Theoretic Analysis	Indian Institute Of Information Technology, Kottayam	2023-2024	660000	220000
167	Exploring many body effects in quantum machines	Indian Institute Of Technology Palakkad	2023-2024	1734832	591600

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168	Synthesis and antibacterial evaluation of compounds derived from tryptanthrin and β -carboline targeting MDR bacterial pathogens.	University Of Kerala	2023-2024	2950860	1608000
169	Duckweed based nutritional supplement	Central University Of Kerala	2023-2024	4407832	1968000
170	Reverse-engineering of Effective Plastic Degrading Enzymes through Structure-based Optimization – A Combined Molecular Dynamics Simulations and Machine Learning Prediction	University Of Calicut	2023-2024	2853400	1724000
171	Screening and Identification of high efficiency genome wide SSR markers in true mangroves of Rhizophoraceae sp. for taxonomic identity and population structure from West coast of India	Cochin University Of Science And Technology	2023-2024	4333494	1984031
172	Quantifying The Role Of Various Cloud/Rain Processes On The Variability Of Stable Oxygen And Hydrogen Isotopes Of Tropical Rainfall	Cochin University Of Science And Technology	2023-2024	2722760	1157000
173	YEAST STRAIN FROM MANGROVE SEDIMENTS AS SINGLE CELL PROTEIN AND PROCESS OPTIMIZATION FOR MASS PRODUCTION AS A NUTRACEUTICAL	University Of Calicut	2023-2024	2893260	1431000

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174	Elucidating the genetic architecture of inherited somniloquy	Government Medical College, Kozhikode	2023-2024	2999920	999000
175	Semiochemical based tick control strategies for the sustainable mitigation of haemoprotozoan / rickettsial diseases in ruminants	College Of Veterinary & Animal Sciences	2023-2024	2941400	1514000
176	Role of PACAP in adult neurogenesis and neural plasticity under oxidative stress	Cochin University Of Science And Technology	2023-2024	2508000	836000
177	Dissecting the role of Rv1899c, an HDAC1-ZBTB25 interacting protein of Mycobacteria in downregulating the expression of macrophage IL-12B during Mycobacterium tuberculosis infection	Amrita School Of Biotechnology, Vallikkavu	2023-2024	2900830	967000
178	Role of vesicle-mediated neutrophil extracellular traps in promoting thrombosis in diabetes mellitus	Mahatma Gandhi University	2023-2024	2900820	1500000
179	Active Brownian Dynamics in viscous/viscoelastic solution	University Of Kerala	2023-2024	2111210	863000
180	Developing Novel Organic π -conjugated materials using Through Space Charge Transfer Mechanism for NLO Applications	Government College Kasaragod	2023-2024	2089560	997000

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181	Origin of volcanic agglomerate around Ulindakonda, Gadwal Schist Belt, Andhra Pradesh, India: Petrographic, geochemical and geochronological perspective	University Of Kerala	2023-2024	2999960	1000000
182	ENVIRONMENTALLY BENIGN APPROACH FOR THE EXTRACTION OF NANOCELLULOSE FROM NOVEL AGROMASS OF ELETTARIA CARDAMOMUM FOR GREEN AND SMART PACKAGING APPLICATIONS	Mahatma Gandhi University	2023-2024	2636830	1478940
183	Identifying the molecular determinants of adipocyte hypertrophy: Role of Septin 11 in the remodelling of actin and microtubules and their interaction with lipid droplets during fat cell expansion.	University Of Kerala	2023-2024	2624400	1012000
184	Information entropy dynamics and direct measurement of revivals and fractional revivals in nonlinear models	Govt. College Malappuram	2023-2024	2426290	1313000
185	Structure Theory of Unitary Groups and it's Generalizations	Cochin University Of Science And Technology	2023-2024	1610400	653000

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186	Symplectic Spectral Theory	Cochin University Of Science And Technology	2023-2024	1403600	467000
187	Kinetically Controlled Pathway for the Synthesis of Supramolecular Block Copolymers with Donor-Acceptor Heterojunctions	Sacred Heart College, Thevara	2023-2024	2875360	1291000
188	Controlling two-component self-assembly of pi-systems through supramolecular engineering	Mahatma Gandhi University	2023-2024	2999830	1333280
189	Expanding the Utility of Rhodium-Iminocarbene in Natural Products for Drug Discovery	C.M.S. College	2023-2024	2861230	1520000
190	Taxonomy and molecular phylogeny of the lichen genus Usnea sensu lato (Parmeliaceae) in Kerala, India	Maharaja'S College	2023-2024	2748060	1061000
191	Priming with g-C ₃ N ₄ nanosheets doped with essential elements enhances the abiotic stress tolerance potential of Oryza sativa L.	University Of Calicut	2023-2024	2562400	1254000
192	Understanding the mechanism of heavy metal detoxification in Alternanthera tenella Colla. to elucidate its phytoremediation potential.	Sree Neelakanta Government Sanskrit College Pattambi	2023-2024	2999830	1333000

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193	Polyvinyl alcohol based nanocomposite films for intelligent packaging applications: A green step towards sustainability	Cochin University Of Science And Technology	2023-2024	2437690	936460
194	Probing the metallicity dependence of the i-process: High-resolution spectroscopic analysis of stars enriched with both r- and s-processes	Calicut University	2023-2024	1819600	689160
195	Insights into meiotic crossover mechanisms using SNP-ChIP analysis	Indian Institute Of Science Education And Research, Thiruvananthapuram	2023-2024	3574800	2298000
196	Unraveling the molecular and biochemical basis of a drought-resistant, bushy mutant with high organogenic potential in Arabidopsis thaliana	Indian Institute Of Science Education And Research, Thiruvananthapuram	2023-2024	3883000	1840999
197	Do aberrations in the human circadian clock and sleep homeostat genes cause sleep deficits in attention deficit hyperactivity disorder.	Institute Of Mental Health And Neuro Sciences	2023-2024	5208764	1743000
198	Elucidating the role of DNA methylation for pharmacoresistance in obsessive-compulsive disorder	Institute Of Mental Health And Neuro Sciences	2023-2024	4207740	1410000

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199	Manufacturing therapeutic quality human mesenchymal stem cells using microfibrillar cell culture cartridges: A passage-free single-step process for producing minimally manipulated adherent stem cells for regenerative medicine	Amrita Vishwa Vidyapeetham Kochi Health Sciences Campus	2023-2024	5357264	2313000
200	Identification and analysis of tRNA derived fragments (tRFs) from rice (black, brown, red and white) derived exosome-like edible nanovesicles (ELN) for cancer therapeutics	Central University Of Kerala	2023-2024	6129352	2238000
201	Experimental and numerical studies on ammonia combustion in a Trapped Vortex Combustor	Indian Institute Of Technology Palakkad	2023-2024	5254832	4564943
202	Synthesis of Graphite nanoplatelets decorated with spinel ferrite materials by using various surfactants on CF/GF composites for EMI shielding	Mangalam College Of Engineering	2023-2024	532858	470564
203	Unravelling the role of VEGF signaling in hematopoietic stem cell maturation and expansion in mouse fetal liver	Indian Institute Of Science Education And Research, Thiruvananthapuram	2023-2024	4039100	1639700
204	An enquiry of leaf and flower foraging sources of leafcutter bees towards their management and conservation	Central University Of Kerala	2023-2024	4312870	1811000

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205	Conservation of <i>Crinum malabaricum</i> Lekhak & S. R. Yadav (Amaryllidaceae); a critically endangered aquatic plant of medicinal importance.	Malabar Botanical Garden G.A. College	2023-2024	3677659	1489219
206	<i>Utricularia</i> L. (Lentibulariaceae) of India: Unravelling trap architecture using SEM and TEM studies	University Of Calicut	2023-2024	3393764	1237921
207	Structural and Aerodynamic characterization and biomimetic studies of winged diaspores of selected flowering plants of South India	University Of Calicut	2023-2024	4741264	2620420
208	Analysis of Structure-Property Relationship in Ultra-Wide Band Gap Semiconductor Ga ₂ O ₃ for Functional Device Applications	Amrita Institute Of Medical Sciences And Research Centre	2023-2024	5151344	2723700
209	Investigation of quantum phase transitions in two-dimensional Heisenberg kagome lattice antiferromagnets	Indian Institute Of Science Education And Research, Thiruvananthapuram	2023-2024	4206792	2113700
210	Class numbers of number fields	Indian Institute Of Science Education And Research, Thiruvananthapuram	2023-2024	2681096	1067031

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
211	Seismic Response Modification Factors (SRMFs) for Special Steel Moment Resisting Frames (SSMRFs) Designed as per Indian Standards	National Institute Of Technology Calicut	2023-2024	2770062	1429999
212	DEVELOPMENT OF DESIGN METHOD FOR WEB CRIPPLING STRENGTH OF CFS BEAMS	Indian Institute Of Technology Palakkad	2023-2024	2694558	1004399
213	Developing diamond coatings on high cobalt content WC-10%Co substrates for machining applications	National Institute Of Technology Calicut	2023-2024	3510650	2796500
214	Exploring extreme light-matter interactions in the epsilon near zero regime of doped metal oxide semiconductors and conducting polymers.	Indian Institute Of Science Education And Research, Thiruvananthapuram	2023-2024	4642000	3350000
215	High Entropy Mechanical Energy Scavenging through Piezo-Tribo-Hybrid Nanogenerators derived from Waste Materials aiding Circular Economy for Self-Powered Electronics	Csir- National Institute For Interdisciplinary Science And Technology (Niist)	2023-2024	3143059	1221020
216	Main-group compounds for carbon monoxide activation	Indian Institute Of Science Education And Research, Thiruvananthapuram	2023-2024	2475000	865000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
217	Development of Near Infrared LEDs through Tailoring Photophysical Response of Garnet Based Phosphors for Biological Windows	University Of Kerala	2023-2024	5263764	3544588
218	Nature-Inspired Conversion of Biomass to Biofuel: The Lytic Polysaccharide Monooxygenases Paradigm	National Institute Of Technology Calicut	2023-2024	4713196	2827388
219	Tuning the structure and functional properties of “amino-1,8-naphthalimide-Tröger’s base” scaffolds as organic electrode materials for sustainable battery applications	Indian Institute Of Technology Palakkad	2023-2024	4374832	2271610
220	Investigating cross-talks between insulin signalling and hypoxic signalling pathway in managing nutrient homeostasis during growth and development in Drosophila	Indian Institute Of Science Education And Research, Thiruvananthapuram	2023-2024	6202768	2171000
221	Synthesis and Application of Alkyl(trialkoxyl)silanes via Cross-Electrophile and Nickel Hydride Coupling Reactions	Indian Institute Of Science Education And Research, Thiruvananthapuram	2023-2024	3366000	1162000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
222	Design, Synthesis, and Pharmacological Evaluation of Novel Isoform-specific Histone Deacetylase (HDAC) Inhibitors as Potential Anticancer Therapeutics, via A Fluorous-tag Assisted High-throughput Synthetic Platform	Indian Institute Of Technology Palakkad	2023-2024	4521000	2847000
223	Understanding sex specific molecular cross-talk between Hypothalamo-Hypophyseal-Gonadal (HHG) and Hypothalamo-Hypophyseal-Interrenal (HHI) axes during urogenital development in Asian Seabass Lates calcarifer	Central University Of Kerala	2023-2024	5415631	2685441
224	Framework- and non-framework-based Composite catalysts for biomass hydrogenation and CO2 reforming	Central University Of Kerala	2023-2024	5731000	4783600
225	Unravelling the role of interchromophoric electronic coupling in symmetry breaking charge separation vs. singlet fission	Indian Institute Of Science Education And Research, Thiruvananthapuram	2023-2024	7967190	6884330
226	STRUCTURE AND PROPERTY TUNING OF TRANSITION METAL COMPOUNDS TO AUGMENT ELECTROCATALYTIC ACTIVITY TOWARDS DIRECT METHANOL FUEL CELL APPLICATIONS	National Institute Of Technology Calicut	2023-2024	5577264	3539088

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
227	Molecular Simulation Study of Anti-Agglomerant Action between Two Hydrate Surfaces for Flow-Assurance	National Institute Of Technology Calicut	2023-2024	3497162	2166000
228	Si-H bond activation and its applications in homogeneous catalysis	Indian Institute Of Science Education And Research, Thiruvananthapuram	2023-2024	5074872	3665000
229	Design and Synthesis of Helically Chiral Configurationally Stable Macrocycles Towards Chiroptical Properties	Indian Institute Of Science Education And Research, Thiruvananthapuram	2023-2024	4961000	3660000
230	Macrocycle-Derived Porous Organic Polymers for Task-Specific Sensing and Removal of Emerging Organic Contaminants from Water	Indian Institute Of Technology Palakkad	2023-2024	3722461	1791000
231	Design and development of low-cost synthetic strategies and Investigation of defect tolerance properties of inorganic semiconductors for semiconductor sensitized solar cell (SSSc) applications.	Mahatma Gandhi University	2023-2024	5254832	3780000
232	Investigation of the genetic regulation of melatonin/lignin mediated salinity stress tolerance mechanisms in mangroves	Central University Of Kerala	2023-2024	4704832	2764000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
233	Emergent patterns in complex dynamical networks of mixed dynamics	Indian Institute Of Science Education And Research, Thiruvananthapuram	2023-2024	2999832	1662000
234	UNDERSTANDING THE CLIMATIC INFLUENCE ON THE HARMFUL ALGAL BLOOMS ALONG THE SOUTH WEST COAST OF INDIA- AN ECOPHYSIOLOGICAL APPROACH	Cochin University Of Science And Technology	2023-2024	3050340	2155000
235	Fabrication of MnO ₂ -Photosensitizer Nanocomposite for Synergistic Anti-Cancer Activity by DNA G-Quadruplex Binding and Photodynamic Therapy	Nirmalagiri College	2023-2024	3269519	2491519
236	Monitoring Mechanical Behaviour of Rock-Concrete Joint Using Electro-Mechanical Impedance Technique	National Institute Of Technology Calicut	2023-2024	2893200	2510000
237	Damage Detection in Structural Components using Instantaneous Spectral Analysis of Vibration Signals	National Institute Of Technology Calicut	2023-2024	1983810	1783500
238	Index Coding for Infotainment Message Dissemination in VANETs	National Institute Of Technology Calicut	2023-2024	2170340	1490000
239	Crystallization Kinetics Investigations of Arsenic Doped Phase Change Memory Devices	National Institute Of Technology Calicut	2023-2024	3059760	2189160

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
240	Petrology, geochemistry, and geochronology of mafic and felsic volcanic rocks of Panjal Traps, Kashmir, NW India	Indian Institute Of Science Education And Research, Thiruvananthapuram	2023-2024	2657228	1350000
241	Development of hybrid metal oxide/carbon nanostructures on rigid substrates for photo-electrochemical applications and mechanistic study through operando Infrared/Raman spectroscopy	Sree Sankara College	2023-2024	2791844	1983422
242	Deciphering the molecular pathways underlying chromatinopathies in neurological disorders	Indian Institute Of Science Education And Research, Thiruvananthapuram	2023-2024	2984600	1817500
243	Identification of host factors that regulate Plasmodium entry of hepatocytes	Indian Institute Of Science Education And Research, Thiruvananthapuram	2023-2024	2897856	1829000
244	Next Generation of Low Oxidation State and Low Coordinate Cations of s-Block Compounds: Base Metals with Noble Intentions	Indian Institute Of Technology Palakkad	2023-2024	3258873	2128982
245	Carbonyl activation using late-transition metal-hydride complexes [H-M-L-X-H] (X = O, N) containing hydrogen bond donor ligands	Indian Institute Of Science Education And Research, Thiruvananthapuram	2023-2024	3172693	2227600

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
246	Spatial, and Time-Modulated Chiral Metasurfaces for Terahertz Waveband Applications	National Institute Of Technology Calicut	2023-2024	2555344	1857672
247	Investigation on modes of non-distributed feedback optofluidic random laser and their applications in label-free sensing	National Institute Of Technology Calicut	2023-2024	3281344	2570672
248	Rogosinski and Bohr Radii for Holomorphic Functions.	National Institute Of Technology Calicut	2023-2024	1372844	728922
249	Weyl Modules for Equivariant map Lie superalgebras	National Institute Of Technology Calicut	2023-2024	1304109	723311
250	On Design and Analysis of Stepped Wedge Cluster Randomized Trials	Indian Institute Of Science Education And Research, Thiruvananthapuram	2023-2024	1301322	730411
251	Development of NIR fluorescent probes for dual action of volatile organic compound (VOC) detection and simultaneous PDT activity for anticancer treatment	Amrita Vishwa Vidyapeetham	2023-2024	2467872	1738936
252	Role of TRIM family proteins in megakaryocyte development/maturation and platelet production in dengue virus-induced thrombocytopenia	Institute Of Advanced Virology	2023-2024	3034800	1847500

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
253	Stability of complex systems under higher-order interactions	Indian Institute Of Science Education And Research, Thiruvananthapuram	2023-2024	2731872	2120936
TOTAL				299828692	165307674
254	Design of droplet microfluidic device for high throughput production of encapsulated liver microtissues for biomedical applications	College Of Engineering Trivandrum	2024-2025	4592595	2418027
255	What makes radio bright Gamma-Ray Bursts special?	Indian Institute Of Space Science & Technology	2024-2025	2322508	898000
256	Mathematical Aspects of Machine Learning with applications to signal processing	Indian Institute Of Science Education And Research, Thiruvananthapuram	2024-2025	2269696	896564
257	Nose to Brain Direct Delivery of Zolmitriptan in combination with Zinc Sulfate through Nanostructured Lipid Carriers (NLCs) for the Treatment of Acute Migraine	Amrita Institute Of Medical Sciences And Research Centre	2024-2025	2930720	976906
258	Preclinical validation of cancer cell specific biotherapeutic human single chain fragment variable against EGFR vIII for clinical translation.	Amrita Institute Of Medical Sciences (Aims)	2024-2025	4581920	1667240

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
259	Decipher the entry mechanism of the Middle East respiratory syndrome coronavirus (MERS-CoV) and a SARS-like virus to develop antivirals that target host factors	Indian Institute Of Science Education And Research, Thiruvananthapuram	2024-2025	8129040	2933680
260	Hydrogel-forming Microneedle arrays for Non Invasive Point-of-Care Testing of Neonatal Sepsis.	Hindustan Latex Limited (HLL Lifecare)	2024-2025	3868220	1401040
261	Metabolic shift and mitochondrial defects in the lysosomal storage disorder of saposin deficiency	Indian Institute Of Science Education And Research, Thiruvananthapuram	2024-2025	5674415	2128275
262	Spin-orbit Torque (SOT) assisted magnetization switching in Van der Waals (VdW) Ferromagnet above room temperature.	Indian Institute Of Technology Palakkad	2024-2025	4040696	1993600
263	Design and development of efficient triboelectric nanogenerator using MXene-SrMnO ₃ composite fillers to polymer-based negative tribo-layer: A large-scale energy harvesting integration from sea waves	National Institute Of Technology Calicut	2024-2025	4518008	2867700
264	Interesting Features of Active Brownian Dynamics	University Of Kerala	2024-2025	2939723	1285100
265	Controlling Imperfections in Quantum Devices	Indian Institute Of Technology Palakkad	2024-2025	3592099	1974000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
266	Reconstruction of the paleo-ocean acidification and water column structure using aragonite and calcite zooplankton from the north-eastern Indian Ocean	Central University Of Kerala	2024-2025	3479560	1800000
267	"Microcomb solitons: A novel tool for exploring fundamental physics and advanced real-world applications"	Indian Institute Of Science Education And Research, Thiruvananthapuram	2024-2025	5872900	4950000
268	In-Vivo & In-Silico Biomechanical Evaluation Based Design & Development of Upper & Lower Extremity Passive Exoskeletons for Occupational Use.	National Institute Of Technology Calicut	2024-2025	3423200	1841200
269	Design and development of a robotic rubber latex collection system	Indian Institute Of Technology Palakkad	2024-2025	6152256	3757600
270	Development of a novel cooling strategy for dry grinding and experimental investigations on its performance	Indian Institute Of Technology Palakkad	2024-2025	2918256	1152900
271	Studies on condition monitoring of electric vehicle battery packs for Indian climatic conditions.	Indian Institute Of Technology Palakkad	2024-2025	5624696	3881700
272	Host plant mediated intra-specific diversification in a butterfly	Indian Institute Of Science Education And Research, Thiruvananthapuram	2024-2025	4804610	1635000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
273	Genome Exploration of Rice Landraces through Machine Learning Methods and their Validation	Central University Of Kerala	2024-2025	5347592	3237922
274	Ecophysiological functioning of Indian mangroves under climate change conditions: current performance and future predictions	Indian Institute Of Science Education And Research, Thiruvananthapuram	2024-2025	4237231	2603949
275	Towards the microscopic understanding of the thermodynamic properties of atomic nuclei	Cochin University Of Science And Technology	2024-2025	2752882	1289500
276	Towards optimality – an effective window to new physics	Indian Institute Of Science Education And Research, Thiruvananthapuram	2024-2025	2546192	1196000
277	Performance Evaluation of Micro-Structural and Rheological Characteristics of Emulsified Bitumen-Filler Mastic on Cold Bituminous Mixes	National Institute Of Technology Calicut	2024-2025	4592610	2746000
278	Modelling the electrochemical responses and understanding the corrosion mechanisms of coated steel bars embedded in reinforced concrete systems	National Institute Of Technology Calicut	2024-2025	4946630	3079000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
279	Development of Organic-Inorganic nanohybrids based modular E-nose device prototype for monitoring of Nitrogen containing gaseous analytes	Centre For Materials For Electronics Technology	2024-2025	3504741	1266000
280	Smart, Sustainable, and Low Latency Computational Offloading From Cellular Network With Cooperating UAVs Mounted RHS Communication: Multi-Agent Deep Reinforcement Learning Based Approach	National Institute Of Technology Calicut	2024-2025	6444480	3990000
281	A Study on Compactly supported, Symmetric and Orthogonal Multiwavelets using Matrix Polynomial Theory	National Institute Of Technology Calicut	2024-2025	2649366	992000
282	Ultrafast Excited-state Structural Dynamics in Chalcone-based Sunscreen Agents	Indian Institute Of Science Education And Research, Thiruvananthapuram	2024-2025	4440000	2346000
TOTAL				123196842	63204903
283	Towards Eick's conjecture, power structure in p -groups, and an analogue of Baer's theorem for profinite groups	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	2986544	1102181
284	Switching hands: A systematic approach for altering the enantiospecificity in enzymes	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	7200000	3900446

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
285	Mechanistic Modelling of Cortical Microtubule Behaviour in Leaf Vein Regeneration: Integrating Computational and Experimental Approaches	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	4087296	2012352
286	The evolutionary origins of cell differentiation and the ecological consequences of macroscopic multicellularity	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	6379920	3220106
287	NIRVAAH-BioLNG: Nurturing Innovation in bio-methanation Route for enhanced Valorization of waste towards Augmented Harvesting of BioLNG	National Institute Of Technology Calicut	2025-2026	3972480	1557800
288	LHFIC-Earth: Towards Learned High-Fidelity Image Compression of Earth Observation Data for Onboard Processing	Amrita Vishwa Vidyapeetham	2025-2026	3834236	1744600
289	Algorithmic Study on Graph Modification Problems	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	4693440	2551146

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
290	Theoretical investigation of robust topological quantum channels in novel dissipative phases of matter and their characterisation using quantum information concepts.	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	3013440	1337813
291	Search for antiferromagnetic skyrmions in transition-metal thin films towards spintronic applications	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	6828000	5609333
292	Measuring atmospheric optical turbulence using time-lapse imagery from airborne platforms	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	5701440	2980479
293	Impact of Monsoon Low-Pressure Systems on Extreme Hydrological Events: A Guide to Prediction and Analysis	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	5519520	2766506
294	A Multifunctional Cost-Effective On-Board Power Processor with Wired and Wireless Charging for Electric Vehicles	National Institute Of Technology Calicut	2025-2026	7164480	4154820
295	High-Frequency Design and Implementation of a 1 MHz Dual Active Bridge Converter Using Planar Magnetics	National Institute Of Technology Calicut	2025-2026	5938540	3178440

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
296	EDGE-COMPUTING ASSISTED BLOCK-CHAIN BASED CYBER RESILIENCY ENHANCEMENT OF INTEGRATED TRANSMISSION AND DISTRIBUTION SYSTEMS	National Institute Of Technology Calicut	2025-2026	6462480	4154160
297	Expanding The Chemical Space of Single Atom Photobiocatalysis: The Perovskite Halide Heterojunctions for Hard-To-Treat Lung Biofilm Infections (PeV_BioCat)	Mahatma Gandhi University	2025-2026	5775360	3125000
298	Designing soluble bispecific T-Cell receptors for an adaptable and plug-and-play strategy	Indian Institute Of Technology Palakkad	2025-2026	6959760	4586450
299	Decoding interactions of dengue virus proteins with human ion channels for alternative therapeutic strategies and drug repurposing using machine learning based approach	Institute Of Advanced Virology	2025-2026	4092440	1364150
300	Elucidating the role of innate immune complement factor C9 in neurodevelopment and circadian behaviour	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	7050480	3366830
301	Development of all carbon microheaters for in situ Scanning Electron Microscopy	National Institute Of Technology Calicut	2025-2026	6080222	3567042

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
302	Copula-based nonparametric inference for dependence properties	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	2857440	
303	Norm estimates for operators on non-commutative L_p -spaces and isometries on non-commutative L_p -spaces	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	2869440	1089813
304	Investigation of Ultrasonic Cavitation-Assisted Surface Finishing Process for Additively Manufactured Components	National Institute Of Technology Calicut	2025-2026	5894056	3198561
305	Marine Bio prospecting: Discovering Novel Marine Natural Products with Anticancer Activities from Marine Associated Microbes	Mahatma Gandhi University	2025-2026	7197360	3999119
306	Development of a Nipah Virus Minigenome System Suitable for Biosafety Level (BSL)-2 Facilities Using the Genome Sequence of Nipah Virus Isolated in India and Investigation of Host Proteins Role in Viral Replication and Transcription Using the Nipah Virus Minigenome	Indian Institute Of Technology Palakkad	2025-2026	6949440	2516500

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
307	Development and Industrial scale-up of novel broad spectrum Antimicrobial Peptides and Compounds from Pseudomonas Sp. UV AK001 against ESKAPE pathogens.	Central University Of Kerala	2025-2026	6375330	3442480
308	Holocene sea level fluctuations and geomorphic changes in the Lakshadweep Archipelago, Arabian Sea: Insights from mangrove sediments and exposed coral boulders	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	5531040	2663500
309	Real-Time Adaptive QoS Optimization in 6G-Enabled V2X Communication for Smart Cities Using EdgeAI Intelligence	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	4441440	2415000
310	Convergence analysis of Adaptive finite element methods for optimal control problems	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	6393328	1438484
311	Development of Structure-Preserving and Data-Driven Numerical Schemes for Weak and Measure-Valued Solutions of Conservation Laws	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	2100000	820000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
312	Near-Infrared Cross Section Measurements of Atmospheric Pollutants of Health and Climate Impacts and their Atmospheric Distribution	National Institute Of Technology Calicut	2025-2026	9732480	6890000
313	A machine learning algorithm for ranking cell line specific synthetic lethality predictions	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	6048240	2349410
314	Novel Role of Immunoregulatory ADAM17 in Senescence-Induced Human Vascular Endothelial Barrier Disruption and Impaired Repair: An In Vitro Study with Primary Cells and Predictive Modeling for Insights Unattainable by Wet-Lab Capabilities	National Institute Of Technology Calicut	2025-2026	3888480	1296160
315	Development of a Catalyst System for Sustainable C₈-C₁₈ Liquid Fuel Production from Lignocellulosic Biomass and Real-Time Performance Evaluation in CI Engines	National Institute Of Technology Calicut	2025-2026	6252480	3077493
316	Creep Behaviour of Helical and Grouted Soil Nails in Lateritic Soils Incorporating Rainfall-Induced Moisture Variation	Indian Institute Of Technology Palakkad	2025-2026	5602540	3162570

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
317	Dual Polarized Ambidextrous Aperture Spiral Antennas (DP-AMSA) using Substrate Integrated Suspended Line (SISL)	National Institute Of Technology Calicut	2025-2026	5400480	3033492
318	AI-Driven Multimodal Vision System for Rubber Tapping Optimization Using RGB, Thermal, and 3D Imaging in Kerala Plantations	Indian Institute Of Information Technology, Kottayam	2025-2026	4236813	1745256
319	Fabrication of highly ordered and active-site rich electrocatalytic multicomponent nano-architectures using photo-controlled colloidal crystallisation	National Institute Of Technology Calicut	2025-2026	8644771	5670576
320	Quadruple Critical Point (QCP) in ternary aqueous ketonic system with trace amounts of Ionic Liquids	National Institute Of Technology Calicut	2025-2026	2551148	1897957
321	Self-powered graphene/superionic-Cu ₂ S hybrid p-n heterojunction photodetector enabling visible–near-IR sensing from room-temperature to 500 °C	National Institute Of Technology Calicut	2025-2026	6396266	3551822
322	Synthetic Modelling of Lytic Polysaccharide Monooxygenase (LPMO) Enzymes: Elucidation of the Factors Controlling the Biomass to Biofuel Transformation	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	9517440	5239146

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
323	Understanding the Photoluminescence Properties of Atomically Precise Nanoclusters in Assembly for Solid-State Applications	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	6356160	2118600
324	Development and Characterization of a Cost-Effective Cellulose-Based Matrix for Immunoprecipitation Applications	National Institute Of Technology Calicut	2025-2026	2598000	1324000
325	Deciphering the mechanism underlying the transition of centrosome from its ciliary state to duplication state	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	9577440	3170000
326	Time-Resolved Intermolecular Coulombic Decay in π -Stacked Five-Membered Heterocyclic Dimers: Multifaceted Probing of Non-Covalent and Atom-Centre Influences	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	7336392	5312903
327	Modeling and investigation of fluid-particle flow through a vertical pipe	Indian Institute Of Technology Palakkad	2025-2026	4638720	2012906
328	Partially-cracked ammonia combustor with an integrated catalytic decomposition reactor	Indian Institute Of Technology Palakkad	2025-2026	7357440	4552479

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
329	Residual stresses in biomimetic polymers: non-destructive measurements and implications for wrinkling, buckling, and bulging behaviour	Indian Institute Of Technology Palakkad	2025-2026	9918684	6439406
330	Design, development, and analysis of ring and slotted ring mass-membrane acoustic metamaterials for low frequency sound attenuation	Indian Institute Of Technology Palakkad	2025-2026	9367440	6855813
331	Development of WC-6Co carbide cutting inserts with enhanced in-service heat dissipation and real time temperature monitoring via Material Extrusion based Additive Manufacturing	National Institute Of Technology Calicut	2025-2026	5832480	3204159
332	Skeletal Editing of (Pro)aromatic Compounds to Access Emerging Heterocyclic Scaffolds	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	7800000	4933000
333	Sulfonamide-based sequence-defined polymer with modular architecture and post-synthetic modification: Design, synthesis and its biological and material applications via experimental and in-silico approaches	Indian Institute Of Technology Palakkad	2025-2026	7927440	4309140

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
334	Investigation of Secondary Nucleation in the Supramolecular Polymerization of Nucleoside Appended Chromophores	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	5167440	1722480
335	Understanding ER stress-induced programmed cell death pathway and its role in stress responses of plants	Central University Of Kerala	2025-2026	7889037	3825010
336	Targeting Strigolactone-Regulated Pathways to Optimize Nutrient Uptake and Reduce Fertilizer Reliance in Plants	Mahatma Gandhi University	2025-2026	5509610	2472297
337	Multi-Biomarker Sepsis Detection: Development of Electrochemical Sensors and Point-of-Care Device	National Institute Of Technology Calicut	2025-2026	7272136	3817180
338	Design and NMR Characterization of Peptide-Based Coacervates from Functional Biocondensates for Catalyzing Organic reactions	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	8430106	5093428
339	Positive- Q value neutron transfer and fusion dynamics in low- medium mass nuclei	National Institute Of Technology Calicut	2025-2026	7760221	3141525

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
340	Development of large area position sensitive multi-wire proportional counter detectors in India and study of quasifission cross sections and timescales in reactions populating heavy and super-heavy nuclei.	Central University Of Kerala	2025-2026	11992800	4996160
341	Dynamics of Adaptive Networks	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	7356720	4328906
342	Multi-Scale Computational Approaches for Polarimetric Radiation-Hydrodynamics and Data-Driven Exploration of Gamma Ray Bursts (GRBs)	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	10137098	6788845
343	Development and Experimental Validation of a Novel Robust Predictive Control Framework for High-Frequency Switched Programmable Power Supplies	National Institute Of Technology Calicut	2025-2026	6712694	5233505
344	DEVELOPMENT OF A DIAGNOSTIC APPARATUS AND EXPERT SYSTEM FOR POWER TRANSFORMER INSULATION BASED ON FREQUENCY DOMAIN SPECTROSCOPY MEASUREMENTS	National Institute Of Technology Calicut	2025-2026	6383221	2842774

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
345	Design and development of a reliable power swing detection scheme for inverter based resource integrated transmission system	Indian Institute Of Technology Palakkad	2025-2026	9701868	7203082
346	A Compound Flood Modelling Framework for Real-Time Forecasting and Long-Term Assessment under Climate and Urbanization Scenarios in Kochi City	Indian Institute Of Technology Palakkad	2025-2026	5849922	2863000
347	DEVELOPMENT OF POLYMER OPTICAL FIBER BASED DIRECTIONAL RANDOM LASERS FOR SPECKLE-FREE IMAGING	Cochin University Of Science And Technology	2025-2026	6564480	3547000
348	Elucidating the Role of Protein Arginine Methyltransferases in Seed Development and Agronomically Important Seed Trait Regulation.	Indian Institute Of Science Education And Research, Thiruvananthapuram	2025-2026	6888000	3522500
349	Systematic studies of the genus Lagenandra Dalzell (Araceae) in India	Malabar Botanical Garden G.A. College	2025-2026	4528480	2166400

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
350	Transformative Initiatives in Quantum Sciences & Technologies	Central University Of Kerala	2025-2026	27500000	460000
TOTAL				446974119	224033491
INDIAN COUNCIL OF AGRICULTURAL RESEARCH (ICAR)					
Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
1	Risk assessment of nanoparticle accumulation in soils: Effects of metal oxide nanoparticles on soil bacterial communities, soil microbial processes and evaluation of phytotoxicity using genomic approaches	National Institute of Technology, Calicut	2021-22	210000	4070
2	All India Coordinated Research Project on Poultry Breeding	College of Veterinary Science, Kerala Veterinary and Animal Sciences University, Mannuthy – 680 651, Thrissur, Kerala	2021-22	8133000	8133000
3	Field Progeny Testing Project (FPT) of Frieswal bulls	Kerala Veterinary and Animal Sciences University,	2021-22	4262000	4262000
4	AICRP on Pig	Kerala Veterinary and Animal Sciences University,	2021-22	6850000	6850000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
5	Dr. K. P. Sudhir ICAR- National Fellow Scheme	Kerala Veterinary and Animal Sciences University,	2021-22	7240913	7240913
6	Network Project on Harvesting, Processing and Value-Addition of Natural Resins and Gums	Kerala Agricultural University (KAU), Thrissur	2021-22	1062000	1062000
7	AICRP on Irrigation Water Management	Kerala Agricultural University, Thrissur	2021-22	7539000	7539000
8	AICRP on Agroforestry	KAU, Thrissur	2021-22	5555000	5555000
9	AICRP on Weed Management	Kerala Agricultural University, Thrissur	2021-22	4767000	4767000
10	All India Coordinated Research Project on Micro and Secondary Nutrients and Pollutant Elements in Soil and Plants	Kerala Agricultural University, Thrissur	2021-22	2833000	2833000
11	AICRP on Management of Saline Water & Associated Salinization in Agriculture	Kerala Agricultural University, Thrissur (Centre: Rice Research Station, Vytilla)	2021-22	460000	460000
12	AICRP on STCR	KAU, Vellanikkara	2021-22	2240000	2240000
13	All India Network Project on soil Biodiversity Biofertilizers	Keralla Agricultural University	2021-22	2500000	1800000
TOTAL				53651913	52745983

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
14	Risk assessment of nanoparticle accumulation in soils: Effects of metal oxide nanoparticles on soil bacterial communities, soil microbial processes and evaluation of phytotoxicity using genomic approaches	National Institute of Technology, Calicut	2022-23	183750	83592
15	Development of small molecular weight bioactives and polysaccharides from marine and coastal bivalves to develop prospective nutraceutical products	KVASU, Mannuthy, Thrissur	2022-23	1469622	1469672
16	CRISPR Crop Network: Targeted improvement of stress tolerance, nutritional quality and yield of crops by using genome editing	IISER, Thiruvananthapuram	2022-23	986250	986250
17	All India Coordinated Research Project on Poultry Breeding	College of Veterinary Science, Kerala Veterinary and Animal Sciences University, Mannuthy – 680 651, Thrissur, Kerala	2022-23	6240000	6240000
18	Field Progeny Testing Project (FPT) of Frieswal bulls	Kerala Veterinary and Animal Sciences University	2022-23	3889000	3889000
19	AICRP on Pig	Kerala Veterinary and Animal Sciences University	2022-23	6415000	6415000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
20	Dr. K. P. Sudhir ICAR- National Fellow Scheme	Kerala Veterinary and Animal Sciences University	2022-23	4392000	4392000
21	Network Project on Harvesting, Processing and Value-Addition of Natural Resins and Gums	Kerala Agricultural University (KAU), Thrissur	2022-23	1225000	1225000
22	AICRP on Irrigation Water Management	Kerala Agricultural University, Thrissur	2022-23	7500000	7500000
23	AICRP on Agroforestry	KAU, Thrissur	2022-23	4505000	4505000
24	AICRP on Weed Management	Kerala Agricultural University, Thrissur	2022-23	7322000	7088000
25	All India Coordinated Research Project on Micro and Secondary Nutrients and Pollutant Elements in Soil and Plants	Kerala Agricultural University, Thrissur	2022-23	2980000	2980000
26	AICRP on Management of Saline Water & Associated Salinization in Agriculture	Kerala Agricultural University, Thrissur (Centre: Rice Research Station, Vytilla)	2022-23	330000	330000
27	AICRP on STCR	KAU, Vellanikkara	2022-23	4651000	4651000
28	All India Network Project on soil Biodiversity Biofertilizers	Keralla Agricultural University	2022-23	2100000	1400000
TOTAL				54188622	53154514

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
29	Risk assessment of nanoparticle accumulation in soils: Effects of metal oxide nanoparticles on soil bacterial communities, soil microbial processes and evaluation of phytotoxicity using genomic approaches	National Institute of Technology, Calicut	2023-24	21000	0
30	Development of small molecular weight bioactives and polysaccharides from marine and coastal bivalves to develop prospective nutraceutical products	KVASU, Mannuthy, Thrissur	2023-24	1048908	1048908
31	CRISPR Crop Network: Targeted improvement of stress tolerance, nutritional quality and yield of crops by using genome editing	IISER, Thiruvananthapuram	2023-24	565908	532428
32	Development of smart foods, bio-composites, Green packaging and bio-energy from Agro-residues	CIPET, IPT, Kochi	2023-24	3191750	3156750
33	All India Coordinated Research Project on Poultry Breeding	College of Veterinary Science, Kerala Veterinary and Animal Sciences University, Mannuthy – 680 651, Thrissur, Kerala	2023-24	6650000	6650000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
34	Network Project on ANGR	College of Veterinary Science, Kerala Veterinary and Animal Sciences University, Mannuthy – 680 651, Thrissur, Kerala	2023-24	1100000	1100000
35	Field Progeny Testing Project (FPT) of Frieswal bulls	Kerala Veterinary and Animal Sciences University,	2023-24	4608881	4608881
36	AICRP on Pig	Kerala Veterinary and Animal Sciences University,	2023-24	5571000	5571000
37	Network Project on Harvesting, Processing and Value-Addition of Natural Resins and Gums	Kerala Agricultural University (KAU), Thrissur	2023-24	1150000	781500
38	AICRP on Irrigation Water Management	Kerala Agricultural University, Thrissur	2023-24	9065000	9065000
39	AICRP on Agroforestry	KAU, Thrissur	2023-24	5530000	5530000
40	AICRP on Weed Management	Kerala Agricultural University, Thrissur	2023-24	3843000	3843000
41	All India Coordinated Research Project on Micro and Secondary Nutrients and Pollutant Elements in Soil and Plants	Kerala Agricultural University, Thrissur	2023-24	1475000	1475000
42	AICRP on Management of Saline Water & Associated Salinization in Agriculture	Kerala Agricultural University, Thrissur (Centre: Rice Research Station, Vytilla)	2023-24	390000	390000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
43	AICRP on STCR	KAU, Vellanikkara	2023-24	5383000	5383000
44	All India Network Project on soil Biodiversity Biofertilizers	Keralla Agricultural University	2023-24	3200000	3100000
TOTAL				52793447	52235467
45	Development of small molecular weight bioactives and polysaccharides from marine and coastal bivalves to develop prospective nutraceutical products	KVASU, Mannuthy, Thrissur	2024-25	608706	608707
46	CRISPR Crop Network: Targeted improvement of stress tolerance, nutritional quality and yield of crops by using genome editing	IISER, Thiruvananthapuram	2024-25	908166	590004.3
47	Development of smart foods, bio-composites, Green packaging and bio-energy from Agro-residues	CIPET, IPT, Kochi	2024-25	1218629	1118629
48	All India Coordinated Research Project on Poultry Breeding	College of Veterinary Science, Kerala Veterinary and Animal Sciences University, Mannuthy – 680 651, Thrissur, Kerala	2024-25	8574000	8574000
49	Network Project on ANGR	College of Veterinary Science, Kerala Veterinary and Animal Sciences University, Mannuthy – 680 651, Thrissur, Kerala	2024-25	1000000	1000000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
50	Field Progeny Testing Project (FPT) of Frieswal bulls	Kerala Veterinary and Animal Sciences University,	2024-25	12775000	12775000
51	AICRP on Pig	Kerala Veterinary and Animal Sciences University,	2024-25	8305000	8305000
52	Network Project on Harvesting, Processing and Value-Addition of Natural Resins and Gums	Kerala Agricultural University (KAU), Thrissur	2024-25	1050000	960000
53	AICRP on Irrigation Water Management	Kerala Agricultural University, Thrissur	2024-25	8735000	8735000
54	AICRP on Agroforestry	KAU, Thrissur	2024-25	5514000	5514000
55	AICRP on Weed Management	Kerala Agricultural University, Thrissur	2024-25	3909000	3909000
56	All India Coordinated Research Project on Micro and Secondary Nutrients and Pollutant Elements in Soil and Plants	Kerala Agricultural University, Thrissur	2024-25	2985000	2985000
57	AICRP on Management of Saline Water & Associated Salinization in Agriculture	Kerala Agricultural University, Thrissur (Centre: Rice Research Station, Vytilla)	2024-25	645000	645000
58	AICRP on STCR	KAU, Vellanikkara	2024-25	5838000	5838000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
59	All India Network Project on soil Biodiversity Biofertilizers	Keralla Agricultural University	2024-25	2700000	2700000
60	All India Network Project on Ornamental Fish Breeding and Culture	KUFOS, Kochi	2024-25	1700000	1700000
TOTAL				66465501	65957340.3
61	Development of small molecular weight bioactives and polysaccharides from marine and coastal bivalves to develop prospective nutraceutical products	KVASU, Mannuthy, Thrissur	2025-26	252330	252330
62	CRISPR Crop Network: Targeted improvement of stress tolerance, nutritional quality and yield of crops by using genome editing	IISER, Thiruvananthapuram	2025-26	406583	391583
63	Development of smart foods, bio-composites, Green packaging and bio-energy from Agro-residues	CIPET, IPT, Kochi	2025-26	1055645	1055645
64	All India Coordinated Research Project on Poultry Breeding	College of Veterinary Science, Kerala Veterinary and Animal Sciences University, Mannuthy – 680 651, Thrissur, Kerala	2025-26	8634000	8634000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
65	Network Project on ANGR	College of Veterinary Science, Kerala Veterinary and Animal Sciences University, Mannuthy – 680 651, Thrissur, Kerala	2025-26	950000	250000
66	Field Progeny Testing Project (FPT) of Frieswal bulls	Kerala Veterinary and Animal Sciences University,	2025-26	8406250	8406250
67	AICRP on Pig	Kerala Veterinary and Animal Sciences University,	2025-26	800000	800000
68	Network Project on Harvesting, Processing and Value-Addition of Natural Resins and Gums	Kerala Agricultural University (KAU), Thrissur	2025-26	740000	728000
69	AICRP on Irrigation Water Management	Kerala Agricultural University, Thrissur	2025-26	9946920	9946920
70	AICRP on Agroforestry	KAU, Thrissur	2025-26	6819000	6819000
71	National Mission on Natural Farming-Competitive Research Grant	College of Agriculture, Vellayani under Kerala Agricultural University, Thrissur	2025-26	1620000	1539000
72	National Mission on Natural Farming-Competitive Research Grant	Kerala Agricultural University, Thrissur	2025-26	1800000	1710000
73	AICRP on Weed Management	Kerala Agricultural University, Thrissur	2025-26	4360000	4268000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
74	All India Coordinated Research Project on Micro and Secondary Nutrients and Pollutant Elements in Soil and Plants	Kerala Agricultural University, Thrissur	2025-26	2505000	2505000
75	AICRP on Management of Saline Water & Associated Salinization in Agriculture	Kerala Agricultural University, Thrissur	2025-26	486000	486000
76	AICRP on STCR	KAU, Vellanikkara	2025-26	5447000	5447000
77	All India Network Project on soil Biodiversity Biofertilizers	Keralla Agricultural University	2025-26	3500000	3000000
78	All India Network Project on Ornamental Fish Breeding and Culture	KUFOS, Kochi	2025-26	2600000	2600000
79	All India Network Project on Ornamental Fish Breeding and Culture	KUFOS, Kochi	2025-26	2000000	2000000
TOTAL				62328728	60838728
DEPARTMENT OF BIOTECHNOLOGY (DBT)					
Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
1	Bioprospecting of Marine microbial diversity for various products under the Marine Bioresource and Biotechnology Network Programme (BT/PR41474/NDB/39/760/2020)	Cochin University of Science and Technology	2021-22	8304160.00	8304160.00

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
2	Cell and Developmental Biology of Marine Organisms under Marine Bioresource and Biotechnology Network Programme (BT/PR40452/NDB/39/750/2020)	Cochin University Of Science & Technology	2021-22	30122560.00	30122560.00
3	Drug-eluting Polymer Brain Implant for Treating Glioblastoma (BT/ATGC/127/SP38429/2020)	Amrita Centre for Nanosciences and Molecular Medicine	2021-22	40114960.00	37702960.00
4	Functional Analysis of putative S genes in pomegranate bacterial blight interaction (BT/PR32159/AGIII/103/1133/2019)	Central University Kerala	2021-22	6322600.00	6217906.00
5	Profiling the epigenetic signatures induced in plants by the dung of indigenous cow varieties (BT/PR43133/AAQ/1/822/2021)	Central University Kerala	2021-22	3967600.00	3712934.00
6	Strengthening Component of the Star College Program	Newman College, Thodupuzha, Idukki, Kerala	2021-22	6300000.00	6300000.00
7	Strengthening Component of the Star College Program	The Cochin College, Koovapadam, Cochin, Ernakulam, Kerala	2021-22	8200000.00	6800000.00

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
8	Strengthening Component of the Star College Program	Sree Narayana College, Kollam, Kerala	2021-22	10400000.00	8520467.00
9	Unravelling signatures of growth and salinity adaptation in <i>Etroplus suratensis</i> through omics approaches (BT/PR34518/AAQ/3/965/2019)	Kerala University of Fisheries and Ocean Studies	2021-22	1110000.00	370000.00
10	Unrevealing the entry mechanism of Tick-borne Kyasanur Forest diseases Virus (BT/PR32565/MED/29/1554/2020)	Indian Institute of Science Education and Research, Trivandrum	2021-22	3193000.00	3193000.00
TOTAL				118034880.00	111243987.00
11	Antibacterial, Angiogenic and Osteogenic Bone Cement Beads for the Treatment of Periodontal Infections and Simultaneous Regeneration (BT/PR42101/MED/32/789/2021)	Amrita Institute of Medical Sciences and Research Centre	2022-23	5229960.00	4971267.00
12	Star College Program	Bharata Mata College, Thrikkakara, Ernakulam, Kochi,	2022-23	8065008.00	6665008.00
13	Chromosomal features governing crossover pathway choice (BT/PR41371/BRB/10/1958/2020)	Indian Institute of Science Education and Research, Trivandrum	2022-23	5794760.00	4694920.00

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
14	Diversity, Molecular Characterisation and GIS Mapping of ticks in Wayanad wild life sanctuary and the role of environmental nurture and microbial consortia in Kyasanur Forest Disease (KFD) emergence (BT/PR39753/FCB/125/95/2020)	University of Calicut	2022-23	3465203.00	1732203.00
15	Star College Program	Farook College, Kozhikode Kerala-	2022-23	12242998.00	8042998.00
16	Star College Program	Providence Women's College, Kozhikode	2022-23	12300000.00	6075000.00
17	The Strengthening Component of the Star College Program	Government College for Women, Thiruvananthapuram	2022-23	10222596.00	10134888.00
18	The Strengthening Component of the Star College Program	Sree Narayana College Nattika, Thriprayar	2022-23	8200000.00	8200000.00
19	Understanding the role of energy producing metabolic pathways on hematopoietic emergence in mouse (BT/PR30459/MED/31/449/2021)	Indian Institute of Science Education and Research, Trivandrum	2022-23	8973240.00	9509760.00
TOTAL				74493765.00	60026044.00
20	A Neuroimaging tool for differential diagnosis of vascular dementia using MR oxymetry with proprietary field corrections. (BT/PR42840/MED/122/306/2021)	Kerala University of Digital Sciences, Innovation and Technology	2023-24	5705520.00	3323359.00

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
21	Biomimetic Non-Degradable Nanotextile Meshes For Pelvic Floor Reconstruction (BT/PR48605/MED/32/872/2023)	Amrita Centre for Nanosciences and Molecular Medicine	2023-24	3674600.00	3382280.00
22	Development of haploid inducer stocks in indica rice through genetic manipulation of CENH3 and MTL genes using genome editing approach (BT/PR38412/GET/119/312/2020)	Indian Institute of Science Education and Research Thiruvananthapuram	2023-24	3332960.00	0.00
23	Establishment of NIDAN Kendra (BT/PR40782/MED/12/907/2021)	Government Medical College Trivandrum	2023-24	10608557.00	5741597.00
24	Establishment of DBT-NIDAN Kendra at Government Medical College, Kozhikode (BT/PR40787/MED/12/896/2021)	Government Medical College, Kozhikode	2023-24	10608960.00	3536320.00
25	Genome editing in bovine embryo: optimization and generation of targeted genetic variant (BT/PR46677/AAQ/1/960/2022)	Indian Institute of Science Education and Research Thiruvananthapuram	2023-24	5990000.00	5462000.00
26	Quantifying ecosystem services provided by native bees to forests and adjacent cropland: towards a sustainable forest-farm network. (BT/PR39693/FCB/125/96/2020)	Indian Institute of Science Education and Research Thiruvananthapuram	2023-24	4053490.00	4053490.00

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
27	Test-tube Model Rapid and Accelerated Biodegradation (RAB) of Bioplastic (BT/PR48101/BCE/8/1808/2023)	Indian Institute of Science and Education Research- Trivandrum	2023-24	1450880.00	1088160.00
TOTAL				45424967.00	26587206.00
28	3D bioprinting with plant-based bioinks for developing tissue/organ biomimicking scaffolds for improving osteogenesis. (BT/PR50543/MED/32/970/2023)	National Institute of Technology Calicut	2024-25	2652000.00	1918000.00
29	Development of a decentralized technique for the bioremediation of plastic waste using plastic eating insects larvae (BT/PR48086/BCE/8/1804/2023)	Cochin University Of Science & Technology	2024-25	3728920.00	2864280.00
30	Development of multimodal optical coherence tomography ultrasound MEMS technology-based microscopic-resolution photoacoustic elastography (OCT-US-MEMS-μPAE) imaging system: a validation study for ophthalmic diagnosis and therapeutic treatments (BT/PR50627/MED/32/993/2023)	Indian Institute of Science Education and Research, Trivandrum	2024-25	37484480.00	28560160.00

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
31	National Network Project of Tamil Nadu Agricultural University, Coimbatore (BT/PR40237/BTIS/137/79/2023)	Central University Of Kerala	2024-25	1724000.00	708000.00
32	The recruitment of the γ-TuRC to the Sas-6 cartwheel for centriole microtubule assembly (IC-12025(22)/2/2023-ICD-DBT)	Indian Institute of Science and Education Research- Trivandrum	2024-25	12846800.00	9600080.00
33	Strengthening Component of the Star College Program	Kuriakose Elias College, Mannanam, Kottayam	2024-25	12791911.00	8191911.00
34	The Strengthening Component of the Star College Program	MES Mampad College, Malappuram-	2024-25	12854620.00	8254620.00
35	The Strengthening Component of the Star College Program	Sanatana Dharma College, Alappuzha, Kerala	2024-25	18710316.00	11710316.00
36	The Strengthening Component of the Star College Program	Alphonsa College Pala, Kottayam	2024-25	12673222.00	8073222.00
37	Translational Significance of GMF-β Inhibition by Indazole-4-yl methanol (GMFBI.1) in suppressing the immunopathology associated with diabetic retinopathy in STZ rat models. (BT/PR50161/CMD/150/107/2023)	Amrita Institute Of Medical Sciences And Research Center	2024-25	8677400.00	5961400.00

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
38	Understanding the contribution of chromatin remodellers to epilepsy (BT/PR52416/BMS/85/208/2024)	Indian Institute of Science Education and Research Thiruvananthapuram	2024-25	6829600.00	6795800.00
39	Understanding the role of highly expressed in cancer 1 (Hec1) in controlling expanded organization of kinetochore and its link to mitotic checkpoint signaling (BT/PR53720/BMS/85/235/2024)	Indian Institute of Science Education and Research, Trivandrum	2024-25	8534160.00	5344720.00
TOTAL				139507429.00	97982509.00
40	Biofabrication of human bone organoids with vascularized and innervated bone marrow niche for modeling hematological disorders and validation of therapeutics (BT/PR52072/MED/31/497/2024)	Amrita Centre for Nanosciences and Molecular Medicine	2025-26	8222875.00	3085595.00
41	Cell geometry based computational modeling for morphogenesis during plant regeneration (BT/PR53808/BID/7/1059/2024)	Indian Institute of Science Education and Research, Trivandrum	2025-26	5158572.00	2025838.00
42	Decentralized Federated Learning-assisted Irrigation Scheduling and Food Sustainability for Paddy Field in Fog Network (BT/PR49045/AI/133/145/2023)	Indian Institute of Science and Education Research- Trivandrum	2025-26	5196760.00	2530120.00

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
43	Developing chimeric monoclonal antibodies for treating life-threatening invasive fungal infections, with cryptococcal meningitis as a pathogenic model (BT/PR62183/MRNAR/169/14/2025)	IIT Palakkad	2025-26	5035960.00	2705480.00
44	Development of rotating packed bed reactor for carbon capture using a novel enzyme based solvent (BT/PR60039/CCU/173/30/2025)	National Institute of Technology, Calicut	2025-26	7218840.00	5594920.00
45	Explainable Artificial Intelligence for Detection of Borderline Glaucoma and Definitive Glaucoma Cases for Effective Patient Referral and Treatment Planning (BT/PR53679/AI/133/197/2024)	Amrita Vishwa Vidyapeetham (Amrita University)	2025-26	5147140.00	2465700.00
46	Investigation of a novel spatio-temporal unwrapping error reduction algorithm on clinical feature extraction in SWI	Indian Institute Of Information Technology And Management-Kerala	2025-26	2856000.00	919520.00
47	Star College Program	Mar Ivanios College, Thiruvananthapuram	2025-26	18123220.00	7311610.00
48	NSF-DBT: Development of a synthetic transhydrogenation module to support stationary phase biosynthesis (IC-	Indian Institute of Science Education and Research Thiruvananthapuram	2025-26	18745120.00	13967840.00

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
49	NSF-DBT: PlantSynBio: Plant Minichromosome Engineering	Indian Institute of Science Education and Research Thiruvananthapuram	2025-26	7874830.00	3185390.00
50	The contribution of cross-species innate immune responses to the host control of Q-fever	Indian Institute of Science Education and Research Thiruvananthapuram	2025-26	16750923.00	6487643.00
51	Understanding source-sink interaction for improved yield in sweet sorghum using multiscale modeling	Indian Institute of Science Education and Research Thiruvananthapuram	2025-26	5786799.00	3705229.00
TOTAL				106117039.00	53984885.00
DEPARTMENT OF SCIENCE AND TECHNOLOGY (DST) – INFRASTRUCTURE SUPPORT					
Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
1	(DST-FIST) Fund for Improvement of S&T [Science & Technology] Infrastructure	St.Teresas College, Park Avenue, Ernakulam Kochi, Kerala-682035	2021-22	8000000	3600000
2	(DST-FIST) Fund for Improvement of S&T [Science & Technology] Infrastructure	Department of Chemical Engineering, National Institute of Technology, Calicut - 673601 Kerala	2021-22	6800000	6000000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
3	(DST-FIST) Fund for Improvement of S&T [Science & Technology] Infrastructure	Farook College (Autonomous), Kozhikode .P.O, Kerala-673632	2021-22	9300000	4250000
4	(DST-FIST) Fund for Improvement of S&T [Science & Technology] Infrastructure	TKM College of Engineering, Kollam, Kerala - 691005	2021-22	6900000	2600000
5	(DST-FIST) Fund for Improvement of S&T [Science & Technology] Infrastructure	School of Materials Science And Engineering, National Institute of Technology Calicut, Kerala - 673601	2021-22	21200000	19200000
6	(DST-FIST) Fund for Improvement of S&T [Science & Technology] Infrastructure	School of Mathematics, Indian Institute of Science Education and Research, Thiruvananthapuram, Kerala - 695551	2022-23	8850000	8350000
7	(DST-FIST) Fund for Improvement of S&T [Science & Technology] Infrastructure	Rajagiri School of Engineering And Technology, Rajagiri, Ernakulam , Kerala - 682039	2022-23	4000000	2625000
8	(DST-FIST) Fund for Improvement of S&T [Science & Technology] Infrastructure	Department of Mechanical Engineering, Indian Institute of Technology Palakkad, Palakkad, Kerala - 678557	2022-23	16800000	15000000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
9	(DST-SAIF) Sophisticated Analytical Instrument Facility	Sophisticated Analytical Instrument Facility, Mahatma Gandhi University, Kottayam	2022-23	--	7100000
10	(DST-FIST) Fund for Improvement of S&T [Science & Technology] Infrastructure	Department of Geology, University of Kerala, Thiruvananthapuram, Kerala - 695034	2023-24	12500000	10300000
11	(DST-FIST) Fund for Improvement of S&T [Science & Technology] Infrastructure	Department of Botany, University of Kerala, Thiruvananthapuram, Kerala - 695034	2023-24	18500000	15600000
12	(DST-PURSE) Promotion of University Research and Scientific Excellence	University of Calicut, Thenjipalam, Thrissur, Kerala - 673635	2023-24	106056160	79703600
13	(DST-FIST) Fund for Improvement of S&T [Science & Technology] Infrastructure	Department of Zoology, Central University of Kerala, Periya, Kasaragod, Kerala - 671316	2023-24	16800000	15000000
14	(DST-FIST) Fund for Improvement of S&T [Science & Technology] Infrastructure	T.K Madhava Memorial College, Nangiarkulangara, Alappuzha, Kerala - 650513	2023-24	5800000	3975000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
15	(DST-FIST) Fund for Improvement of S&T [Science & Technology] Infrastructure	Alphonsa College Pala, Arunapuram P O Kottayam District Pala Kerala - 686574	2024-25	7400000	5100000
16	(DST-FIST) Fund for Improvement of S&T [Science & Technology] Infrastructure	Sanatana Dharma College, Alappuzha, Kerala - 688003	2024-25	7900000	5400000
17	(DST-FIST) Fund for Improvement of S&T [Science & Technology] Infrastructure	Nirmala College, Muvattupuzha, Ernakulam, Kerala - 686661	2024-25	6400000	4425000
18	(DST-FIST) Fund for Improvement of S&T [Science & Technology] Infrastructure	Sree Narayana College, Sivagiri Varkala Thiruvananthapuram, Kerala - 695145	2024-25	8400000	5775000
19	(DST-FIST) Fund for Improvement of S&T [Science & Technology] Infrastructure	Department of Electrical Engineering, National Institute of Technology Calicut, Calicut, Kozhikode, Kerala - 673601	2024-25	18400000	15000000

Sl. No	Name & Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
20	(DST-FIST) Fund for Improvement of S&T [Science & Technology] Infrastructure	Vimala College (Autonomous), Thrissur, Kerala - 680009	2024-25	8400000	5625000
21	(DST-FIST) Fund for Improvement of S&T [Science & Technology] Infrastructure	ST. Josephs College Irinjalakuda, Thrissur, Kerala- 680121	2025-26	7200000	4950000
22	(DST-FIST) Fund for Improvement of S&T [Science & Technology] Infrastructure	PMS College of Dental Science Research, Thiruvananthapuram, Kerala - 695028	2025-26	10400000	7125000
23	(DST-SAIF) Sophisticated Analytical Instrument Facility	Sophisticated Analytical Instrument Facility, Sophisticated Test and Instrumentation Center, CUSAT Kochi	2025-26	--	40000000
24.	(DST-FIST) Fund for Improvement of S&T [Science & Technology] Infrastructure	Department of Physics, Cochin University of Science and Technology, Kochi, Ernakulam, Kerala - 682022	2025-26	16000000	13538417
TOTAL				332006160	300242017

SCIENTIFIC INSTITUTIONS IN KERALA FUNDED BY THE GOVERNMENT DURING THE LAST FIVE YEARS**COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH (CSIR)**

<i>Sl. No.</i>	<i>Details of the Research Project</i>	<i>Details of Centres of Excellence and Scientific Institutions</i>	<i>Financial Year</i>	<i>Funds Sanctioned (In Rs)</i>	<i>Funds Released (In Rs)</i>
1	Development of pineapple leaf based biodegradable straw and paper food packaging containers (tea, coke, ice cream cups & popcorn box)	CSIR- National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)	2021-22	2142000	2000800
2	Prospecting iminosugars from tubers of Kerala: Identification, isolation, characterization and their role in glycemic control and antiinfection	CSIR-NIIST	2021-22	4439100	3551000
3	Development of edible and bio degradable food packaging containers and cutleries from senile coconut wood, coconut milk residue and coconut de-oiled cake	CSIR-NIIST	2021-22	1581400	1581400
4	Technological intervenation for value addition of polyherbal spent materials ayuevedic industries	CSIR-NIIST	2021-22	4249300	3763200
5	Coconut nera sugar and its Glycemic index (GI) and Glycemic load (GL) studies	CSIR-NIIST	2021-22	1015300	1014400

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
6	Design and fabrication of a cooling die to control the microstructure of plant- based meat analogues	CSIR-NIIST	2021-22	2535000	2190900
7	Exploration of exosomal and non-exosomal microrn As from grapes against triple negative breast cancer	CSIR-NIIST	2021-22	4017800	3100700
8	Biotechnological approaches promising grains and food free of Fusarium mycotoxins	CSIR-NIIST	2021-22	3294100	2147700
9	Assembly of synthetic cell in a microfluidic system with tunable membrane potential	CSIR-NIIST	2021-22	3500000	2114500
10	Synthesis and photo physical study of hybrid perovskite materials for high efficiency electronic and optoelectronic devices	CSIR-NIIST	2021-22	3282000	2543800
11	Design and development of Nove; Nucleoside analogues as broad spectrum viral RNA polymerase inhibitors	CSIR-NIIST	2021-22	1120000	1120000
12	Mixed-dimensional and hybrid bilayered perovskites for high stability and high efficiency photovoltaic devices	CSIR-NIIST	2021-22	2106700	1806700

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
13	Lead free hybrid perovskites incorporated with organic charge-transfer complexes for photovolataic application	CSIR-NIIST	2021-22	3738000	1869100
14	Phytotherapeutic approach for the management of Benign prostatic hyperplasia: A multifaceted targetspecific inhibition of selective alpha -adrenergic receptor, 5-alpha-reductase and phosphodiesterase type 5	CSIR-NIIST	2021-22	4739800	4375300
15	Development of a sandwich model magnetic capture system for the detection of pancratic cancer biomarkers in serum by SERS based immune assay	CSIR-NIIST	2021-22	4485700	4616900
16	An integrated target specific inhibition of Acetylcholinesterase, phosphodiesterase-5 and Amyloid-Beta aggregation for Alzheimer's disease through phytotherapeutic approach	CSIR-NIIST	2021-22	3630000	2420500

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
17	Organic-inorganic hybrid nanomaterials for non-conventional energy technologies	CSIR-NIIST	2021-22	20029300	17290900
18	Tuning electrochemical pathways in new-generation electrochromic materials for secondary energy-sourcing	CSIR-NIIST	2021-22	3317300	2430000
19	Base controlled diversity synthesis of spiro-indolinone hybrids of medicinal relevance	CSIR-NIIST	2021-22	3818300	3116700
20	Development of LTCC tapes and compatible gold pastes for space application	CSIR-NIIST	2021-22	4924000	3453700
21	Design and development of flexible polymer/biopolymer based aerogels for thermal and acoustic insulation	CSIR-NIIST	2021-22	3002700	2774200
22	Synthesis and development of multifunctional benzoxazines from agro residues and its polymer composites as high performance materials	CSIR-NIIST	2021-22	3950500	3620000
23	Copper coating on epoxy carbon composite for radio frequency reflector antennas	CSIR-NIIST	2021-22	2872100	2149100

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
24	Indigenization of printable conductive gold technologies for electronic applications	CSIR-NIIST	2021-22	6079000	6898900
25	Automation and AI/ML assisted development of solid state battery technology (WP:NMC cathode for Li-ion battery)	CSIR-NIIST	2021-22	4945000	4888800
26	Advanced near net shape manufacturing technology of aluminium alloy and composite components for thermal management applications	CSIR-NIIST	2021-22	46058400	44591000
27	Low-cost conductive inks for affordable RFID Applications	CSIR-NIIST	2021-22	3035000	3640100
28	Pilot scale demonstration of a technology for remediating community well water contaminated with an emerging & endocrine disrupting micro pollutant perchlorate	CSIR-NIIST	2021-22	3125000	2452900
29	Upgradation of Food testing laboratory (MoFPI-FTL)	CSIR-NIIST	2021-22	52331000	35302600
30	Pilot scale demonstration of a comprehensive approach to recover high value products from waste banana pseudo stem	CSIR-NIIST	2021-22	7652000	5650800

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
31	Process development for control of volatile emissions and odour from spray painting units	CSIR-NIIST	2021-22	454800	454800
32	Implementation of a sustainable bioenergy based model effluent treatment plant desiccated coconut industries	CSIR-NIIST	2021-22	17390800	21291700
33	Random verification of annual inventory on hazardous waste management	CSIR-NIIST	2021-22	324000	259200
34	Establishment of pine apple leaves processing unit for biodegradable table ware manufacturing	CSIR-NIIST	2022-23	1500000	300000
35	Handling perishable food/agro produces-Equipment handling, modelling , simulation & scale -up studies	CSIR-NIIST	2022-23	400000	400000
36	Internship program on Design considerations in evaporation and drying unit operations for use in food processing sectors	CSIR-NIIST	2022-23	150000	150000
37	Effects of exosomal micro RNAs isolated from tender and mature coconut water on gut health and microbiome dynamics	CSIR-NIIST	2022-23	2135100	2081100

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
38	Development of spices based nedulizzer formulation for prophylaxis of respiratory distress	CSIR-NIIST	2022-23	2528700	1657800
39	Technology development for production of high value medium-chain triglycerides oil from coconut oil	CSIR-NIIST	2022-23	2849000	2657200
40	Building artificial cells with genetic information for regulated communication	CSIR-NIIST	2022-23	4864900	4337600
41	Chitan-glucan complex nanofibres from fungal mycelium and their implication of biomaterials through tuning of surface and mechanical properties	CSIR-NIIST	2022-23	4816900	4012300
42	Diagnostic evaluation of a SERS-Nanoprobe based immunosensor for early detection of Alzheimer's disease biomarkers from blood	CSIR-NIIST	2022-23	5287500	8559600
43	Investigation of ultrafast dynamics of chromophores exhibiting thermally activated delayed fluorescence for OLEDs	CSIR-NIIST	2022-23	2096800	2553600
44	Exploring Lead free hybrid perovskite materials for neuromorphic computing	CSIR-NIIST	2022-23	704000	244600

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
45	IC-MAP Collaborative research for accelerated development of materials and devices for enrgy harvesting and consevation technologies (CRADMET)Energy Efficeint Buildings (EEB)	CSIR-NIIST	2022-23	5515800	6471300
46	Technology for the early detection of cancer from blood sample using SERS (Surface enhanced Raman Spectoacopy) and artificial intelligence - A novel Technique	CSIR-NIIST	2022-23	7344700	7344700
47	IC-MAP Collaborative research for accelerated development of materials and devices for enrgy harvesting and consevation technologies (CRADMET)-ADAAPT- Accelerated Development via Automation and AI of Perovskite Solar cell Technology	CSIR-NIIST	2022-23	6271100	7476600
48	Illistration of excited state symmetric breaking in the multiple elctron donor-acceptor materials using ultrafast time- resolved infrared Spectroscopy	CSIR-NIIST	2022-23	5713000	5384300

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
49	Stable, dopant-free and cost-effective hole transporting materials for Perovskite solar cells: probing interfacial charge transfer dynamics in n-i-p & p-i-n	CSIR-NIIST	2022-23	2507300	2276000
50	Synthesis of polyhydroxylated pyrrolidine iminocyclitolbased novel antivirals against Dengue Virus (File No. VIR/17/2020/ECD-I)	CSIR-NIIST	2022-23	2129000	5482000
51	Non precious metal oxide carbon hybrid electro catalyst for oxygen reduction reaction	CSIR-NIIST	2022-23	4066500	1234600
52	synthesis and development of hybrid carbon nanocomposites and polmer emulsions as flocculants for mining industry	CSIR-NIIST	2022-23	1494600	1430700
53	Novel material manufacturing method for large volume cast metal matrix nanocomposites (Ultra-Cast)	CSIR-NIIST	2022-23	2324000	1673000
54	Moisture resistant, food compatible bio-resin coated paper for food pacaging with repulpable potential	CSIR-NIIST	2022-23	3969100	2579500

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
55	Investigation on Operational Efficiency of Industrial Gas Biofilters	CSIR-NIIST	2022-23	600000	600000
56	Forward Osmosis assisted concentration of reject of revrese-osmosis for possible bypassing of MEE	CSIR-NIIST	2022-23	165000	165000
57	Review and update of National Implementation Plans (NIPs) under the stockholm convention (SC) on persistent organic pollutant (PDPs) for India	CSIR-NIIST	2022-23	17302700	17316900
58	Large scale production of iron-rich multivitamin multilayer encapsulate for developing novel designer rice	CSIR-NIIST	2023-24	2700000	900000
59	Preclinal evaluation of the effects of coconut vinegar on gut health	CSIR-NIIST	2023-24	2841000	2839000
60	Millets as functional food for addressing obesity by maniofesting gut-brain axis	CSIR-NIIST	2023-24	3124300	2396900
61	Omega-3- fatty acid enriched edible algal biomass as feed supplements	CSIR-NIIST	2023-24	5590200	5078600

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
62	A Sustainable approach for oleochemicals production from agro and industrial residues using nonconventional oleaginous yeast and fungi	CSIR-NIIST	2023-24	3288500	2575100
63	Biorefinery approach in recovering high value products from vegetable and fruit wastes under circular economy frame	CSIR-NIIST	2023-24	4228300	1193300
64	Poly-gama-glutamic-acid and its blends as biodegradable material and an alternative to single use plastics`	CSIR-NIIST	2023-24	5210200	4902100
65	Bioactive pectic oligosaccharides production from fruit wastes using onsite-developed endogenous enzyme system - A Tailor-made green process to improve the functionality of prebiotics	CSIR-NIIST	2023-24	2949400	2841600
66	Development of antimicrobials targeting bacterial cellular membrane to Combat multi-drug Resistance	CSIR-NIIST	2023-24	7843100	5618400
67	Isolation and exploration of phytochemicals against obesity and related complications	CSIR-NIIST	2023-24	2592000	1712900

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
68	Design and development of optics integrated rooftop agrivoltaics	CSIR-NIIST	2023-24	2155100	1350000
69	Solar hybrid indoor light harvesters for self-powered IoT applications	CSIR-NIIST	2023-24	12164200	16514400
70	Hybrid electrochromic materials and devices for multifunctional smart applications	CSIR-NIIST	2023-24	3192000	2425000
71	Revealing ultrafast charge transfer dynamics controlling the efficiency of photofunctional materials: A combination of femtosecond pump probe and time-resolved electron paramagnetic resonance spectroscopies	CSIR-NIIST	2023-24	669000	118500
72	Printable Carbon Electrodes Replacing Gold: A Scalable Perovskite Solar Cells for Outdoor/Indoor Photovoltaic Applicationsconcept to Accelerate Development of Cost effective and	CSIR-NIIST	2023-24	2492000	994000
73	Multiresonance & horizontally-oriented blue TADF emitters from materials to device engineering	CSIR-NIIST	2023-24	740000	216900

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
74	Design and Development of Functional Heteroacenes and Heteroacene Incorporated Dyes for Indoor/Ambient Light Harvesting Applications	CSIR-NIIST	2023-24	2586100	1562000
75	Design, Synthesis of Novel Naphthalene-Bipyridine appended Iridium (Nap-Ir) Photosensitizer for Targeted Nanoparticle Based Phototherapy in Breast Cancer Model	CSIR-NIIST	2023-24	4668500	2929500
76	Development of spectro-cytology screening technology for detection of grades of cervical cancer lesions by Surface Enhanced Raman Scattering(SERS) and artificial intelligence	CSIR-NIIST	2023-24	39641500	28511000
77	Development of molten regolith electrolysis process for oxygen production from simulated lunar soil	CSIR-NIIST	2023-24	4677900	1964200
78	Development of self-healing refractory and investigation on the mechanism	CSIR-NIIST	2023-24	2243100	1490100

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
79	Development of environmentally benign inhibitor intercalated 2D mica nanosheet pigments for metal protective hydrophobic coating	CSIR-NIIST	2023-24	1999800	1161000
80	Development of smart multi functional nanoceria incorporated hydroxypatite/strontium phosphate composite coating on anodized Mg alloy for temporary implant applications	CSIR-NIIST	2023-24	3306700	2504000
81	Highly flexible, self responsive and bio based polymeric hydrogel composite films with energy efficient NIR shielding property	CSIR-NIIST	2023-24	3366000	3078000
82	Technology for rare earth added aluminium alloys and products for aerospace, marine , energy and automotive applications	CSIR-NIIST	2023-24	4849100	4749100
83	Aluminium-Magnesium based bimetal castings for light weighting applications through centrifugal casting technique	CSIR-NIIST	2023-24	3342600	2927300
84	Processing of cerium sulphide red pigment from cerous carbonate precursor produced by IREL	CSIR-NIIST	2023-24	3408000	2454000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
85	Spray pyrolysis based bench scale synthesis of morphologically tuned porous electride materials for energy applications	CSIR-NIIST	2023-24	4974000	2986200
86	Pilot Plant extraction of rare earth elements (Scandium, Neodymium & Europium) from KMML Titanium industrial waste	CSIR-NIIST	2023-24	1493000	1423700
87	Development of composition tolerant reusable aluminium alloys by recycling metallic waste	CSIR-NIIST	2023-24	3867000	2963000
88	High Entropy Mechanical Energy Scavenging through Piezo-Tribo-Hybrid Nanogenerators derived from Waste Materials aiding Circular Economy for SelfPowered Electronics	CSIR-NIIST	2023-24	3143100	1253200
89	Brahmapuram Fire Incident 2023: Hazardous chemical emission assessment and mitigation plans	CSIR-NIIST	2023-24	6444200	6444200
90	Development of A clean sustainable MSW technology: 10TPB pilot plant for management of Municipal Solid Waste	CSIR-NIIST	2023-24	51077000	30805500

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
91	Hydro dynamic cavitation assisted fractionation of coconut waste shell to MCC and its conversion to LGO	CSIR-NIIST	2023-24	689000	546500
92	Reviewupdate on biomedical waste management in Kerala State	CSIR-NIIST	2023-24	6721000	5376800
93	Development of accelerated biodegradation (aerobic and anaerobic) testing method for biodegradable plastics	CSIR-NIIST	2023-24	2048000	545600
94	Study on assessment of the air pollution load and emmission in old and modern plywood manufacturing units in Kerala	CSIR-NIIST	2023-24	1963500	1570800
95	Clinical validation of traditional millet recipes roti/dosa/khichidi in maintaining healthy intestinal microbial flora and preventing lifestyle associated complications	CSIR-NIIST	2024-25	7433400	5747400
96	Integrated process for customized lipids and bioactive/protien/fiber rich products from byproducts	CSIR-NIIST	2024-25	2695700	1269800

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
97	Pilot scale production of bio resin coated myceliumbased biodegradable packaging materials from agri biomass to replace polystyrene (Thermocol sheet)	CSIR-NIIST	2024-25	5550800	911100
98	Establishment of decentralized non- centrifugal sugars production unit for Marayoor Junction	CSIR-NIIST	2024-25	13747000	9772900
99	Development of ultra sound assisted membrane bioreactor and aligned operational processes for sustainable enzyme reusable saccharification of cellulose-enriched waste biomass	CSIR-NIIST	2024-25	6397100	3574900
100	Identification of novel enetic determinants of Pokkaliibacter plantistimulans colonization and their functional role in pokkali rice symbiosis under natural brackish conditions	CSIR-NIIST	2024-25	4335700	2825200
101	1G,2G Ethanol & Biofuels- Process development analyses. Opportunities, and pilot scale operation	CSIR-NIIST	2024-25	800000	461700

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
102	Intrinsic subtyping using high through put gene expression profiling and surface enhanced Raman Spectroscopy (SERS) based apBreast Cancer patients (TNBC)proach to predict pathological complete reponse in Triple Negative	CSIR-NIIST	2024-25	4145000	4072500
103	Phytochemical, metabolic, anti-ageing, and immunomodulatory properties of rasayana	CSIR-NIIST	2024-25	0	1417500
104	In-vitro and in-vivo evaluation of biodegradanle magnesium alloys for temporary implant applications	CSIR-NIIST	2024-25	3028900	2516400
105	Extraction of gallium from titanium and iron ore industrial waste	CSIR-NIIST	2024-25	1900000	1805000
106	Fabrication of super polished aluminium mandrels for X-ray optics substrate	CSIR-NIIST	2024-25	2649300	1824600
107	Strong deep-red/ NIR emitting and biocompatible gallogermanate nanophosphors for economic bioimaging applications	CSIR-NIIST	2024-25	3104700	2241700
108	Energy harvesting from martain environment using triboelectric effect for powering smart sensor	CSIR-NIIST	2024-25	4956000	2628000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
109	Development of Cost Effective and Eco-Friendly Process to Recycle and Rebuild the Cell Grade Lithium Iron Phosphate Material from Spent Li ion batteries	CSIR-NIIST	2024-25	3897400	3572000
110	Adapting deep learning for prediction of Anaemic using multimodel data analysis	CSIR-NIIST	2024-25	6094300	3039400
111	Creation of a technology incubation facility for coconut processing and value addition	CSIR-NIIST	2025-26	1941000	1420800
112	Development of smart traceability system for the coconut and coconut based products of selected indigenous cultivators	CSIR-NIIST	2025-26	5014100	3650000
113	Bioprospecting of uncultured marine microbes for phosphodiesterase-5 (PDE-5) inhibitors to treat erectile dysfunction via novel culturing and genome mining methods	CSIR-NIIST	2025-26	4969100	4461200

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
114	Value addition of raw banana its glecemic index studies and relation to bioactive carbohydrate	CSIR-NIIST	2025-26	2917800	0
115	Photoactive-rich nutraceuticals: Tapping the health benefits of underutilized green leafy vegetables	CSIR-NIIST	2025-26	5138400	0
116	Assisstence to proessional bodies and seminar symposia	CSIR-NIIST	2025-26	180000	180000
117	Entrepreneurship and skill development MSMS	CSIR-NIIST	2025-26	3400000	2869400
118	Center of Exellence in performance chemicals and sustainable polymers for industrial applications	CSIR-NIIST	2025-26	50000000	14498500
119	Electric hydrogen leak detector based on MEMS integrated 1-D nanofibers and nanotubes of semiconductor oxides Ceramic Composite Tiles for Hypersonic Vehicles	CSIR-NIIST	2025-26	5902500	4523900
120	Development of Ultra Low Thermal Conducting LaPO 4 La 2 ZrO 7 (LP-LZ)	CSIR-NIIST	2025-26	1992000	939300

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
121	Fabrication of semi crystalline polymer aerogel filmsbased textile structures	CSIR-NIIST	2025-26	2200000	700000
122	Development of low cost process for the production of graphene from Indian mineral resources	CSIR-NIIST	2025-26	6513200	3873300
123	Development of an eco-friendly biodegradable Natural Prefabricated Vertical Drain(NPVD) - A sustainable solution for ground improvement of soft soils	CSIR-NIIST	2025-26	9078400	5000000
124	Recovery of silica from the end of life silicon PV panels and laboratory e-wastes for high end applications	CSIR-NIIST	2025-26	8734000	2845600
125	Intergarted process technology of combined smelting collection refining for extraction of platinum group metals from spent auto catalytic converter	CSIR-NIIST	2025-26	3459700	1149400
126	Development of closed cell aluminium alloy and composite foams from industrial scrap for impact damping and EMI shielding applications	CSIR-NIIST	2025-26	5010000	1297400

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
127	Recovery of potash from granitic gneiss (rock dust)	CSIR-NIIST	2025-26	3037700	1831100
128	Field testing and performance assessment of a resource oriented effluent treatment plant for seafood preprocessing units (peeling sheds) in Kerala	CSIR-NIIST	2025-26	1717500	858700
129	The wastewater management from houseboats to prevent the backwater pollution	CSIR-NIIST	2025-26	1865700	932700
130	Comprehensive assessment and emission management plan for the Common Biomedical/Hazardous Waste Incinerators and Waste to Energy Plants in Andhra Pradesh	CSIR-NIIST	2025-26	1865700	2061700
131	Adapting deep learning for prediction of Anaemic using multimodel data analysis	CSIR-NIIST	2025-26	6094300	3039400
132	Smart lipids for metabolic health: Scale -up and preclinical evaluation for hyperlipidemia management and disease prevention	CSIR-NIIST	2025-26	16396700	8260700
133	Development of mRNA platform for vaccines and biotherapeutics	CSIR-NIIST	2021-22	6478000	6478000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
134	Engineering next generation low cost and highly efficient copper hole conductor based hybrid dye cells for outdoor/ Indoor photovoltaics	CSIR-NIIST	2021-22	2674000	2674000
135	Immuno modulatory function of nutritional and nutraceuticals for health and wellness (Immunity Mission)	CSIR-NIIST	2021-22	17018000	17018000
136	Prophylactic immunomodulation against viral challenges from active fractions of Solanum nigrum L	CSIR-NIIST	2021-22	26500000	26500000
137	Near infrared emission from organic light emitting diodes: Novel design strategies	CSIR-NIIST	2022-23	6163000	6163000
138	Field testing and validation of a modular onsite wastewater treatment & resource recovery unit	CSIR-NIIST	2022-23	5720000	5720000
139	Sustainable Geocomposite drainage-root barrier systems for green highways	CSIR-NIIST	2022-23	8334000	8334000
140	Effective utilization of agro residues for development of biomaterials based leather substitute - Process optimization and scale up studies	CSIR-NIIST	2022-23	9382000	9382000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
141	Utilization of ilmenite mineral industrial sludge from TiO₂ pigment industry for making coloured ceramic tiles via low-energy sintering process	CSIR-NIIST	2022-23	4972000	4972000
142	Developement of scale up synthesis strategies for short, modified oligoribonucleotide therapeutics (Syn-Oligo RNA)	CSIR-NIIST	2022-23	7959000	7959000
143	DSSC technology for TV & AC remotes: Import substitution, scale-up and benchmarking of potential metal –free organic dyes and copper electrolytes	CSIR-NIIST	2022-23	6328000	6328000
144	Thermo responsive specialty chemicals for large area smart facades and windows	CSIR-NIIST	2022-23	8278000	8278000
145	Fluorescent pigments with magnetic response for security printing	CSIR-NIIST	2022-23	8489000	8489000
146	Greener and Sustainable Process to Convert Waste Banana Stem into Nanocellulose	CSIR-NIIST	2022-23	5690000	5690000
147	Biobased polyurethanes and hybrid nanocomposite dispersions for application in leather finishing	CSIR-NIIST	2022-23	6500000	6500000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
148	Hydrogen Technology (H2T)	CSIR-NIIST	2022-23	19470000	19470000
149	Phenome India- CSIR Health Cohort Knowledgebase	CSIR-NIIST	2022-23	7775000	7775000
150	Jigyasa 2.0 Programme with the concept of Virtual lab Integrated (CJVL)	CSIR-NIIST	2022-23	11570000	11570000
151	Pre-commercialization feasibility studies and building integration of multifunctional dynamic window panels	CSIR-NIIST	2023-24	12147000	12147000
152	Systems engineering of dynamic power window technology	CSIR-NIIST	2023-24	8318000	8318000
153	Indigenous development of processess and materials for highly efficient and stable perovskite solar cell technology	CSIR-NIIST	2023-24	30985000	30985000
154	Development of a Clean Sustainable MSW Technology: 10 TB pilot plant for Management of Municipal Solid Waste	CSIR-NIIST	2023-24	19010000	14940000
155	Discovery & Pre-clinical development of antivirals for COVID_19 & other diseases	CSIR-NIIST	2023-24	12500000	12500000
156	Cabondioxide capture and utilization from point sources of steel industry	CSIR-NIIST	2023-24	19068000	19068000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
157	Innovative processes and technologies for crop protection chemicas	CSIR-NIIST	2023-24	20000000	20000000
158	Active Pharmaceutical ingredients for affordable health care (API-AHC)	CSIR-NIIST	2023-24	5901000	5901000
159	Millet - Sustaining Health through Research and Innovation by Analysis of Nutrients and Nutraceuticals to Achieve global Awareness	CSIR-NIIST	2023-24	10000000	10000000
160	Sustainable Technologies for the safe utilization and recycling of non-metallic illmenite mineral industrial wastes/Technology development for recovery of tantalum from secondary resources (RETAN)/Waste to wealth : Comprehensive solutions towards circular circular economy and sustainability	CSIR-NIIST	2023-24	19878000	19878000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
161	Development of Thermoresponsive materials as Vaccine Viral Monitors	CSIR-NIIST	2023-24	10209000	10209000
162	Scale-up and Field Trail for Spectral Converting Diverging Optics Integrated Even Light-Sharing Agrivoltaics Technology	CSIR-NIIST	2024-25	13161000	13161000
163	Dye Solar Modules for Enhanced Indoor Light Harvesting as Airport Facades: Development, Integration and Deployment	CSIR-NIIST	2024-25	17529000	17529000
164	High-performance Lead-free Piezoelectric Nanofibers Enabled Self-Powered Flexible Vibration Sensor for Real-time Health Monitoring of Structures and Machines	CSIR-NIIST	2024-25	6848000	6848000
165	Near Net Shape Manufacturing Technology for Aluminum Alloy and Composite Components for Transport and Strategic Sectors	CSIR-NIIST	2024-25	14145000	14145000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
166	Development and Demonstration of a High Spatiotemporal Resolution UAV-Aided GHG Monitoring System for Municipal Solid Waste Management	CSIR-NIIST	2024-25	7500000	7500000
167	Development and Demonstration of Biological (Biofilter) and Advanced Ozone-Based Technologies for Managing Obnoxious Odours for Community Applications	CSIR-NIIST	2024-25	10000000	10000000
168	Development of Al-Mg-Sc Alloy for Aerospace Application	CSIR-NIIST	2024-25	18454000	18454200
169	Sustainable Additives and Fillers for Biodegradable and Semicrystalline Polyesters	CSIR-NIIST	2024-25	8956000	8955800
170	Development of Biodegradable Prefabricated Vertical Drain by Molding Technique-A Sustainable Solution for Road Construction Over Soft Soil	CSIR-NIIST	2024-25	3050000	3050000
171	The development of photovoltaic /Thermal (PVIT) collector for the generation of electricity and hot water	CSIR-NIIST	2024-25	3000000	3000000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
172	Speciality chemicals for industrial applications/Hybrid Materials and Coatings for Multifunctional Superhydrophobic Applications./Multifunctional printed smart leather for strategic application/ Scale-up of bio-resin formulation for multifunctional superhydrophobic self-cleaning coating for wood, plastics and wind rotor blade.	CSIR-NIIST	2024-25	22662000	22503000
173	Fermentation Scale up and Technology Development of Lead Industrial Enzymes for Biofuel, Food, Feed, Agriculture and Vaccine Applications	CSIR-NIIST	2024-25	10411000	10410500
174	Development of Antihyperlipidemic Phytopharmaceutical Lead from Curcuma Amada	CSIR-NIIST	2024-25	15594000	15594000
175	Sustainable Packaging Solutions for Net Zero Future	CSIR-NIIST	2024-25	184624000	115566000
176	Design and Development of Anisotropic Hybrid Aerogels with Preferred Orientation of Nano fillers for Electronic Applications	CSIR-NIIST	2024-25	4464000	4464000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
177	Next Generation Building Integrated Urban Air Quality Management through novel Photo catalytic coatings: System Development and Efficiency Assessment	CSIR-NIIST	2024-25	7196000	7196000
178	Deciphering Bimolecular Condensate Interactions with Lipid Membranes as Target for New Drugs	CSIR-NIIST	2024-25	7848000	7848000
179	CSIR-NIIST Centre for AYUSH Quality, Testing and Innovation	CSIR-NIIST	2024-25	100000000	80000000
180	Synthesis of cost effective potential fluorescent materials for security applications	CSIR-NIIST	2024-25	2000000	2000000
181	Separation and Purification of Clavulanic acid by membrane filtration and column chromatography	CSIR-NIIST	2024-25	2000000	2000000
182	Deep Learning and chemometrics based approaches for synchronizing GC-MS and NIR spectra to identify adulteration in edible oil	CSIR-NIIST	2024-25	2000000	2000000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
183	Development of odour measurement methods through dynamic olfactometry and setting up of odour emission standards in Indian scenario	CSIR-NIIST	2024-25	2000000	2000000
184	Investigation of VOC emission profiles from plywood industries: Modelling and Reduction strategies	CSIR-NIIST	2024-25	2000000	2000000
185	Development of NIIST ECOlogical Unit for Faecal Resource Treatment and Efficient Sludge Handling (NECO-FRESH)	CSIR-NIIST	2024-25	2000000	2000000
186	Effective management of wastewater from houseboats to preserve wholesomeness of backwaters for longterm sustenance of tourism industry	CSIR-NIIST	2024-25	2000000	2000000
187	Low temperature process optimization and design of biomedical waste conversion rig for integrated treatment of degradable and recyclable waste.	CSIR-NIIST	2024-25	2900000	2900000
188	Bioresource conservation and prospection	CSIR-NIIST	2025-26	29720000	22920000
189	Active pharmaceutical ingredients for affordable health care (API-AHC)	CSIR-NIIST	2025-26	10803600	7359000

<i>Sl. No.</i>	<i>Details of the Research Project</i>	<i>Details of Centres of Excellence and Scientific Institutions</i>	<i>Financial Year</i>	<i>Funds Sanctioned (In Rs)</i>	<i>Funds Released (In Rs)</i>
190	CSIR integrated skill initiative	CSIR-NIIST	2025-26	0	14800000
191	Investigation of physical and chemical properties of hybrid fillers based on micro-, nano cellulose and carbon nanoparticles for application in polymer composites and lubricants for tribological applications	CSIR-NIIST	2025-26	3400000	3400000
192	Smart Village	CSIR-NIIST	2025-26	11500000	6110000
193	Solar Panels, electrical/electronic appliances & Air Conditioner wastes to sustainable materials	CSIR-NIIST	2025-26	14599000	6489000
TOTAL				1636053200	1335314800
MINISTRY OF EARTH SCIENCES (MOES)					
<i>Sl. No.</i>	<i>Details of the Research Project</i>	<i>Details of Centres of Excellence and Scientific Institutions</i>	<i>Financial Year</i>	<i>Funds Sanctioned (In Rs)</i>	<i>Funds Released (In Rs)</i>
1	“Structure, Evolution and Dynamics of Mesoscale and Synoptic Scale Convective Systems using the network of Doppler Weather Radar (DWR) and satellite observations”.	Space Physics Laboratory, Vikram Sarabhai Space Centre, ISRO, Thiruvananthapuram	2023-2024	2450240	1171520

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
2	“Equatorial Testbed for Atmospheric Observation, Modelling and Technology Development (ATMOSTECH).	Advanced Centre for Atmospheric Radar Research, Cochin University of Science and Technology, Cochin, Kerala.	2023-2024	88408000	40972506
TOTAL				90858240	42144026
3	Diving Down the Deep: Exploring the Deep-Sea Ichthyo-Faunal Resources of Indian waters for Sustainable Utilisation - A Multidisciplinary Approach	ICAR-NBFGR (Kochi)	2024-2025	16323680	14641400
4	Translational Ecology of Deep Sea (TEDS): Host-microbe interactions in the deep-sea habitats and potentials for translational technology	CSIR-NIO (Kochi)	2024-2025	9968000	7354500
5	Deep Sea metagenomics for enhanced next-generation bioethanol production	ICAR-CMFRI (Kochi)	2024-2025	12542252	7054000
6	Bioprospecting of uncultured marine microbes for phosphodiesterase-5 (PDE-5) inhibitors to treat erectile dysfunction via novel culturing and genome mining methods	CSIR-NIIST (Thiruvananthapuram)	2024-2025	3084560	0
TOTAL				41918492	29049900

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
7	"Impacts of the Tropical Convergence Zone and Monsoon Low Pressure System on Summer Monsoon Variability: Observations and Model."	Indian Institute of Science Education and Research, Thiruvananthapuram	2025-2026	7514720	5500440
8	Development of Laser desorption ionization Time of Flight Mass Spectrometer for Aerosol Measurement (LToF-MSA)	Indian Institute of Space Science and Technology (IIST), Thiruvananthapuram	2025-2026	9491000	5902000
9	Translational Ecology of Deep Sea (TEDS): Host-microbe interactions in the deep- sea habitats and potentials for translational technology	CSIR-NIO (Kochi)	2025-2026	4070000	4070000
10	Deep Sea metagenomics for enhanced next-generation bioethanol production	ICAR-CMFRI (Kochi)	2025-2026	5996104	8412627
11	Bioprospecting of uncultured marine microbes for phosphodiesterase-5 (PDE-5) inhibitors to treat erectile dysfunction via novel culturing and genome mining methods	CSIR-NIIST (Thiruvananthapuram)	2025-2026	1884560	3084560

<i>Sl. No.</i>	<i>Details of the Research Project</i>	<i>Details of Centres of Excellence and Scientific Institutions</i>	<i>Financial Year</i>	<i>Funds Sanctioned (In Rs)</i>	<i>Funds Released (In Rs)</i>
12	Automated Identification of Marine Species with Artificial Neural Networks to Enhance the Exploration and Sustainable Utilisation of Deep-sea Marine Fishes	ICAR-CMFRI (Kochi)	2025-2026	22830640	21572040
13	Understanding the molecular mechanisms that confer adaptation to deep- sea habitats in selected fishes through whole genome and transcriptome Sequencing.	ICAR-CMFRI (Kochi)	2025-2026	7398011	6776411
TOTAL				59185035	55318078
ANUSANDHAN NATIONAL RESEARCH FOUNDATION (<i>ERSTWHILE SCIENCE AND ENGINEERING RESEARCH BOARD</i>)					
<i>Sl. No.</i>	<i>Details of the Research Project</i>	<i>Details of Centres of Excellence and Scientific Institutions</i>	<i>Financial Year</i>	<i>Funds Sanctioned (In Rs)</i>	<i>Funds Released (In Rs)</i>
1	Computational Fluid Dynamics based tools to the aid of clinical decision making in the management of intracranial aneurysms	SCTIMST, Thiruvananthapuram	2021-2022	8335520	7217910

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
2	Development of on-site detection kits for viruses and oomycetes infecting black pepper (Piper nigrum)	ICAR- Indian Institute of Spices Research	2021-2022	4505884	2914500
3	DOT1L regulate the metabolic and epigenetic alterations in pancreatic cancer	DBT-Rajiv Gandhi Centre for Biotechnology (RGCB)	2021-2022	6062650	5444500
4	Design and Development of Flexible Polymer/Biopolymer based Aerogels for Thermal and Acoustic Insulation	CSIR- National Institute for Interdisciplinary Science and Technology (NIIST)	2021-2022	3002659	2774220
5	Low-Cost Conductive Inks for Affordable RFID Applications	CSIR-NIIST	2021-2022	3034978	2218275
6	Evaluation of uttroside B, a furanosyl saponin from Solanum nigrum Linn as a candidate drug molecule against Aflatoxin-induced liver carcinogenesis and Non-alcoholic steatohepatitis (NASH)	DBT-RGCB, Thiruvananthapuram	2021-2022	4492240	2804080
7	Study of the Effect of Donor Characteristics and Component Processing Methods on Formation of Microparticles in Stored Blood Using Flowcytometric Approach.	SCTIMST, Thiruvananthapuram	2021-2022	2056000	1592000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
8	Normal vs. abnormal hematopoiesis- result of a deregulated chromatin regulated by Histone chaperone HIRA?	DBT-RGCB, Thiruvananthapuram	2021-2022	5965000	5561600
9	Functional relevance of a unique subclass of Notch independent Hes-1 (NIHes-1) expressing neural stem cells in developing/adult cortex	DBT-RGCB, Thiruvananthapuram	2021-2022	6451540	5499380
10	Comparing Mitochondrial Function and Dynamics in Atrial Tissue of Patients Undergoing Cardiopulmonary Bypass Surgery and Aortic Valve Repair	SCTIMST, Thiruvananthapuram	2021-2022	3763240	2327600
11	Elucidating the functional relevance of novel NS1 mutations in Influenza A H1N1 2009 pandemic virus	DBT-RGCB, Thiruvananthapuram	2021-2022	4037240	3459080
12	Engineered alpha-helical pores for single-molecule sensing of amyloid structures	DBT-RGCB, Thiruvananthapuram	2021-2022	4007059	3490000
13	Evaluation of immune-enhancing polysaccharides of edible chlorophytan seaweed Ulva lactuca (sea-lettuce) and development of functional polysaccharide nanoparticle	ICAR- Central Marine Fisheries Research Institute	2021-2022	5412891	3891650

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
14	Tuning electrochemical pathways in new-generation electrochromic materials for secondary energy-sourcing	CSIR-NIIST	2021-2022	3317328	2430000
15	Microtuber production and gene prospecting for photoresponsive tuberization in Ipomoea batatas(L.) Lam.	ICAR- Central Tuber Crops Research Institute	2021-2022	3036264	2285421
16	EXPLORATION OF EXOSOMAL AND NON-EXOSOMAL MICRO RNAs FROM GRAPES AGAINST TRIPLE NEGATIVE BREAST CANCER	CSIR-NIIST	2021-2022	4017859	3100700
17	BASE CONTROLLED DIVERSITY SYNTHESIS OF SPIRO-INDOLINONE HYBRIDS OF MEDICINAL RELEVANCE	CSIR-NIIST	2021-2022	3818317	3116700
18	Non precious Metal oxide-carbon hybrid electro-catalyst for oxygen reduction reaction	CSIR-NIIST	2021-2022	4066533	3571900
19	Abiotic stress-hormesis to enhance the phenolic-linked antioxidant protective system in biofortified sweet potatoes for designing functional food ingredients	ICAR- Central Tuber Crops Research Institute	2021-2022	4743182	3790200

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
20	Design and fabrication of a cooling die to control the microstructure of plant-based meat analogs	CSIR-NIIST	2021-2022	2535883	2190920
21	Unravelling bacterial immunoevasion and host immune reprogramming strategies in invasive pneumococcal diseases	DBT-RGCB, Thiruvananthapuram	2021-2022	3196000	3003000
22	Unravelling the role of Chlamydial deubiquitinase in evading the host innate immune system.	DBT-RGCB, Thiruvananthapuram	2021-2022	3179000	2969500
TOTAL				93037267	75653136
23	The scope of an injectable galactoxyloglucan/PEG oxime click hydrogel in whole-cell cancer vaccine: an approach to expedite clinical translation	Regional Cancer Centre	2022-2023	2992264	1810600
24	Exploring the effect of secretome of platelet-mesenchymal stem cells spheroids on angiogenesis and healing in chronic wounds	SCTIMST, Thiruvananthapuram	2022-2023	4670827	4436840
25	Characterising neurodevelopmental phenotypes caused by rare loss-of-function (LoF) mutations in Interferon regulatory factor 2 binding protein-like (IRF2BPL) using human induced pluripotent stem cells	SCTIMST, Thiruvananthapuram	2022-2023	5645940	3308504

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
26	Designer small diameter vascular grafts for reduced neointimal hyperplasia through triggered release of All-trans retinoic acid (atRA) from biofunctionalized Gelatin-vinyl acetate-PCL fibrous scaffolds	SCTIMST, Thiruvananthapuram	2022-2023	2511259	1293000
27	Developing a biorefinery workflow for high value nutraceuticals from seaweed by green chemistry approach	ICAR- Central Institute Of Fisheries Technology	2022-2023	3962682	2871050
28	Characterizing Mitochondria-derived Vesicle (MDV) Trafficking through a Proximity Labelling Approach- A possible Novel Mito-nuclear Communication Pathway	DBT-RGCB, Thiruvananthapuram	2022-2023	5553570	2650100
29	Building Artificial Cells with Genetic Information for Regulated Communication	CSIR-NIIST	2022-2023	4864924	3637600
30	Development Of Wearable Advanced Fall Detection Gadget With Wireless Alarm System For Help Activation	SCTIMST, Thiruvananthapuram	2022-2023	2133240	1474254
31	Epidemiological Monitoring of SARS CoV-2, and its variants in wastewater systems in the major cities of Kerela, India.	DBT-RGCB, Thiruvananthapuram	2022-2023	6243032	5671000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
32	Stable, dopant-free and cost-effective hole transporting materials for Perovskite solar cells: Probing interfacial charge transfer dynamics in n-i-p & p-i-n architectures	CSIR-NIIST	2022-2023	2507328	876000
33	An Inventory of Green House Gases Emission from Coastal Wetlands of Kerala and their Impact on Regional Climate Change	Centre for Water Resources Development And Management	2022-2023	3088240	1850000
34	Illustration of Excited State Symmetric Breaking in the Multiple Electron Donor-Acceptor Materials Using Ultrafast Time-Resolved Infrared Spectroscopy	CSIR-NIIST	2022-2023	5713000	5084333
35	Studies of Non-Enzymatic Paper-based Bioanalytical Devices for Point-of-Care Diagnostic Applications	DBT-RGCB, Thiruvananthapuram	2022-2023	3413059	3075700
36	Chitin -glucan complex nanofibers from fungal mycelium and their implication in biomaterials through tuning of surface and mechanical properties	CSIR-NIIST	2022-2023	4816893	3460000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
37	Alpha7 nicotinic acetylcholine receptor as a pharmacological target for treating neuronal disorders	DBT-RGCB, Thiruvananthapuram	2022-2023	5043859	3426000
38	Impact of disease-associated tubulin isotype mutations on microtubule dynamics	DBT-RGCB, Thiruvananthapuram	2022-2023	3102840	2656500
39	Morphology Dependent Localized Surface Plasmon Resonance Based Photo-Thermoelectric Generator for Wearable Energy Harvesting Applications	Centre for Materials For Electronics Technology	2022-2023	3105040	2807520
40	Engineering of anti-CD37 CAR T cells to target B cell Non-Hodgkin's Lymphoma (B-NHL)	DBT-RGCB, Thiruvananthapuram	2022-2023	2860940	2685500
41	Understanding the molecular basis of dwarfism in Cashew (Anacardium occidentale L) using bulk segregant- RNA sequencing	Regional Agricultural Research Station	2022-2023	3279634	2994434
TOTAL				75508571	56068935
42	Biotechnological interventions for defensible conservation and restoration of Dialium travancoricum Bourd., a Critically Endangered Endemic Tree of the Southern Western Ghats	Jawaharlal Nehru Tropical Botanic Garden And Research Institute	2023-2024	2439979	885000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
43	Sensitizing of immune unresponsive colorectal cancers to checkpoint inhibitors through silencing of Acid Ceramidase expression	DBT-RGCB, Thiruvananthapuram	2023-2024	5188920	1736000
44	Chondroinductive and chondroprotective small molecules decorated photocrosslinkable gel matrix systems for autologous chondrocyte Implantation (ACI) – a regenerative approach.	SCTIMST, Thiruvananthapuram	2023-2024	3622560	1213500
45	Identification and characterization of a functional cellular receptor for Kyasanur forest disease virus entry	Institute Of Advanced Virology	2023-2024	7342720	3520900
46	Highly flexible, self-responsive, and bio-based polymeric hydrogel composite films with energy-efficient NIR shielding property	CSIR-NIIST	2023-2024	3366264	2128000
47	A sustainable approach for oleochemicals production from agro and industrial residues using non-conventional oleaginous yeast and fungi	CSIR-NIIST	2023-2024	3288544	1975100

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
48	Genomic and metagenomics insights on Helicobacter pylori virulence and antimicrobial resistance	DBT-RGCB, Thiruvananthapuram	2023-2024	3977683	2098000
49	Evaluation of the E3-ligase independent function of Transcription Intermediary Factor1γ (TIF1γ) in the regulation of cancer stem cells	DBT-RGCB, Thiruvananthapuram	2023-2024	5691859	3342000
50	Dissecting domains of APLF chaperoning EMT in development	DBT-RGCB, Thiruvananthapuram	2023-2024	5681059	2531700
51	Molecular characterization of the cytopathic property of Chandipura virus to engineer an attenuated oncolytic vector.	DBT-RGCB, Thiruvananthapuram	2023-2024	5431924	2100000
52	Deciphering the structural and functional attributes of the putative nucleoplasmin from Plasmodium falciparum	DBT-RGCB, Thiruvananthapuram	2023-2024	5153328	1724400
53	Deciphering the Role of Novel Reticulocyte surface Proteins in Plasmodium vivax Invasion	DBT-RGCB, Thiruvananthapuram	2023-2024	5806717	2000000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
54	Structure, function and molecular mechanism studies of an evolvability factor Transcription Repair Coupling Factor in Mycobacterium spp.	Indian Institute Of Science Education And Research, Thiruvananthapuram	2023-2024	5126000	2335000
55	Cleavage site stuttering/heterogeneity at the pre-mRNA 3'-end in gene expression and its physiological implications	DBT-RGCB, Thiruvananthapuram	2023-2024	7208696	2553000
56	Design and Development of Functional Heteroacenes and Heteroacene Incorporated Dyes for Indoor/Ambient Light Harvesting Applications	CSIR-NIIST	2023-2024	2586124	862000
57	Design, Synthesis of Novel Naphthalene-Bipyridine appended Iridium (Nap-Ir) Photosensitiser for Targeted Nanoparticle Based Phototherapy in Breast Cancer Model	CSIR-NIIST	2023-2024	4668537	1929500

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
58	Development of Composition Tolerant Reusable Aluminium Alloys by Recycling Metallic Waste	CSIR-NIIST	2023-2024	3867355	2413000
59	Paleo-vegetation changes and burial efficiency of organic carbon in different depositional conditions in the Bay of Bengal and Andaman Sea during Late Quaternary and their environmental implications.	National Centre For Earth Science Studies (Ncess)	2023-2024	2055040	950000
60	Bioactive pectic oligosaccharides production from fruit wastes using onsite-developed endogenous enzyme system – A Tailor-made green process to improve the functionality of prebiotics	CSIR-NIIST	2023-2024	2949404	2023647
TOTAL				85452713	38320747
61	Therapeutic patches with dissolving microneedles for the dermal delivery of acaricides for control of parasitic dermatitis	SCTIMST, Thiruvananthapuram	2024-2025	4291720	1470560

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
62	Effect Of Total Intravenous Anesthesia And Inhalational Anesthesia On The Markers Of Neuronal Inflammation And Perioperative Cognitive Disorders In Patients Undergoing Neurosurgery: A Prospective Randomised Trial (TINND Trial).	SCTIMST, Thiruvananthapuram	2024-2025	3111200	1124800
63	Characterization of the biofingerprint of the histomolecular subtypes of adult-type diffuse gliomas using Raman spectroscopy	SCTIMST, Thiruvananthapuram	2024-2025	5004720	1681540
64	Development of scientific capability for combating illegal trade and sustainable management of Indian rosewood (Dalbergia latifolia Roxb.)	Kerala Forest Research Institute	2024-2025	6715446	3033000
65	Strong Deep-red/NIR Emitting and Biocompatible Gallogermanate Nanophosphors for Economic Bioimaging Applications	CSIR-NIIST	2024-2025	3104697	1041700
66	In-vitro and in-vivo evaluation of biodegradable magnesium alloys for temporary implant applications	CSIR-NIIST	2024-2025	3028924	1016400

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
67	Identification of novel genetic determinants of Pokkaliibacter plantistimulans colonization and their functional role in pokkali rice symbiosis under natural brackish conditions	CSIR-NIIST	2024-2025	4335724	1725240
68	Gut Health Intervention: Exploring Soluble Gum Acacia Dietary Fiber's Preventive Effects on Obesity Associated Colorectal Cancer	DBT-RGCB, Thiruvananthapuram	2024-2025	5879940	1925000
69	Investigating the Safety Profile of NanoDNA-LNP Dengue Vaccine against Antibody-Dependent Enhancement of Dengue and Other Flaviviral Infection in Mouse Models.	DBT-RGCB, Thiruvananthapuram	2024-2025	6070240	1920000
TOTAL				41542611	14938240
70	Organelle specific fluorescence probes to study intracellular dynamics and calcium signaling	DBT-RGCB, Thiruvananthapuram	2025-2026	6599340	2326000
71	Investigating the Molecular Mechanisms of Epigenetic Vulnerability to PRMT5 and RBBP4 Inhibition in breast cancer	DBT-RGCB, Thiruvananthapuram	2025-2026	6581036	3359518

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
72	Exploring the Functional Significance of Mucin 20 and Gut Microbiota in Colorectal Cancer and Their Impact on Therapy Resistance	DBT-RGCB, Thiruvananthapuram	2025-2026	5652240	1884000
73	Development of Fluorescence Correlation Spectroscopy and Surface Enhanced Raman Spectroscopy based diagnostic strategies for probing exosomal cancer biomarkers.	DBT-RGCB, Thiruvananthapuram	2025-2026	6374995	4458350
74	Identification and Functional Characterization of Novel Short IRES Elements for Effective Circular RNA Translation: An Emerging Platform for Vaccines/Therapeutics.	DBT-RGCB, Thiruvananthapuram	2025-2026	6512440	2171000
75	Unraveling the mechanism of blue light-mediated endoplasmic reticulum stress responses in plants	DBT-RGCB, Thiruvananthapuram	2025-2026	6026919	2846051
76	Systematics and Ecology of Lichens in the Upper Tree Canopy of Forest Ecosystems in Kerala part of the Western Ghats, India	Kerala Forest Research Institute	2025-2026	5624740	3301579

<i>Sl. No.</i>	<i>Details of the Research Project</i>	<i>Details of Centres of Excellence and Scientific Institutions</i>	<i>Financial Year</i>	<i>Funds Sanctioned (In Rs)</i>	<i>Funds Released (In Rs)</i>
77	In-situ trace element geochemistry, petrochronology and critical mineral potential of alkaline rocks and carbonatites from the Nongchram Fault Zone (Shillong plateau, Northeast India) and Kunavaram complex (Dharwar Craton-Eastern Ghats Mobile Belt contact)	National Centre for Earth Science Studies (NCESS)	2025-2026	13000000	1300000
78	Additive manufacturing of biodegradable polymer scaffolds for bone tissue regeneration	CSIR-NIIST	2025-2026	6906240	3335410
79	Advanced Electrode Materials for Sustainable, Battery-Free, Self-Powered, Dual-Functional Photocapacitors	CSIR-NIIST	2025-2026	8631200	2877000
TOTAL				71909150	27858908
INDIAN COUNCIL OF AGRICULTURAL RESEARCH (ICAR)					
<i>Sl. No.</i>	<i>Details of the Research Project</i>	<i>Details of Centres of Excellence and Scientific Institutions</i>	<i>Financial Year</i>	<i>Funds Sanctioned (In Rs)</i>	<i>Funds Released (In Rs)</i>
1	Risk assessment of nanoparticle accumulation in soils: Effects of metal oxide nanoparticles on soil bacterial communities, soil microbial processes and evaluation of phytotoxicity using genomic approaches	ICAR-Indian Institute of Spice Research (IISR), Kozhikode	2021-22	2164844	1729086

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
2	Network Project "Eco- Systems, Agribusiness and Institutions" Component 1: "Impact Assessment of Agricultural Technology".	ICAR- Central Marine Fisheries Research Institute (CMFRI), Kochi	2021-22	1500000	1500000
3	Dr. R. Anandan, ICAR- National Fellow Scheme	ICAR- Central Institute of Fisheries Technology (CIFT), Cochin	2021-222	4837148	4837148
4	Network Project "Eco- Systems, Agribusiness and Institutions" Component 1: "Impact Assessment of Agricultural Technology".	ICAR- CMFRI, Kochi	2021-22	1500000	1500000
5	Genomics-assisted identification of trait-specific markers for major biotic and abiotic stresses and development of core collections of black pepper	ICAR- Indian Institute of Spices Research, Calicut, Kerala	2021-22	2000000	2000000
6	Network Project on Conservation of Lac Insect Genetic Resources	Kerala Forest Research Institute (KFRI), Thrissur (Kerala)	2021-22	1480000	1480000
7	National Innovations in Climate Resilient Agriculture (NICRA)	Indian Institute of Spices Research, Kozhikode;	2021-22	16970000	16970000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
8	AICRP-Integrated Farming Systems	Integrated Farming Systems Research Centre, Kerala Agricultural University, Thrissur	2021-22	15277000	15277000
9	AINP-Natural Farming	ICAR-Central Tuber Crops Research Institute, Thiruvananthapuram	2021-22	2550000	2550000
10	AINP-Natural Farming	ICAR-Indian Institute of Spices Research, Calicut	2021-22	1192000	1192000
11	All India Coordinated Research Project on Long Term Fertilizer Experiments	RARS, Kerala Agricultural University, Pattambi	2021-22	3565000	3565000
12	All India Network Programme on Natural Farming (Funded by ICAR)	ICAR- Central Tuber Crops Research Institute (CTCRI), Thiruvananthapuram	2021-22	2549000	2549000
13	AICRP on PHET	ICAR-CTCRI, Thiruvananthapuram	2021-22	910000	910000
14	IP & TM Scheme 'National Agricultural Innovation Fund (NAIF)' Component I : Innovation fund	ICAR-CTCRI, Thiruvananthapuram	2021-22	3180000	3180000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
15	IP & TM Scheme 'National Agricultural Innovation Fund (NAIF)' Component I : Innovation fund	ICAR-CTCRI, Thiruvananthapuram	2021-22	664000	664000
16	Characterizing genetic resources to identify core collections and their long-term conservation	ICAR-IISR, Kozhikode	2021-22	39030120	39030120
17	Genomics assisted breeding for trait specific varieties in spices	ICAR-IISR, Kozhikode	2021-22	47703480	47703480
18	Enhancing input-use efficiency and productivity in spices through smart farming	ICAR-IISR, Kozhikode	2021-22	47703480	47703480
19	Value addition in spices through post-harvest interventions and product diversification	ICAR-IISR, Kozhikode	2021-22	30356760	30356760
20	Ensuring food safety in spices through value chain management	ICAR-IISR, Kozhikode	2021-22	13010040	13010040
21	Bio-intensive management of pests and diseases in spices	ICAR-IISR, Kozhikode	2021-22	21665100	21665100
22	All India Network Project on Fish Health	ICAR-CIFT, Kochi	2021-22	1700000	1700000
23	Development of a foldable smart live fish transportation system for distant trade of table fish	ICAR-CIFT, Kochi	2021-22	1625000	1625000
24	Reference Lab	ICAR-CIFT, Kochi	2021-22	2500000	2500000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
25	Establishing Value Chain for Coastal and Small Indigenous Freshwater Fish Species: Towards Nutritional Security for Rural Population (International)	ICAR-CIFT, Kochi	2021-22	2200000	2200000
26	Biomodulation of marine biopolymers for the preparation of biomaterials of healthcare importance	ICAR-CIFT, Kochi	2021-22	3920000	3920000
27	NETSCoFAN	ICAR-CIFT, Kochi	2021-22	500000	500000
28	Green clean and affordable energy for fishermen community: Development of a multipurpose solar thermal conversion system with gasifier/biomass heater back up	ICAR-CIFT, Kochi	2021-22	823000	823000
29	National surveillance programme for aquatic animal diseases	ICAR-CIFT, Kochi	2021-22	2240000	2240000
30	DOSA - Diagnostics for One Health and User Driven Solutions for AMR (International)	ICAR-CIFT, Kochi	2021-22	2450000	2450000
31	DOSA - Diagnostics for One Health and User Driven Solutions for AMR (International)	ICAR-CIFT, Kochi	2021-22	2450000	2450000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
32	Determining Seasonal and Spatial Occurrence of Multiclass Endocrine Disrupting Chemicals in the Fishes, Crustaceans and Molluscs of the Vembanad Urban Estuary : Risk Assessment by an Untargeted Metabolomics Approach	ICAR-CIFT, Kochi	2021-22	1159000	1159000
33	Does antimicrobial resistance (AMR) in livestock contribute to AMR in people in NE India? An interdisciplinary study investigating antibiotic use, drivers of AMR, and transmission dynamics	ICAR-CIFT, Kochi	2021-22	1835000	1835000
34	Improved coconut wood canoes for small scale fishing sector of south east coast of India	ICAR-CIFT, Kochi	2021-22	1157000	1157000
35	Screening lytic phages from diverse marine and aquatic niche for controlling bacterial pathogens associated with aquaculture and post-harvest fish quality	ICAR-CIFT, Kochi	2021-22	2004000	2004000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
36	Global warming potential (GWP) of mechanized fishing methods of India and mitigation strategies- Analysis using Life Cycle Assessment and Data environment analysis	ICAR-CIFT, Kochi	2021-22	838000	838000
37	Design and development of hot air assisted continuous infrared drying system for high value fish and fishery products	ICAR-CIFT, Kochi	2021-22	900000	900000
38	Zonal Technology Management-Business Planning and Development unit	ICAR-CIFT, Kochi	2021-22	15594000	15594000
39	Marine Fishery in Kerala- A study on evolution of policy, cost and earnings of fishing units and income of fisher households	ICAR-CIFT, Kochi	2021-22	2031000	2031000
40	Future Refrigeration India: INDEE+ (International)	ICAR-CIFT, Kochi	2021-22	2016000	2016000
41	Development of portable fish freshness assessment sensor	ICAR-CIFT, Kochi	2021-22	866000	866000
42	Food, gender, enterprise: Leveraging interdisciplinary for sustainable small scale fisheries (International)	ICAR-CIFT, Kochi	2021-22	1344000	1344000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
43	Fine tuning of CIFT-TED for adoption in the trawl fisheries for the certification of marine shrimp harvested from India	ICAR-CIFT, Kochi	2021-22	1948000	1948000
44	Developing of biorefinery work flow for high value nutraceuticals from seaweed by Green Chemistry approach	ICAR-CIFT, Kochi	2021-22	1322000	1322000
45	E G Silas Centre of Excellence and Innovation (EGS-CoEI) in marine fish microbiome and nutrigenomics	ICAR-CMFRI, Kochi (DBT)	2021-22	6652000	6652000
46	De Novo whole genome and transcriptome sequencing of Asian Green Mussel, Perna viridis	ICAR-CMFRI, Kochi (DBT)	2021-22	3541000	0
TOTAL				323422972	319446214
47	Risk assessment of nanoparticle accumulation in soils: Effects of metal oxide nanoparticles on soil bacterial communities, soil microbial processes and evaluation of phytotoxicity using genomic approaches	ICAR-IISR, Kozhikode	2022-23	3196508	1912696

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
48	A detailed Foodomics study for food authentication and exploration of nutraceutical potential	ICAR-CIFT, Cochin	2022-23	2899500	2899500
49	Development of small molecular weight bioactives and polysaccharides from marine and coastal bivalves to develop prospective nutraceutical products	ICAR-CMFRI, Cochin	2022-23	1622104	1622104
50	Network Project "Eco- Systems, Agribusiness and Institutions" Component 1: "Impact Assessment of Agricultural Technology".	ICAR- CMFRI, Kochi	2022-23	1548000	1548000
51	Dr. R. Anandan, ICAR- National Fellow Scheme	ICAR- Central Institute of Fisheries Technology, Cochin	2022-23	8503600	8503600
52	Network Project "Eco- Systems, Agribusiness and Institutions" Component 1: "Impact Assessment of Agricultural Technology".	ICAR- CMFRI, Kochi	2022-23	1548000	1548000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
53	Genomics-assisted identification of trait-specific markers for major biotic and abiotic stresses and development of core collections of black pepper	ICAR- Indian Institute of Spices Research, Calicut, Kerala	2022-23	2000000	2000000
54	Network Project on Conservation of Lac Insect Genetic Resources	Kerala Forest Research Institute (KFRI), Thrissur (Kerala)	2022-23	805000	805000
55	National Innovations in Climate Resilient Agriculture (NICRA)	Indian Institute of Spices Research, Kozhikode;	2022-23	12750000	12750000
56	AICRP-Integrated Farming Systems	Integrated Farming Systems Research Centre, Kerala Agricultural University, Thrissur	2022-23	14500000	14500000
57	AINP-Natural Farming	ICAR-Central Tuber Crops Research Institute, Thiruvananthapuram	2022-23	1793000	1793000
58	AINP-Natural Farming	ICAR-Indian Institute of Spices Research, Calicut	2022-23	970000	970000
59	All India Coordinated Research Project on Long Term Fertilizer Experiments	RARS, Kerala Agricultural University, Pattambi	2022-23	4242000	4242000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
60	All India Network Programme on Natural Farming (Funded by ICAR)	ICAR- CTCRI, Thiruvananthapuram	2022-23	1793000	1793000
61	AICRP on PHET	ICAR-CTCRI, Thiruvananthapuram	2022-23	722000	722000
62	Radiation technology for quality improvement of tuber crops and management of its byproducts Funding agency Department of Atomic Energy, Bhabha Atomic Research Centre (BARC)	ICAR- CTCRI, Thiruvananthapuram	2022-23	4095000	4095000
63	IP & TM Scheme 'National Agricultural Innovation Fund (NAIF)' Component I : Innovation fund	ICAR-CTCRI, Thiruvananthapuram	2022-23	941000	941000
64	IP & TM Scheme 'National Agricultural Innovation Fund (NAIF)' Component I : Innovation fund	ICAR-CTCRI, Thiruvananthapuram	2022-23	2317000	2317000
65	Soil health management in coconut based cropping system involving tuber crops for enhanced yield and income	ICAR-CTCRI, Thiruvananthapuram	2022-23	1000000	1000000
66	Characterizing genetic resources to identify core collections and their long-term conservation	ICAR-IISR, Kozhikode	2022-23	45837180	45837180

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
67	Genomics assisted breeding for trait specific varieties in spices	ICAR-IISR, Kozhikode	2022-23	56023320	56023320
68	Enhancing input-use efficiency and productivity in spices through smart farming	ICAR-IISR, Kozhikode	2022-23	56023220	56023220
69	Value addition in spices through post-harvest interventions and product diversification	ICAR-IISR, Kozhikode	2022-23	35651140	35651140
70	Ensuring food safety in spices through value chain management	ICAR-IISR, Kozhikode	2022-23	15279060	15279060
71	Bio-intensive management of pests and diseases in spices	ICAR-IISR, Kozhikode	2022-23	25465100	25465100
72	All India Network Project on Fish Health	ICAR-CIFT, Kochi	2022-23	1700000	1700000
73	Development of a foldable smart live fish transportation system for distant trade of table fish	ICAR-CIFT, Kochi	2022-23	1625000	1625000
74	Reference Lab	ICAR-CIFT, Kochi	2022-23	2500000	2500000
75	Establishing Value Chain for Coastal and Small Indigenous Freshwater Fish Species: Towards Nutritional Security for Rural Population (International)	ICAR-CIFT, Kochi	2022-23	2200000	2200000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
76	Biomodulation of marine biopolymers for the preparation of biomaterials of healthcare importance	ICAR-CIFT, Kochi	2022-23	3920000	3920000
77	NETSCoFAN	ICAR-CIFT, Kochi	2022-23	500000	500000
78	Green clean and affordable energy for fishermen community: Development of a multipurpose solar thermal conversion system with gasifier/biomass heater back up	ICAR-CIFT, Kochi	2022-23	823000	823000
79	National surveillance programme for aquatic animal diseases	ICAR-CIFT, Kochi	2022-23	2240000	2240000
80	Design and development of hot air assisted continuous infrared drying system for high value fish and fishery products	ICAR-CIFT, Kochi	2022-23	900000	900000
81	Zonal Technology Management-Business Planning and Development unit	ICAR-CIFT, Kochi	2022-23	15594000	15594000
82	Marine Fishery in Kerala- A study on evolution of policy, cost and earnings of fishing units and income of fisher households	ICAR-CIFT, Kochi	2022-23	2031000	2031000
83	Future Refrigeration India: INDEE+ (International)	ICAR-CIFT, Kochi	2022-23	2016000	2016000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
84	Development of portable fish freshness assessment sensor	ICAR-CIFT, Kochi	2022-23	866000	866000
85	Replacement of Kerosene OBM with experimental inboard/Outboard diesel propulsion in small scale fishing boats of Kerala"	ICAR-CIFT, Kochi	2022-23	1677000	1677000
86	Fine tuning of CIFT-TED for adoption in the trawl fisheries for the certification of marine shrimp harvested from India	ICAR-CIFT, Kochi	2022-23	1948000	1948000
87	Fine tuning of CIFT-TED for adoption in the trawl fisheries for the certification of marine shrimp harvested from India	ICAR-CIFT, Kochi	2022-23	200000	200000
88	Matrix specific phage formulations for the bio-control of enterotoxigenic Methicillin sensitive and resistant Staphylococcus aureus of safety concern	ICAR-CIFT, Kochi	2022-23	918000	918000
89	Matrix specific phage formulations for the bio-control of enterotoxigenic Methicillin sensitive and resistant Staphylococcus aureus of safety concern	ICAR-CIFT, Kochi	2022-23	918000	918000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
90	The pilot scale demonstration of seaweed based feed production for fish and shrimp	ICAR-CIFT, Kochi	2022-23	1200000	1200000
91	The pilot scale demonstration of seaweed based feed production for fish and shrimp	ICAR-CIFT, Kochi	2022-23	1200000	1200000
92	The pilot scale implementation of “Smart Packing Technology: Fish freshness indicator” at field level to enhance domestic fish consumption.	ICAR-CIFT, Kochi	2022-23	1013000	1013000
93	The pilot scale implementation of “Smart Packing Technology: Fish freshness indicator” at field level to enhance domestic fish consumption.	ICAR-CIFT, Kochi	2022-23	1013000	1013000
94	Network project on Production system, Agribusiness and Institutions	ICAR-CIFT, Kochi	2022-23	150000	150000
95	Developing of biorefinery work flow for high value nutraceuticals from seaweed by Green Chemistry approach	ICAR-CIFT, Kochi	2022-23	1322000	1322000
96	A detailed Foodomics study for food authentication and exploration of nutraceutical potential”	ICAR-CIFT, Kochi	2022-23	2930000	2930000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
97	Development and popularization of fuel efficient long lasting otter boards for greening the trawl fishing sector in India	ICAR-CIFT, Kochi	2022-23	3630000	3630000
98	E G Silas Centre of Excellence and Innovation (EGS-CoEI) in marine fish microbiome and nutrigenomics	ICAR-CMFRI, Kochi (DBT)	2022-23	5312000	5312000
99	De Novo whole genome and transcriptome sequencing of Asian Green Mussel, Perna viridis	ICAR-CMFRI, Kochi (DBT)	2022-23	2941000	0
100	Science Technology and Innovation Hub in fisheries sector, Kochi corporation, Ernakulam District, Kerala State.	ICAR-CMFRI, Kochi DST-SEED	2022-23	12121000	12121000
TOTAL				376932732	372707920
101	Risk assessment of nanoparticle accumulation in soils: Effects of metal oxide nanoparticles on soil bacterial communities, soil microbial processes and evaluation of phytotoxicity using genomic approaches	ICAR-IISR, Kozhikode	2023-24	1182624	1182624
102	A detailed Foodomics study for food authentication and exploration of nutraceutical potential	ICAR-CIFT, Cochin	2023-24	2551500	2551500

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
103	Development of small molecular weight bioactives and polysaccharides from marine and coastal bivalves to develop prospective nutraceutical products	ICAR-CMFRI, Cochin	2023-24	1236356	1236356
104	The changing dynamics of labour migration on employment, livelihoods and resource productivity patterns in Indian marine fisheries sector	ICAR-CMFRI, Kochi	2023-24	1364500	1364500
105	Global Value Chain analysis of plantation crops of India with special emphasis on food safety standards	ICAR-CPCRI, Kasaragod	2023-24	1038183	808514
106	Development of smart foods, bio-composites, Green packaging and bio-energy from Agro-residues	ICAR-CTCRI, Thiruvananthapuram	2023-24	5889500	5784124
107	Integrating whole genome resequencing, transcriptome sequencing and genome wide association analysis for allele mining of yield and quality traits in Black pepper and Cardamom	ICAR-IISR, Kozhikode	2023-24	500000	500000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
108	Network Project "Eco- Systems, Agribusiness and Institutions" Component 1: "Impact Assessment of Agricultural Technology".	ICAR- CMFRI, Kochi	2023-24	2150000	2150000
109	Dr. R. Anandan, ICAR- National Fellow Scheme	ICAR- Central Institute of Fisheries Technology, Cochin	2023-24	1942895	1942895
110	Network Project "Eco- Systems, Agribusiness and Institutions" Component 1: "Impact Assessment of Agricultural Technology".	ICAR- CMFRI, Kochi	2023-24	2150000	2150000
111	Genomics-assisted identification of trait-specific markers for major biotic and abiotic stresses and development of core collections of black pepper	ICAR- Indian Institute of Spices Research, Calicut, Kerala	2023-24	2000000	2000000
112	Network Project on Conservation of Lac Insect Genetic Resources	Kerala Forest Research Institute (KFRI), Thrissur (Kerala)	2023-24	1101000	1101000
113	National Innovations in Climate Resilient Agriculture (NICRA)	Indian Institute of Spices Research, Kozhikode;	2023-24	21217000	21217000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
114	AICRP-Integrated Farming Systems	Integrated Farming Systems Research Centre, Kerala Agricultural University, Thrissur	2023-24	8840000	8840000
115	AINP-Natural Farming	ICAR-Central Tuber Crops Research Institute, Thiruvananthapuram	2023-24	2870000	2870000
116	AINP-Natural Farming	ICAR-Indian Institute of Spices Research, Calicut	2023-24	1187000	1187000
117	All India Coordinated Research Project on Long Term Fertilizer Experiments	RARS, Kerala Agricultural University, Pattambi	2023-24	4990000	4990000
118	All India Network Programme on Natural Farming (Funded by ICAR)	ICAR- CTCRI, Thiruvananthapuram	2023-24	2865000	2865000
119	Development of smart foods, biocomposites, green packaging, and bio energy from Agro-residues (NASF funded)	ICAR- CTCRI, Thiruvananthapuram	2023-24	5889500	5889500
120	AICRP on PHET	ICAR-CTCRI, Thiruvananthapuram	2023-24	2030000	1710000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
121	Collection and Database Creation of Important Named Landraces of Tuber Crops from Southern Districts of Kerala (Kerala State Biodiversity Board (KSBB))	ICAR-CTCRI, Thiruvananthapuram	2023-24	400000	400000
122	IP & TM Scheme 'National Agricultural Innovation Fund (NAIF)' Component I : Innovation fund	ICAR-CTCRI, Thiruvananthapuram	2023-24	1150000	1150000
123	IP & TM Scheme 'National Agricultural Innovation Fund (NAIF)' Component I : Innovation fund	ICAR-CTCRI, Thiruvananthapuram	2023-24	3352000	3352000
124	Soil health management in coconut based cropping system involving tuber crops for enhanced yield and income	ICAR-CTCRI, Thiruvananthapuram	2023-24	1100000	1100000
125	Genomics assisted breeding for trait specific varieties in spices	ICAR-IISR, Kozhikode	2023-24	64998920	64998920
126	Enhancing input-use efficiency and productivity in spices through smart farming	ICAR-IISR, Kozhikode	2023-24	59346840	59346840
127	Value addition in spices through post-harvest interventions and product diversification	ICAR-IISR, Kozhikode	2023-24	33912480	33912480

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
128	Ensuring food safety in spices through value chain management	ICAR-IISR, Kozhikode	2023-24	16956240	16956240
129	Bio-intensive management of pests and diseases in spices	ICAR-IISR, Kozhikode	2023-24	33912480	33912480
130	All India Network Project on Fish Health	ICAR-CIFT, Kochi	2023-24	1700000	1700000
131	Development of a foldable smart live fish transportation system for distant trade of table fish	ICAR-CIFT, Kochi	2023-24	1625000	1625000
132	Reference Lab	ICAR-CIFT, Kochi	2023-24	2500000	2500000
133	Establishing Value Chain for Coastal and Small Indigenous Freshwater Fish Species: Towards Nutritional Security for Rural Population (International)	ICAR-CIFT, Kochi	2023-24	2200000	2200000
134	Zonal Technology Management-Business Planning and Development unit	ICAR-CIFT, Kochi	2023-24	15594000	15594000
135	Marine Fishery in Kerala- A study on evolution of policy, cost and earnings of fishing units and income of fisher households	ICAR-CIFT, Kochi	2023-24	2031000	2031000
136	Future Refrigeration India: INDEE+ (International)	ICAR-CIFT, Kochi	2023-24	2016000	2016000
137	Development of portable fish freshness assessment sensor	ICAR-CIFT, Kochi	2023-24	866000	866000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
138	Fine tuning of CIFT-TED for adoption in the trawl fisheries for the certification of marine shrimp harvested from India	ICAR-CIFT, Kochi	2023-24	200000	200000
139	Matrix specific phage formulations for the bio-control of enterotoxigenic Methicillin sensitive and resistant Staphylococcus aureus of safety concern	ICAR-CIFT, Kochi	2023-24	918000	918000
140	The pilot scale demonstration of seaweed based feed production for fish and shrimp	ICAR-CIFT, Kochi	2023-24	1200000	1200000
141	The pilot scale implementation of “Smart Packing Technology: Fish freshness indicator” at field level to enhance domestic fish consumption.	ICAR-CIFT, Kochi	2023-24	1013000	1013000
142	Network project on Production system, Agribusiness and Institutions	ICAR-CIFT, Kochi	2023-24	150000	150000
143	Developing of biorefinery work flow for high value nutraceuticals from seaweed by Green Chemistry approach	ICAR-CIFT, Kochi	2023-24	1322000	1322000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
144	A detailed Foodomics study for food authentication and exploration of nutraceutical potential”	ICAR-CIFT, Kochi	2023-24	2930000	2930000
145	Development and popularization of fuel efficient long lasting otter boards for greening the trawl fishing sector in India	ICAR-CIFT, Kochi	2023-24	3630000	3630000
146	Development and popularization of fuel efficient long lasting otter boards for greening the trawl fishing sector in India	ICAR-CIFT, Kochi	2023-24	3630000	3630000
147	E G Silas Centre of Excellence and Innovation (EGS-CoEI) in marine fish microbiome and nutrigenomics	ICAR-CMFRI, Kochi (DBT)	2023-24	4952000	4952000
148	De Novo whole genome and transcriptome sequencing of Asian Green Mussel, Perna viridis	ICAR-CMFRI, Kochi (DBT)	2023-24	597000	0
149	Science Technology and Innovation Hub in fisheries sector, Kochi corporation, Ernakulam District, Kerala State.	ICAR-CMFRI, Kochi DST-SEED	2023-24	11467000	11467000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
150	Development of Polyketide and Oligosaccharide analogues from economically important seaweeds as prospective angiotensin converting enzyme inhibitors	ICAR-CMFRI, Kochi DBT	2023-24	4069000	4069000
151	Standardization of mass production and evaluation of resting egg production in tropical marine copepods for the use as live feed for fish larval rearing	ICAR-CMFRI, Kochi DBT	2023-24	6630000	6630000
152	Development of breeding and supply centre for damsel fishes	DBT-BIRAC	2023-24	2425000	2425000
TOTAL				361789018	360536973
153	A detailed Foodomics study for food authentication and exploration of nutraceutical potential	ICAR-CIFT, Cochin	2024-25	2541000	2480500
154	Development of small molecular weight bioactives and polysaccharides from marine and coastal bivalves to develop prospective nutraceutical products	ICAR-CMFRI, Cochin	2024-25	857692	818706

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
155	The changing dynamics of labour migration on employment, livelihoods and resource productivity patterns in Indian marine fisheries sector	ICAR-CMFRI, Kochi	2024-25	1397000	720000
156	Global Value Chain analysis of plantation crops of India with special emphasis on food safety standards	ICAR-CPCRI, Kasaragod	2024-25	1380528	948004
157	Development of smart foods, bio-composites, Green packaging and bio-energy from Agro-residues	ICAR-CTCRI, Thiruvananthapuram	2024-25	1044000	1019500
158	Integrating whole genome resequencing, transcriptome sequencing and genome wide association analysis for allele mining of yield and quality traits in Black pepper and Cardamom	ICAR-IISR, Kozhikode	2024-25	2815000	2574381
159	Integrating whole genome resequencing, transcriptome sequencing and genome wide association analysis for allele mining of yield and quality traits in Black pepper and Cardamom	KAU-CRS, Pampadumpara, Idukki	2024-25	577500	544596

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
160	Network Project "Eco- Systems, Agribusiness and Institutions" Component 1: "Impact Assessment of Agricultural Technology".	ICAR- CMFRI, Kochi	2024-25	2060000	2060000
161	Network Project "Eco- Systems, Agribusiness and Institutions" Component 1: "Impact Assessment of Agricultural Technology".	ICAR- CMFRI, Kochi	2024-25	2060000	2060000
162	Genomics-assisted identification of trait-specific markers for major biotic and abiotic stresses and development of core collections of black pepper	ICAR- Indian Institute of Spices Research, Calicut, Kerala	2024-25	2000000	2000000
163	Network Project on Conservation of Lac Insect Genetic Resources	Kerala Forest Research Institute (KFRI), Thrissur (Kerala)	2024-25	1278000	1278000
164	National Innovations in Climate Resilient Agriculture (NICRA)	Central Marine Fisheries Research Institute, Kochi	2024-25	19612500	19612500
165	AICRP-Integrated Farming Systems	Integrated Farming Systems Research Centre, Kerala Agricultural University, Thrissur	2024-25	9157000	9157000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
166	AINP-Natural Farming	ICAR-Central Tuber Crops Research Institute, Thiruvananthapuram	2024-25	2013000	2013000
167	AINP-Natural Farming	ICAR-Indian Institute of Spices Research, Calicut	2024-25	1126000	1126000
168	All India Coordinated Research Project on Long Term Fertilizer Experiments	RARS, Kerala Agricultural University, Pattambi	2024-25	6837000	6837000
169	All India Network Programme on Natural Farming (Funded by ICAR)	ICAR- CTCRI, Thiruvananthapuram	2024-25	2013000	2013000
170	Development of smart foods, biocomposites, green packaging, and bio energy from Agro-residues (NASF funded)	ICAR- CTCRI, Thiruvananthapuram	2024-25	1044000	1044000
171	AICRP on PHET	ICAR-CTCRI, Thiruvananthapuram	2024-25	1800000	1800000
172	IP & TM Scheme 'National Agricultural Innovation Fund (NAIF)' Component I : Innovation fund	ICAR-CTCRI, Thiruvananthapuram	2024-25	754000	754000
173	IP & TM Scheme 'National Agricultural Innovation Fund (NAIF)' Component I : Innovation fund	ICAR-CTCRI, Thiruvananthapuram	2024-25	4862000	4862000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
174	Soil health management in coconut based cropping system involving tuber crops for enhanced yield and income	ICAR-CTCRI, Thiruvananthapuram	2024-25	1200000	1200000
175	Characterizing genetic resources to identify core collections and their long-term conservation	ICAR-IISR, Kozhikode	2024-25	64270800	64270800
176	Genomics assisted breeding for trait specific varieties in spices	ICAR-IISR, Kozhikode	2024-25	82123800	82123800
177	Enhancing input-use efficiency and productivity in spices through smart farming	ICAR-IISR, Kozhikode	2024-25	74982600	74982600
178	Value addition in spices through post-harvest interventions and product diversification	ICAR-IISR, Kozhikode	2024-25	42847200	42847200
179	Ensuring food safety in spices through value chain management	ICAR-IISR, Kozhikode	2024-25	21423600	21423600
180	Bio-intensive management of pests and diseases in spices	ICAR-IISR, Kozhikode	2024-25	42847200	42847200
181	All India Network Project on Fish Health	ICAR-CIFT, Kochi	2024-25	1700000	1700000
182	Zonal Technology Management-Business Planning and Development unit	ICAR-CIFT, Kochi	2024-25	15594000	15594000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
183	Marine Fishery in Kerala- A study on evolution of policy, cost and earnings of fishing units and income of fisher households	ICAR-CIFT, Kochi	2024-25	2031000	2031000
184	Future Refrigeration India: INDEE+ (International)	ICAR-CIFT, Kochi	2024-25	2016000	2016000
185	Fine tuning of CIFT-TED for adoption in the trawl fisheries for the certification of marine shrimp harvested from India	ICAR-CIFT, Kochi	2024-25	200000	200000
186	Matrix specific phage formulations for the bio-control of enterotoxigenic Methicillin sensitive and resistant Staphylococcus aureus of safety concern	ICAR-CIFT, Kochi	2024-25	918000	918000
187	The pilot scale implementation of “Smart Packing Technology: Fish freshness indicator” at field level to enhance domestic fish consumption.	ICAR-CIFT, Kochi	2024-25	1013000	1013000
188	Network project on Production system, Agribusiness and Institutions	ICAR-CIFT, Kochi	2024-25	150000	150000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
189	A detailed Foodomics study for food authentication and exploration of nutraceutical potential”	ICAR-CIFT, Kochi	2024-25	2930000	2930000
190	Development and popularization of fuel efficient long lasting otter boards for greening the trawl fishing sector in India	ICAR-CIFT, Kochi	2024-25	1200000	1200000
191	E G Silas Centre of Excellence and Innovation (EGS-CoEI) in marine fish microbiome and nutrigenomics	ICAR-CMFRI, Kochi (DBT)	2024-25	4342000	2186000
192	Science Technology and Innovation Hub in fisheries sector, Kochi corporation, Ernakulam District, Kerala State.	ICAR-CMFRI, Kochi DST-SEED	2024-25	8305000	8305000
193	Development of Polyketide and Oligosaccharide analogues from economically important seaweeds as prospective angiotensin converting enzyme inhibitors	ICAR-CMFRI, Kochi DBT	2024-25	1021000	1021000
194	Standardization of mass production and evaluation of resting egg production in tropical marine copepods for the use as live feed for fish larval rearing	ICAR-CMFRI, Kochi	2024-25	2570000	2570000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
195	Development of breeding and supply centre for damsel fishes	DBT-BIRAC	2024-25	1675000	1675000
TOTAL				442589420	438926387
196	A detailed Foodomics study for food authentication and exploration of nutraceutical potential	ICAR-CIFT, Cochin	2025-26	504790	493290
197	Development of small molecular weight bioactives and polysaccharides from marine and coastal bivalves to develop prospective nutraceutical products	ICAR-CMFRI, Cochin	2025-26	257811	241291
198	The changing dynamics of labour migration on employment, livelihoods and resource productivity patterns in Indian marine fisheries sector	ICAR-CMFRI, Kochi	2025-26	1757790	1640000
199	Global Value Chain analysis of plantation crops of India with special emphasis on food safety standards	ICAR-CPCRI, Kasaragod	2025-26	1553200	1260600
200	Development of smart foods, bio-composites, Green packaging and bio-energy from Agro-residues	ICAR-CTCRI, Thiruvananthapuram	2025-26	982145	944645

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
201	Integrating whole genome resequencing, transcriptome sequencing and genome wide association analysis for allele mining of yield and quality traits in Black pepper and Cardamom	ICAR-IISR, Kozhikode	2025-26	2583000	2583000
202	Integrating whole genome resequencing, transcriptome sequencing and genome wide association analysis for allele mining of yield and quality traits in Black pepper and Cardamom	KAU-CRS, Pampadumpara, Idukki	2025-26	640500	616799
203	Pangenome delineation and genome-wide association studies for NLRome and structural variation for seed sterility mapping in ginger (Zingiberofficinale Roscoe)	ICAR- IISR, Kozhikode	2025-26	1078217	1078217
204	Value addition of untapped agricultural by-products to produce protein concentrate for marine food fish diet: Nutrigenomic approach to understand the real time expression of metabolism, growth and immune genes	ICAR-CMFRI, Kochi	2025-26	298850	298850

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
205	Network Project "Eco- Systems, Agribusiness and Institutions" Component 1: "Impact Assessment of Agricultural Technology".	ICAR- CMFRI, Kochi	2025-26	2180000	2180000
206	Network Project "Eco- Systems, Agribusiness and Institutions" Component 1: "Impact Assessment of Agricultural Technology".	ICAR- CMFRI, Kochi	2025-26	2180000	2180000
207	Genomics-assisted identification of trait-specific markers for major biotic and abiotic stresses and development of core collections of black pepper	ICAR- Indian Institute of Spices Research, Calicut, Kerala	2025-26	2000000	2000000
208	Network Project on Conservation of Lac Insect Genetic Resources	Kerala Forest Research Institute (KFRI), Thrissur (Kerala)	2025-26	919000	919000
209	National Innovations in Climate Resilient Agriculture (NICRA)	Central Marine Fisheries Research Institute, Kochi	2025-26	12208000	12208000
210	AICRP-Integrated Farming Systems	Integrated Farming Systems Research Centre, Kerala Agricultural University, Thrissur	2025-26	9530000	9530000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
211	AINP-Natural Farming	ICAR-Central Tuber Crops Research Institute, Thiruvananthapuram	2025-26	1269000	1269000
212	AINP-Natural Farming	ICAR-Indian Institute of Spices Research, Calicut	2025-26	867000	867000
213	National Mission on Natural Farming-Competitive Research Grant	ICAR-Central Tuber Crops Research Institute, Thiruvananthapuram	2025-26	2240000	2128000
214	All India Coordinated Research Project on Long Term Fertilizer Experiments	RARS, Kerala Agricultural University, Pattambi	2025-26	5723000	5723000
215	All India Network Programme on Natural Farming (Funded by ICAR)	ICAR- CTCRI, Thiruvananthapuram	2025-26	1269000	1269000
216	Development of smart foods, biocomposites, green packaging, and bio energy from Agro-residues	ICAR- CTCRI, Thiruvananthapuram	2025-26	982145	982145
217	AICRP on PHET	ICAR-CTCRI, Thiruvananthapuram	2025-26	1800000	1300000
218	IP & TM Scheme 'National Agricultural Innovation Fund (NAIF)' Component I: Innovation fund	ICAR-CTCRI, Thiruvananthapuram	2025-26	763000	763000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
219	IP & TM Scheme 'National Agricultural Innovation Fund (NAIF)' Component I: Innovation fund	ICAR-CTCRI, Thiruvananthapuram	2025-26	850000	850000
220	Characterizing genetic resources to identify core collections and their long-term conservation	ICAR-IISR, Kozhikode	2025-26	50080200	50080200
221	Genomics assisted breeding for trait specific varieties in spices	ICAR-IISR, Kozhikode	2025-26	80128320	80128320
222	Enhancing input-use efficiency and productivity in spices through smart farming	ICAR-IISR, Kozhikode	2025-26	66773600	66773600
223	Value addition in spices through post-harvest interventions and product diversification	ICAR-IISR, Kozhikode	2025-26	26709440	26709440
224	Ensuring food safety in spices through value chain management	ICAR-IISR, Kozhikode	2025-26	33386800	33386800
225	Bio-intensive management of pests and diseases in spices	ICAR-IISR, Kozhikode	2025-26	23370760	23370760
226	All India Network Project on Fish Health	ICAR-CIFT, Kochi	2025-26	1700000	1700000
227	Zonal Technology Management-Business Planning and Development unit	ICAR-CIFT, Kochi	2025-26	15594000	15594000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
228	Network project on Production system, Agribusiness and Institutions	ICAR-CIFT, Kochi	2025-26	150000	150000
229	Development and popularization of fuel-efficient long-lasting otter boards for greening the trawl fishing sector in India	ICAR-CIFT, Kochi	2025-26	1200000	1200000
230	Development of Polyketide and Oligosaccharide analogues from economically important seaweeds as prospective angiotensin converting enzyme inhibitors	ICAR-CMFRI, Kochi DBT	2025-26	1005000	1005000
231	Standardization of mass production and evaluation of resting egg production in tropical marine copepods for the use as live feed for fish larval rearing	ICAR-CMFRI, Kochi DBT	2025-26	2681000	2681000
TOTAL				357215568	356103957
DEPARTMENT OF BIOTECHNOLOGY (DBT)					
Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
1	AI-Driven Large-scale Screening for Oral and Oropharyngeal Cancer (AIDOScan) (BT/PR41072/Swdn/135/14/2020)	Centre for Development of Advanced Computing, Thiruvananthapuram	2021-22	7330280.00	10285822.00

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
2	AI-Driven Large-scale Screening for Oral and Oropharyngeal Cancer (AIDOScan) (BT/PR41072/Swdn/135/14/2020)	Malabar Cancer Center	2021-22	1746200.00	1647407.00
3	AI-Driven Large-scale Screening for Oral and Oropharyngeal Cancer (AIDOScan) (BT/PR41072/Swdn/135/14/2020)	Regional Cancer Centre, Trivandrum	2021-22	2923040.00	3269275.00
4	Comprehensive mass spectrometry-based Clinical Lipidomics platforms for promoting biomedical research & advanced training for Indian researchers (BT/INF/22/SP44288/2021)	Rajiv Gandhi Centre for Biotechnology	2021-22	99548800.00	99406848.00
5	Creation of patient derived endometrial organoids for understanding the underlying causes of RIF. (BT/PR43283/MED/97/606/2021)	Rajiv Gandhi Centre for Biotechnology	2021-22	7632120.00	5847908.00
6	Design and validation of products based on bioactive self-setting injectable material ('CASPA') for dental tissue regeneration. (BT/PR42432/ATGC/127/135/2022)	SCTIMST, Thiruvananthapuram	2021-22	3346085.00	2407685.00

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
7	Developing organo-lime nanocomposites on graphene microstructures extracted from humic acids (BT/ATGC/127/SP41129/2021)	Kerala Forest Research Institute	2021-22	3113400.00	2624488.00
8	Development Of Genetically Encoded Fluorescent Single Cell Sensor For Cell Death And Ace2 Rbd S Protein Binding Inhibition (BT/PR43150/TRM/120/523/2021)	Rajiv Gandhi Centre for Biotechnology	2021-22	7644960.00	6527640.00
9	Development of plasticizer free acrylic denture soft liners using nanogel additives (BT/13/IYBA/2020/09)	SCTIMST, Thiruvananthapuram	2021-22	5950240.00	4684702.00
10	Exploring the biomarkers and their pertinence to develop a biosensor for detecting antibiotic pollutant and their by-products in the marine organisms and aquaculture food products (BT/HRD/MK-YRFP/50/20/2021)	Rajiv Gandhi Centre for Biotechnology	2021-22	8700000.00	5387831.00
11	Functional significance of cardiac mitochondrial subpopulations in type 2 diabetic Asian Indians (BT/HRD/MK-YRFP/50/19/2021)	Rajiv Gandhi Centre for Biotechnology	2021-22	8700000.00	8182001.00

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
12	Mission Program on Pediatric Rare Genetic Disorders (BT/PR45460/MED/12/952/2022)	Rajiv Gandhi Centre for Biotechnology	2021-22	10230400.00	5216133.00
13	National Translational Research Facility for Biomaterials, Medical Devices & In vitro diagnostics (IVDs) (BT/INF/22/SP45155/2022)	SCTIMST, Thiruvananthapuram	2021-22	95242320.00	85076800.00
14	Pre-clinical evaluation of the mechanistic and immunological pharmacodynamics of a novel saponin, Uttroside B (Utt-B), against Hepatocellular carcinoma (HCC) (BT/HRD/MK-YRFP/50/21/2021)	Rajiv Gandhi Centre for Biotechnology	2021-22	8700000.00	8688762.00
15	Synthesis and development of multifunctional benzoxazines from agro residues and its polymer composites as high performance materials. (BT/PR38777/NDB/39/748/2020)	CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)	2021-22	3950480.00	2837684.00
16	Technology Development and Clinical Validation of an Injectable Hydrogel for Repair of Articular Cartilage Defects (BT/ATGC/127/SP42324/2022)	SCTIMST, Thiruvananthapuram	2021-22	8077080.00	3115520.00
TOTAL				282835405.00	255206506.00

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
17	Device for the efficient and effective placement of hemostatic material on the walls of surgical cavity following the excision of brain Tumors. (BT/PR43018/MED/122/307/2021)	SCTIMST, Thiruvananthapuram	2022-23	1713040.00	881520.00
18	“Rural Bioresource Complex for tubers & millets in Kandhamal, Odisha” (BT/PR45562/SPD/24/866/2022)	Central Tuber Crops Research Institute	2022-23	1000000.00	1000000.00
19	CD19 CAR T cells to target refractory or relapsed B cell Acute Lymphoblastic Leukemia (r/r B-ALL) (BT/PR40655/MED/31/443/2020)	Rajiv Gandhi Centre for Biotechnology	2022-23	6170440.00	5972806.00
20	Development of Polyketide and Oligosaccharide Analogues from Economocally Important Seaweeds as Prospective Angiotensin Converting Enzyme Inhibitors (BT/PR40398/AAQ/3/995/2020)	Central Marine Fisheries Research Institute	2022-23	6094749.00	5990229.00

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
21	Development of seed production technology for the high value marine food fish, the Giant Trevally, Caranx ignobilis to enhance the seafood production and nutritional security (BT/PR40878/AAQ/3/1001/2020)	ICAR-Central Marine Fisheries Research Institute	2022-23	10782627.00	8390059.00
22	Omega-3 fatty acid enriched edible algal biomass as feed supplements (BT/PR40447/AAQ/3/998/2020)	CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)	2022-23	5590240.00	5346640.00
23	The porin passport control for antibiotic translocation: From single-molecule detection to biological relevance (BT/PR41427/BRB/10/1959/2020)	Rajiv Gandhi Centre for Biotechnology	2022-23	3529090.00	3391908.00
TOTAL				98560186.00	58681162.00
24	Development of accelerated biodegradation (aerobic and anaerobic) testing method for biodegradable plastics (BT/PR48089/BCE/8/1806/2023)	CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)	2023-24	2048000.00	1536000.00

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
25	Development of Indigenous point of care Transcranial Doppler (TCD) machine for patient management. (BT/PR50634/MED/32/956/2023)	SCTIMST, Thiruvananthapuram	2023-24	3096420.00	1206640.00
26	Engineering Anti-Zika virus neutralizing human monoclonal antibodies to reduce Fcy-receptor-mediated antibody dependent enhancement effect. (BT/PR51003/BIC/101/1306/2023)	Institute of Advanced Virology (IAV), Trivandrum	2023-24	4978000.00	0.00
27	Identification and understanding functional implications of dynamic association of ER alpha with epigenetic modifiers in breast cancer (BT/PR50706/BIC/101/1288/2023)	Rajiv Gandhi Centre for Biotechnology	2023-24	5558000.00	0.00
28	National Network Project on crop Bioinformatics: NNP of National Institute of Plant Genome Research, New Delhi (BT/PR40169/BTIS/137/71/2023)	ICAR- Indian Institute of Spices Research	2023-24	4034840.00	2123240.00
29	Poly-gamma-glutamic acid and its blends as biodegradable material and an alternative to single use plastics	National Institute for Interdisciplinary Science and Technology (NIIST)	2023-24	5210240.00	5163346.00

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
30	Role of a novel MECP2 mutation on transcriptome and secretome signatures of human iPSC turned Rett syndrome model of astroglia. (BT/PR50892/BIC/101/1279/2023)	Inter University Centre for Biomedical Research & Superspeciality Hospital Thalappady, Kottayam	2023-24	5998300.00	0.00
31	Role of untranslated RNA length control in anti-oxidant & inflammatory pathway in cardiac hypertrophy (HRD-16016/9/2023-AFS-DBT)	Rajiv Gandhi Centre for Biotechnology	2023-24	8700000.00	5416941.00
32	Standardization of mass production and evaluation of resting egg production in tropical marine copepods for the use as live feed for fish larval rearing	Central Marine Fisheries Research Institute	2023-24	11881554.00	9200354.00
TOTAL				51505354.00	24646521.00
33	Augmenting off-the-shelf $\gamma\delta$ T cell therapy in oral squamous cell carcinoma (OSCC) by targeted regulation of EZH2 (BT/PR50932/VRD/151/37/2023)	Rajiv Gandhi Centre for Biotechnology	2024-25	8263840.00	5328555.00
34	Centre of Excellence for Minimally Invasive Cardiovascular Devices (BT/PR48184/MED/32/828/2023)	SCTIMST, Thiruvananthapuram	2024-25	202835600.00	139788240.00

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
35	Centrosome duplication in stem cells- a novel function of histone chaperone APLF in shaping development (BT/PR51143/MED/31/471/2023)	Rajiv Gandhi Centre for Biotechnology	2024-25	7435681.00	7390681.00
36	Cryo-EM structure of a plant nucleoplasmin and its complex with nucleosome (BT/PR51030/PBN/18/7/2023)	Rajiv Gandhi Centre for Biotechnology	2024-25	6292560.00	6205240.00
37	Development of a rapid and reliable in vitro screening platform based on fluorescent reporter knock-in targeting host cell IFITM gene to identify photochemical immunomodulators against Dengue virus (BT/PR42261/TRM/120/526/2021)	Institute of Advanced Virology (IAV), Trivandrum	2024-25	3603040.00	3493027.00
38	Development of a sustainable aquafeed with docosaheaxaenoic acid rich Aurantiochytrium sp. as an alternative to fish oil for enhancing Silver pompano nutrition (BT/PR53448/BSA/33/132/2024)	ICAR - Central Institute of Fisheries Technology	2024-25	1610000.00	1060000.00
39		ICAR - Central Marine Fisheries Research Institute	2024-25	6534733.00	5301573.00

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
40	Development of new activity-based probes for understanding the role of non-apoptotic cell death pathways (BT/PR53587/BMS/85/164/2024)	Rajiv Gandhi Centre for Biotechnology	2024-25	7492560.00	4961240.00
41	Development of ultrasound assisted membrane bioreactor and aligned operational processes for sustainable enzyme reusable saccharification of cellulose-enriched waste biomass (BT/PR51413/PBD/26/848/2023)	CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)	2024-25	4024532.00	3849892.00
42	Engineered Ceramic – Titanium Systems for Hard Tissue Reconstruction (BT/PR50585/MED/32/1002/2023)	Sree Chitra Thirunal Institute of Medical Science and Technology	2024-25	17092400	8748733
43	Functional Dissection of Host Protein Import by Plasmodium for non-metabolic purposes (BT/PR53641/BMS/85/168/2024)	Rajiv Gandhi Centre for Biotechnology	2024-25	8092560	5105725
44	Functional membrane-spanning amyloid pores: from structure and assembly to medicine (BT/PR53613/BMS/85/242/2024)	Rajiv Gandhi Centre for Biotechnology	2024-25	6492560	4988220

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
45	Investigation of the impact of Microplastics on regulating Macrophages and Tumour Associated Macrophages during the progression of colitis associated colorectal cancer (BT/PR46235/BCE/8/1628/2022)	Regional Cancer Centre, Trivandrum	2024-25	4709560	2788910
46	Omics approaches in the Indian pompano, Trachinotus mookalee and the Indian edible oyster, Crassostrea bilineata (Magallana bilineata) to develop genomic resources for ensuring sustainable aquaculture (BT/PR47224/AAQ/3/1051/2022)	Central Marine Fisheries Research Institute	2024-25	14206688	9649408
47	Omics of Preeclampsia associated cardiovascular complications – An RNAcentric approach towards molecular understanding (BT/PR53188/BMS/85/196/2024)	Rajiv Gandhi Centre for Biotechnology	2024-25	8482160	3597120
48	Role of sars cov-2 nucleocapsid protein in complement activation and thromboinflammation (HRD-16016/6/2025-HRD-DBT)	Rajiv Gandhi Centre for Biotechnology	2024-25	9240000	6160000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
49	Unravelling the structural and stability attributes of nucleosomes composed of the unusual histone variant H2B.8, a major player regulating seed dormancy in angiosperms. (HRD-16016/4/2025-HRD-DBT)	Rajiv Gandhi Centre for Biotechnology	2024-25	9240000	6160000
50	Unravelling the true microbiome of finfish and shellfish during spoilage: Towards the development of rapid detection kit for fish spoilage (BT/PR46349/AAQ/3/1063/2022)	Central Institute of Fisheries Technology	2024-25	5700120	3827154
51	Viral Bio-assay Facility (VBaF) for Recombinant monoclonal antibody generation and Pseudovirion-based services for vaccine response and therapeutics evaluation (BT/INF/22/SP53419/2024)	Institute of Advanced Virology (IAV), Trivandrum	2024-25	66827204	36381765
TOTAL				398175798.00	264785483.00
52	A multi institutional validation study of predicting prostate cancer specific-mortality with AI-based grading system (IC-12043(12)/2/2025-BP-IUCA)	Centre for Development of Advanced Computing, Thiruvananthapuram	2025-26	20908856	13567720

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
53	A multi institutional validation study of predicting prostate cancer specific-mortality with AI-based grading system (IC-12043(12)/2/2025-BP-IUCA)	Regional Cancer Centre, Trivandrum	2025-26	5808036	1920200
54	Development and validation of brain cells-specific AAV vector library for antiviral shRNA delivering against Rabies: Treatment even after the virus entered the nervous system (BT/PR58544/CGT/170/2/2025)	Institute of Advanced Virology (IAV), Trivandrum	2025-26	6187040	3733520
55	Development of an integrated Deep Learning and molecular tool based expert system for early detection and identification of major insect pests and vector transmitted viruses of spice crops (BT/PR53708/AI/133/198/2024)	Indian Institute of Spices Research	2025-26	2161541	933621
56	Development of an integrated Deep Learning and molecular tool based expert system for early detection and identification of major insect pests and vector transmitted viruses of spice crops (BT/PR53708/AI/133/198/2024)	National Institute of Technology Calicut (Academic)	2025-26	1686880	563960

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
57	Formulation of serum free growth media for the derivation and differentiation of bovine embryonic stem cells to muscle stem cells: a sustainable plant-based indigenous alternative for the production of cultured meat. (BT/PR58672/FFSP/171/48/2025)	Rajiv Gandhi Centre for Biotechnology	2025-26	21257340	17125280
58	Genetic and Epigenetic drivers of chewing tobacco (Kaddipudi) habited woman oral cancer patients (BT/PR53046/MED/30/2555/2024)	Rajiv Gandhi Centre for Biotechnology	2025-26	4942560	1623920
59	Geometry Directed Functional Programming of Peptide based drug delivery (BT/PR51306/NER/95/1993/2023)	Rajiv Gandhi Centre for Biotechnology	2025-26	2836800	945600
60	Mechanism and regulation of RNAPII transcription and associated functions by DSIF like complex during Toxoplasma stage differentiation (BT/PR54828/BMS2/156/93/2024)	Rajiv Gandhi Centre for Biotechnology	2025-26	7600020	3812100

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
61	Novel Thermostable circular RNA vector for vaccine delivery: Pandemic Preparedness against Emerging Viral Infections (BT/PR63656/MRNAR/169/2/2025)	Rajiv Gandhi Centre for Biotechnology	2025-26	6077920	3038960
62	Support for the first two batches of 'i3C BRIC-RCB PhD Programme' (AI-99013/13/2024-MED-DBT)	Rajiv Gandhi Centre for Biotechnology	2025-26	45000000	4000000
63	Sustainable Biocatalytic Production of Galacto-Oligosaccharides, as High-Value Functional Nutraceuticals Using Enzyme Membrane Bioreactor-Assisted β-Galactosidase Processing (BT/PR61421/BME/172/82/2025)	CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)	2025-26	5067818	4038858

<i>Sl. No.</i>	<i>Details of the Research Project</i>	<i>Details of Centres of Excellence and Scientific Institutions</i>	<i>Financial Year</i>	<i>Funds Sanctioned (In Rs)</i>	<i>Funds Released (In Rs)</i>
64	Sustainable Biocatalytic Production of Galacto-Oligosaccharides, as High-Value Functional Nutraceuticals Using Enzyme Membrane Bioreactor-Assisted β-Galactosidase Processing (BT/PR61421/BME/172/82/2025)	Kerala Veterinary and Animal Sciences University	2025-26	1771200	885600
TOTAL				131306011.00	56189339.00
(ii) The details of the R&D projects supported by the BIRAC, PSU of the Department of Biotechnology in last five financial years in the state of Kerala are mentioned below:					
<i>Sl. No.</i>	<i>Details of the Research Project</i>	<i>Details of Centres of Excellence and Scientific Institutions</i>	<i>Financial Year</i>	<i>Funds Sanctioned (In Rs)</i>	<i>Funds Released (In Rs)</i>
65	Development of a bio process for the commercial production of the plant growth stimulant Gibberellic acid GA3	CSIR–National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)	2021-22	3244000	871544
66	Novel technique of developing trans-catheter heart valve from human homo graft for per-cutaneous pulmonary valve replacement	SCTIMST, Thiruvananthapuram (SCTIMST)	2021-22	2800000	840000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
67	Alginate dialdehyde Gelatin as a post-surgical adhesion prevention material in cardiac surgery Swine model	SCTIMST, Thiruvananthapuram (SCTIMST)	2021-22	4904000	1471200
68	Development of a bio process for the commercial production of the plant growth stimulant Gibberellic acid GA3	CSIR–National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)	2022-23	3244000.00	0
69	Development of technology for trans catheter heart valve from human homograft mounted on large diameter stent for per-cutaneous pulmonary valve replacement.	Sree Chitra Tirunal Institute for Medical Sciences & Technology (SCTIMST) Kerala	2022-23	2800000	770069
70	Alginate dialdehyde Gelatin as a post-surgical adhesion prevention material in cardiac surgery Swine model	SCTIMST, Thiruvananthapuram (SCTIMST)	2022-23	4904000	0
71	To develop and validate a biodegradable, bio-based hydrophobic paper coating as a sustainable alternative to plastic laminates for recyclable and repulpable food packaging applications.	CSIR–National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)	2022-23	3969100	1190730

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
72	Alginate dialdehyde Gelatin as a post-surgical adhesion prevention material in cardiac surgery Swine model	SCTIMST, Thiruvananthapuram	2023-24	4904000.00	1854200
73	Moisture resistant, food compatible bio-resin coated paper for food packaging with repulpable potential	CSIR–National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)	2023-24	3969100	0
74	Development of Breeding and Supply Centre for Damsel fishes	ICAR–Central Marine Fisheries Research Institute (ICAR-CMFRI),	2023-24	4468000	1340400
75	Moisture resistant, food compatible bio-resin coated paper for food packaging with repulpable potential	CSIR–National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)	2024-25	3969100.00	749244
76	Development of Breeding and Supply Centre for Damsel fishes	ICAR–Central Marine Fisheries Research Institute	2024-25	4468000	874619
77	Moisture resistant, food compatible bio-resin coated paper for food packaging with repulpable potential	CSIR–National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)	2025-26	3969100.00	671649

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
78	Development of Breeding and Supply Centre for Damsel fishes	ICAR–Central Marine Fisheries Research Institute	2025-26	13572000	850003
79	Scaling up of seed production of Seabream, Acanthopagrusberda employing nanotechnological interventions for enhancing its farming potential.	ICAR–Central Marine Fisheries Research Institute	2025-26	2612000	783600
TOTAL				67796400	12267258
DEPARTMENT OF SCIENCE AND TECHNOLOGY (DST)					
Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
1	Organic-Inorganic Hybrid Nanomaterials for Non-Conventional Energy Technologies	CSIR-NIIST, Thiruvananthapuram	2021-22	20000000	13600000
2	Design And Development of 'In-Situ Indignous Soil Analysis System' for Effective Fertigation in Precision Farming	Centre for Development of Advanced Computing Thiruvananthapuram	2022-23	5700000	3600000
3	Modernization of Jaggery Production Units-Initiative Towards Energy Efficient Hyginic Jaggery Production	CSIR-National Institute for Interdisciplinary Science and Technolgy (NIIST)- Thiruvananthapuram-Kerala-	2022-23	3400000	2700000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
4	Development of a Disease Management Strategy Against Phytophthoracapsici Utilizing an Effective Biocontrol Agent and Green Synthesized Silver Nanoparticles from Black Pepper.	Rajiv Gandhi Centre for Biotechnology Thiruvananthapuram Kerala	2022-23	10400000	9300000
5	Point of Care Blood Coagulation Analyzer Development and Limited Clinical Validation	Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thruvananthapuram, Kerala	2023-24	3400000	1700000
6	Development of Low-Cost Process for the Production of Graphene from Indian Mineral Resources	National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram, Kerala	2025-26	11500000	5100000
7	Development of Portable Raman Spectrometer for Identifying the Amyloid Deposition in the Peripheral Region of the Body	Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram, Kerala	2025-26	12700000	8900000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
8	Point of Care Blood Coagulation Analyzer Development and Limited Clinical Validation	SREE Chitra Tirunal Institute for Medical Science and Technology, Thiruvananthapuram, Kerala	2025-26	3400000	2000000
9	Quantum Communication	CDAC Thiruvanthapuram	2025-2026	22300000	22300000
10	Scientific reinvention of Ethnic food and medicine from Kerala for functional food and drug development	Rajiv Gandhi Centre for Biotechnology Thiruvananthapuram	2021-2022	47000000	46100000
11	Millets as functional food for addressing obesity by manifesting gut-brain axis	National Institute for \Interdisciplinary Science and Technology (NIIST)	2023-24	3100000	2800000
12	Development of millet-based novel ready-to-eat (RTE) smart functional foods fortified with fish protein and lipid for entrepreneurship development in the state of Kerala	ICAR-Central Institute of Fisheries Technology	2023-24	6700000	6400000
13	Dark-catalytic and planar solar-concentrator based reactors for removal of organic pollutants from textile effluents	CSIR-National Institute for Interdisciplinary Science and Technology (NIIST) Thiruvananthapuram,	2021-22	4500000	1400000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
14	Development of affordable and portable FNIRD functional near infrared spectroscopy device for cognitive studies	Sree Chitra Tirunal Institute for Medical Sciences and Technology	2022-23	11800000	4900000
15	Development of a point-of-care device for the diagnosis of sepsis and antibiotic usage	Sree Chitra Tirunal Institute for Medical Sciences and Technology	2025-26	3700000	1300000
16	Establishment of Marine Ornamental Species Hub in Pitchavaram region, Tamil Nadu for sustainable livelihood development of local SC disher folks.	Regional Centre of the ICAR- National Bureau of Fish Genetic Resources CMFRI	2021-22	15900000	11900000
17	Science Technology and Innovation Hub in Fisheries Sector, Kochi Corporation, Ernakulam District, Kerala State.	Central Marine Fisheries Research Institute	2021-22	31900000	31600000
18	Establishment of decentralized production unit for Marayur Jaggery - Towards socio-economic development of marginal and tribal farmers in Idukki District	CSIR National Institute for Interdisciplinary Science and Technology (NIIST)	2024-25	13700000	11900000

Sl. No.	Details of the Research Project	Details of Centres of Excellence and Scientific Institutions	Financial Year	Funds Sanctioned (In Rs)	Funds Released (In Rs)
19	City GML based 3D models for smart cities in India using LiDAR point cloud Urban Governance	Department of Earth and Space Science, Indian Institute of Space Science and Technology, Thiruvannathapuram	2020-21	3300000	2700000
20	HSI Sensor Hyperspectral Imaging System Development for Precision Remote Sensing Applications	Indian Institute of Space Science and Technology, Thiruvananthapuram	2023-24	3600000	2200000
TOTAL				238000000	192400000

PROJECTS RELATING TO MARINE SCIENCE, COASTAL EROSION, CLIMATE RESILIENCE AND THE BLUE ECONOMY SANCTIONED BY GOVERNMENT IN KERALA**1. MINISTRY OF EARTH SCIENCES (MOES)**

<i>Sl. No.</i>	<i>Name of Project</i>	<i>Theme</i>	<i>Duration</i>	<i>Total Cost (₹)</i>
1	Molecular taxonomy and species divergence studies of sea urchins from the Gulf of Mannar coral reef ecosystem	Marine Science	2 years	5309963
2	Characterization of the microbiome of benthic fauna in the seamounts of deep Arabian Sea (off Mangalore, Lat between 12° and 14° N, Long between 72° and 74°E)	Marine Science	2 years	3951569
3	Diving Down the Deep: Exploring the Deep-Sea Ichthyo-Faunal Resources of Indian waters for Sustainable Utilisation - A Multidisciplinary Approach	Marine Science	2 years	24347360
4	Metagenomics Exploration of the Deep Ocean Viruses: Taxonomic Assignment and Bioprospecting	Marine Science	2 years	5421956
5	Translational Ecology of Deep Sea (TEDS): Host-microbe interactions in the deep- sea habitats and potentials for translational technology	Marine Science	2 years	14038000
6	Deep Sea metagenomics for enhanced next-generation bioethanol production	Marine Science	2 years	18538356
7	Analysis of Natural products from Deep Sea: High value molecules and its Application (ANDHA)	Marine Science	2 years	3717600

Sl. No.	Name of Project	Theme	Duration	Total Cost (₹)
8	Bioprospecting of uncultured marine microbes for phosphodiesterase-5 (PDE-5) inhibitors to treat erectile dysfunction via novel culturing and genome mining methods	Marine Science	2 years	4969120
9	Characterisation of microbial communities of the deep-sea sediment from Chagos Laccadive Ridge area, Indian Ocean and bioprospecting them for novel biocatalysts	Marine Science	2 years	3897300
10	Exploration of Marine Microbial Resources for the discovery of potential drug Candidates with Biomedical Applications	Marine Science	2 years	18199600
11	Automated Identification of Marine Species with Artificial Neural Networks to Enhance the Exploration and Sustainable Utilisation of Deep-sea Marine Fishes	Marine Science	2 years	28401176
12	Understanding the molecular mechanisms that confer adaptation to deep-sea habitats in selected fishes through whole genome and transcriptome Sequencing.	Marine Science	2 years	15213148
13	Micro and Nano plastics in the deep-sea environment (sediment, water and biota) – implications of trophic transfer of plastics as well as the identification of chemical cocktails with these plastics	Marine Science	2 years	6621200
14	Understanding the metabolic architecture of microbial communities using deep ocean metagenomes	Marine Science	2 years	15226877

2. ANUSANDHAN NATIONAL RESEARCH FOUNDATION (ERSTWHILE SCIENCE AND ENGINEERING RESEARCH BOARD)

Sl. No.	Name of Project	Theme	Duration	Total Cost (₹)
1	The nature of biotic interaction and community structure of marine molluscs as a response to regional environmental triggers in a tropical island ecosystem.	Marine Science	36 Months	2734711
2	Investigation on identification and biochemical validation of selenoproteins from Nannochloropsis oceanica CASA CC201 as functional food/feed supplements	Marine Science	36 Months	3428059
3	Sponge Watch Program for Microplastics	Marine Science	36 Months	5348080
4	Response of shallow marine community to seaway closure: Insights from Oligo-Miocene WIP (Western Indian Province) fauna using comparative paleobiogeography and paleocommunity analyses.	Marine Science	36 Months	1813560
5	A Convergent Synthetic Platform to Access Marine Natural Products, Conoidecyclics A, B, and C	Marine Science	36 Months	4044832
6	FEM-BEM coupling methods for wave action on marine structures over an undulated bottom topography	Marine Science	36 Months	660000
7	Bioprospecting Bacterial and Fungal libraries from marine sources for Novel Anti-Microbial and Anti-Cancer Drug Discovery- A Metagenomic Approach	Marine Science	24 Months	1920000

Sl. No.	Name of Project	Theme	Duration	Total Cost (₹)
8	Bioremediation of cesium and strontium radionuclides using extracellular polymeric substances from marine actinobacteria	Marine Science	24 Months	1920000
9	“Bioprospecting of Marine Pigmented Bacteria: A Prospective Source of Natural Pigments for Biomedical and Industrial Applications”	Marine Science	24 Months	1920000
10	Bioactive pigments from marine bacteria inhabiting the gut of Sardinella longiceps with their pharmaceutical perspectives	Marine Science	24 Months	1920000
11	BIO-MINING OF NOVEL BIOSURFACTANTS FROM COLD ADAPTED MICROORGANISMS OF MARINE SEDIMENTS INTEGRATING METAGENOMIC AND CULTURE-DEPENDANT APPROACHES	Marine Science	24 Months	1920000
12	Molecular studies on VEGF inhibitor from Marine Tunicate Symbiotic Actinomycetes and its anti angiogenic effect on zebrafish embryonic model	Marine Science	24 Months	1920000
13	Development of novel anti-cancer agents from endophytic fungi of selected marine algae	Marine Science	24 Months	1920000
14	Investigation on visible light driven antimicrobial and mechanistic activity of marine-based nanocomposite incorporated polymeric patches for Diabetic wound healing	Marine Science	24 Months	1920000

Sl. No.	Name of Project	Theme	Duration	Total Cost (₹)
15	Physiological and behavioural stress in marine reef fish across a gradient of anthropogenic disturbance	Marine Science	24 Months	2520000
16	Anaerobic ammonia oxidising bacteria (Anammox) as potential source for treating ammonia rich waste: Diversity and technologies	Marine Science	24 Months	1554222
17	UNDERSTANDING THE CLIMATIC INFLUENCE ON THE HARMFUL ALGAL BLOOMS ALONG THE SOUTH WEST COAST OF INDIA- AN ECOPHYSIOLOGICAL APPROACH	Marine Science	24 Months	3050340
18	Marine Microbiome To Ascertain The Role Of Microbes In Biogeochemical Cycling In The Eastern Arabian Sea	Marine Science	24 Months	2367040
19	Interactive influence of temperature, CO₂, light and nutrient fluctuations on marine microorganisms with implications to global climate change: a mesocosm study	Marine Science	36 Months	2420000
20	Investigation of natural products from marine source for treatment of neurodegenerative diseases.	Marine Science	36 Months	2436292
21	Controlling the Dengue virus infection using the extracts of marine Actinomycetes by identifying the mechanistic route involving the Envelope/Nucleo-capsid protein.	Marine Science	36 Months	2753180

Sl. No.	Name of Project	Theme	Duration	Total Cost (₹)
22	Exploring the antibiotic potential of siderophores (sideromycins) from marine -derived actinobacteria against multi drug resistant Gram negative bacterial pathogens	Marine Science	36 Months	1692863
23	Holocene Sea-Level Dynamics and Coastal Vulnerability along Western India: Integrating Paleo-records with Contemporary and Future Risk Assessment	Coastal Erosion	36 Months	6349224
24	Climate Resilience of Ecosystem Services: A Biodiversity and Socioeconomic Synergy in the Indian Sundarbans	Coastal Erosion	60 Months	8610240
25	Understanding Coastal Deformation and Vulnerabilities along Odisha and West Bengal Coasts for Sustainable Development Goals	Coastal Erosion	60 Months	7166400
26	Biogeochemical cycling of major and trace elements in brackish-water lagoon system	Coastal Erosion	36 Months	3885385
27	IMPLEMENTING GREEN CHEMISTRY PRINCIPLE TO FORMULATE AN ECOFRIENDLY MARINE ANTIBIOFOULING AND ANTICORROSIVE COATING USING SELECTED PLANTS OF PARANGIPETTAI COASTAL ENVIRONS	Coastal Erosion	36 Months	3553963

Sl. No.	Name of Project	Theme	Duration	Total Cost (₹)
28	Tracking the pharmacological basis for ethno-medicinal values of halophytes along the coastal areas of Tamilnadu.	Coastal Erosion	36 Months	2236134
29	Spatially Explicit Estimation of Wetland Carbon Stocks in the Contai-Baleshwar Coastal Stretch, India by Integrating Elemental Analysis and Geospatial Technologies	Coastal Erosion	36 Months	3012055
30	Hydrodynamic Instabilities and Transition to Turbulence in Estuarine Flows	Coastal Erosion	36 Months	3251276
31	Integrated Multi-Hazard Modeling: Data-Driven Accuracy and Process-Based Prediction of Compound Coastal Flood Risks	Coastal Erosion	36 Months	5567520
32	RESOURCE MONITORING AND INTEGRATED MANAGEMENT OF MANGROVES ON MAHARASHTRA COAST, INDIA	Coastal Erosion	36 Months	1899484
33	HYPERSPECTRAL AND MULTISPECTRAL APPROACHES FOR THE DELINEATION AND CHARACTERISATION OF COASTAL DUNE ECOSYSTEM AND ITS HABITATS IN CERTAIN PARTS OF TAMIL NADU	Coastal Erosion	36 Months	2876870
34	Assessment of High Salinity in Groundwater along Southern Ramanathapuram Coast, Tamil Nadu- Using Geochemical and Isotopic Techniques	Coastal Erosion	36 Months	2678640

<i>Sl. No.</i>	<i>Name of Project</i>	<i>Theme</i>	<i>Duration</i>	<i>Total Cost (₹)</i>
35	Numerical and Semi-analytical Techniques for Modeling of Wave Interaction with Porous and Flexible Structures	Coastal Erosion	36 Months	1998832
36	Vulnerability of Bay of Bengal coastline to tropical cyclones	Coastal Erosion	36 Months	1865120
37	Development of a Cost Effective Solar Energy based Drinking Water cum Cold Storage Facility for Coastal Communities in India	Coastal Erosion	36 Months	2556400
38	Computational Fluid Dynamics modelling of hydrodynamics and scour around coastal structures	Coastal Erosion	36 Months	4307600
39	Assessment of Climate Change and its Impact on Marine Biodiversity in Gulf of Mannar Region Using Bio-spatial Technology	Coastal Erosion	36 Months	2550240
40	Mathematical modelling for the extraction of renewable wave energy by floating and submerged structures	Coastal Erosion	36 Months	2053832
41	An Inventory of Green House Gases Emission from Coastal Wetlands of Kerala and their Impact on Regional Climate Change	Coastal Erosion	36 Months	3088240
42	A Novel Modeling Approach for Selecting Suitable Intrinsic Bioremediation Strategies for Attenuating Oil Spills in Coastal Aquifers	Coastal Erosion	36 Months	2885720

Sl. No.	Name of Project	Theme	Duration	Total Cost (₹)
43	Prevalence of genetic damage in fin and shell fishes of South East Coast of India	Coastal Erosion	24 Months	1920000
44	Elucidation of trophic interactions in the Chilika Lagoon using fatty acids as biomarker	Coastal Erosion	24 Months	1920000
45	Impacts of climate change on the water quality along the coastal megacities	Coastal Erosion	24 Months	1920000
46	Quantification of Submarine Groundwater Discharge (SGD) and its quality flux (Trace elements and Nutrients) along the Odisha Coast, India: an integrated Time-lapse ERT and Environmental isotopic approach	Coastal Erosion	24 Months	1920000
47	UNDERSTANDING THE CLIMATIC INFLUENCE ON THE HARMFUL ALGAL BLOOMS ALONG THE SOUTH WEST COAST OF INDIA- AN ECOPHYSIOLOGICAL APPROACH	Coastal Erosion	24 Months	3050340
48	Investigating the Nature of Tidal Asymmetry within the Gulfs and Estuaries along the Indian Coastline.	Coastal Erosion	24 Months	1613560
49	Terrestrially derived groundwater pollutant discharge to the Bay of Bengal and its potential threat in changing hydroclimatic conditions	Coastal Erosion	36 Months	2577210
50	Experimental and Numerical Study of Saltwater Intrusion Control Measures under Tidal Influence	Coastal Erosion	36 Months	2578400

Sl. No.	Name of Project	Theme	Duration	Total Cost (₹)
51	Modelling coastal oceanographic features in the South Eastern Arabian Sea	Coastal Erosion	36 Months	1830000
52	Accelerating Genetic Gain in Phaseolus vulgaris through Genomic Selection and Pyramiding of Anthracnose Resistance Genes (Co-18 & co-Indb)	Climate Resilience	36 Months	9769920
53	Reefs, Rising Temperatures and Resilience: Integrating Ecology, Behaviour and Physiology to Understand and Predict Responses to Climate Change in Coral Reef Ecosystems	Climate Resilience	36 Months	9156729
54	CORAL REEF RESILIENCE: UNDERSTANDING THE IMPACT OF CLIMATE CHANGE IN GULF OF MANNAR AND PALK BAY	Climate Resilience	48 Months	6612200
55	From Plant Hydraulics to Ecosystem Resilience: Predicting Vulnerability and Adaptation to Climate Change in Indian Forests	Climate Resilience	36 Months	8588049
56	Development of a Hydro-Environmental Quality Indexing Framework for Assessing Water Resilience in the Himalayan Headwaters under Climate and Anthropogenic Stressors	Climate Resilience	36 Months	5677440
57	Breeding for the Future: Climate-Smart Rice for a Warmer India through QTL Pyramiding, Gene Editing, and Genomic Selection	Climate Resilience	60 Months	30826625

Sl. No.	Name of Project	Theme	Duration	Total Cost (₹)
58	Too Hot to Handle: Assessing Anuran Vulnerability to Temperature Extremes in the Western Ghats	Climate Resilience	36 Months	6592520
59	Assessing Flash Drought Hotspots and Cascading Impacts on Indian Agriculture in a Changing and Warming Climate: An Integrated Approach for Early Warning Signs and Resilience	Climate Resilience	36 Months	2904300
60	Unlocking frost resilience in Chickpea: genome-wide mapping, resource profiling, and functional validation of novel long noncoding RNA regulators	Climate Resilience	36 Months	6600000
61	Enhancing pigeonpea resilience to changing climate: exploring root exudates dynamics and rhizosphere microbiome interactions for suppressing soil-borne pathogens and improved soil-plant health	Climate Resilience	36 Months	6332260
62	Building the future: Advancing Innovative Zero-Energy Water Building Technologies	Climate Resilience	36 Months	6642480
63	Assessing the carbonate budget of coral reefs in Lakshadweep: Implications for reef growth and resilience.	Climate Resilience	36 Months	3582120
64	RESILIENCE ASSESSMENT AND IDENTIFYING LOCAL 'STOCK REEFS' - A NOVEL PROACTIVE MANAGEMENT APPROACH ON INDIA'S CORAL REEFS CONSERVATION IN RESPONSE TO THE EVER INCREASING GLOBAL WARMING	Climate Resilience	24 Months	1920000

<i>Sl. No.</i>	<i>Name of Project</i>	<i>Theme</i>	<i>Duration</i>	<i>Total Cost (₹)</i>
65	A Multimodel Assessment of Teleconnections Between Critical Zone Dynamics and Recurring Floods in the Brahmaputra Valley, India	Climate Resilience	24 Months	2520000
66	Study on the Climate-Resilience of Rubus ellipticus Sm. (Himalayan Blackberry) populations through Trait-Based Niche Modeling, supporting conservation for the tribals of North-East India	Climate Resilience	24 Months	2520000
67	A multi-OMICS Approach to Decipher the Stress Signaling Network in Rhodiola imbricata Edgew.	Climate Resilience	36 Months	5799859
68	Identification and functional characterization of novel protease for development of dehydration tolerance in chickpea (Cicer arietinum L.)	Climate Resilience	24 Months	2929872

3. DEPARTMENT OF SCIENCE & TECHNOLOGY (DST)

<i>Sl. No.</i>	<i>Name of Project</i>	<i>Theme</i>	<i>Duration</i>	<i>Total Cost (₹)</i>
1	Restructuring and Enhancing Strategies with a Transformative AppRoach for InTEgrated Water Disaster Management in India and the Netherlands—RESTARTIN	Climate Resilience	3 years	3,04,64,737
2	Establishment of Marine Ornamental Species Hub in Pitchavaram region, Tamil Nadu for sustainable livelihood development of local SC fisher folks	Marine	3 years	1,59,04,292

3	Science Technology and Innovation Hub in Fisheries Sector, Kochi Corporation, Ernakulam District, Kerala State	Marine	3 years	3,26,67,253
4	Coastal Erosion and Risk Assessment along Kerala State Geo-Spatial Technologies (CHRAR Sub Scheme)	Coastal Erosion	2 years	16,88,083.2

3. DEPARTMENT OF BIOTECHNOLOGY (DBT)

<i>Sl. No.</i>	<i>Name of Project</i>	<i>Theme</i>	<i>Duration</i>	<i>Total Cost (₹)</i>
1	Development of Breeding and Supply Centre for Damsel fishes	Marine Science	24 Months	4468000
2	Scaling up of seed production of Seabream, Acanthopagrusberda employing nanotechnological interventions for enhancing its farming potential.	Marine Science	18 Months	2612000

4. COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH (CSIR)

<i>Sl. No.</i>	<i>Name of Project</i>	<i>Theme</i>	<i>Duration</i>	<i>Total Cost (₹)</i>
1	Bioprospecting of uncultured marine microbes for phosphodiesterase-5 (PDE-5) inhibitors to treat erectile dysfunction via novel culturing and genome mining methods	Deep Ocean Mission	2 yrsrs	4949000

5. INDIAN COUNCIL OF AGRICULTURAL RESEARCH (ICAR)

Sl. No.	Name of Project	Theme	Duration	Total Cost (₹)
1	Development of small molecular weight bioactives and polysaccharides from marine and coastal bivalves to develop prospective nutraceutical products (ICAR-CMFRI, Cochin and KVASU, Mannuthy, Thrissur)	Marine Science	August, 2022 to July, 2025	7353529
2	The changing dynamics of labour migration on employment, livelihoods and resource productivity patterns in Indian marine fisheries sector Institute: ICAR-CMFRI, Kochi)	Marine Science	June, 2023 to November, 2026	6417790
3	Seaweeds, the marine macroalgae & millets, the underutilized nutricereals for development of next generation edible packaging films and synbiotic functional foods: A novel eco-sustainable approach (Institute: ICAR-CIFT, Kochi)	Marine Science	3 years	3260000
4	Value addition of untapped agricultural by-products to produce protein concentrate for marine food fish diet: Nutrigenomic approach to understand the real time expression of metabolism, growth and immune genes (Institute: ICAR-CMFRI, Kochi)	Marine Science	3 years	4996200
5	Empowerment of scheduled caste fisher folk through entrepreneurial capacity building of self-help groups in marine sector	Marine Science	2019-2022	2649000

Sl. No.	Name of Project	Theme	Duration	Total Cost (₹)
6	Science Technology and Innovation Hub in fisheries sector, Kochi corporation, Ernakulam District, Kerala State.	Climate Resilience	2022-2025	32082427
7	National Innovations in Climate Resilient Agriculture (NICRA)	Climate Resilience	2011-2026	4216.20 Lakhs

DETAILS OF CENTRAL GOVERNMENT RESEARCH INSTITUTIONS IN KERALA

Sl. No.	Name of the Institution	Department/Ministry	Mandate
1	Central Coir Research Institute, Alleppey	Ministry of Micro, Small and Medium Enterprises (MSME)	To conduct scientific research for the development, modernization, & diversification of coir industry.
2	Central Institute of Fisheries Technology, Kochi	Indian Council of Agricultural Research	Focuses on basic and strategic research in fishing and processing, designing energy-efficient fishing systems, and developing machinery for the fishing industry
3	Central Marine Fisheries Research Institute, Kochi	Indian Council of Agricultural Research	Focuses on monitoring marine resources, advancing mariculture research, and serving as an information repository
4	Central Plantation Crops Research Institute, Kasaragod	Indian Council of Agricultural Research	Focuses on basic, strategic, and applied research for coconut, arecanut, cocoa, and palmyrah.
5	Central Tuber Crops Research Institute, Thiruvananthapuram	Indian Council of Agricultural Research	To undertake basic, strategic, and applied research on tropical tuber crops (other than potato) to enhance productivity and utilization potential.
6	Centre for Development of Advanced Computing, Thiruvananthapuram	Ministry of Electronics and Information Technology	To undertake application-oriented research, design, and development in electronics and information technology

Sl. No.	Name of the Institution	Department/Ministry	Mandate
7	Centre for Marine Living Resources & Ecology, Kochi	<i>Ministry of Earth Sciences</i>	<i>To develop management strategies for marine living resources.</i>
8	Centre for Materials for Electronics Technology, Thrissur	Ministry of Electronics and Information Technology	To specialize in the research, development, and processing of electronic ceramic materials and smart electronic devices.
9	Clinical Research Unit (Unani), Alweye	Ministry of AYUSH	To conduct scientific clinical research, validate traditional Unani therapies, and provide research-oriented health care services.
10	Directorate of Cashewnut and Cocoa Development, Cochin	Indian Council of Agricultural Research	To increase the production and productivity of cashew and cocoa in India, meet domestic industrial demands for internal consumption and export, and coordinate national development programs.
11	Fluid Control Research Institute, Palakkad	Ministry of Heavy Industries	To serve as a premier national center for fluids engineering, providing research and development, testing, calibration, and certification.
12	Indian Institute of Space Science & Technology, Thiruvananthapuram	Department of Space	To nurture high-quality human resources, foster advanced research, and provide a dedicated intellectual think-tank for the Indian Space Programme

Sl. No.	Name of the Institution	Department/Ministry	Mandate
13	Indian Institute of Spices Research, Calicut	Indian Council of Agricultural Research	Focuses on conducting basic, applied, and strategic research for genetic resource management, crop improvement, sustainable crop production and protection of safe spices.
14	ISRO Inertial System Unit, Thiruvananthapuram	Department of Space.	To design, develop, and deliver high-precision inertial sensors, navigation systems, and allied mechanisms for India's launch vehicles and spacecraft.
15	Liquid Propulsion System Centre, Thiruvananthapuram	Department of Space	The design, development, and system engineering of high-performance liquid and cryogenic space propulsion systems.,
16	National Centre for Earth Science Studies, Thiruvananthapuram	Ministry of Earth Sciences	To conduct advanced multidisciplinary research in solid earth science, atmospheric-environmental sciences, and coastal processes.
17	National Homoeopathy Research Institute in Mental Health, Kottayam	Ministry of AYUSH	Focus on psychiatric care, clinical research, and postgraduate medical education in mental health
18	National Institute for Interdisciplinary Science & Technology, Thiruvananthapuram	Ministry of Science & Technology (CSIR)	To conduct high-quality research and development focused on the effective utilization of regional resources and areas of fundamental importance to India.

Sl. No.	Name of the Institution	Department/Ministry	Mandate
19	National Research Institute for Panchakarma, Thrissur	Ministry of AYUSH	Focuses on clinical research, standardizing traditional procedures, and operating NABL-accredited diagnostic labs.
20	Naval Physical & Oceanographic Laboratory, Kochi	Ministry of Defense	To research, design, and develop advanced Sound Navigation and Ranging (SONAR) systems, underwater surveillance technologies, and oceanographic studies dedicated to Anti-Submarine Warfare for the Indian Navy
21	Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram	<i>Ministry</i> of Science and Technology (DBT)	To conduct high-end discovery research in disease biology, drive translational sciences, and foster technology development and specialized training.
22	Regional Ayurveda Research Institute (RARI), Thiruvananthapuram	Ministry of AYUSH	A specialized clinical and research center focused on pediatric, maternal, and reproductive healthcare
23	Regional Research Institute of Siddha, Thiruvananthapuram	Ministry of AYUSH	To conduct herbal medicine research, empirical clinical research, and deliver traditional healthcare services under the Central Council for Research in Siddha.
24	Rubber Research Institute of India, Kottayam	Ministry of Commerce and Industry	To undertaking agronomic, technological, and economic research, increasing land productivity, and reducing production costs to ensure national self-sufficiency in natural rubber.

Sl. No.	Name of the Institution	Department/Ministry	Mandate
25	Sree Chitra Tirunal Institute for Medical Sciences & Technology, Thiruvananthapuram	Ministry of Science and Technology (DST)	Institute of National Importance for pioneering advanced cardiology and neurology super-specialty care, indigenous biomedical technology and medical device innovation, and public health studies
26	Vikram Sarabhai Space Centre, Thiruvananthapuram	Department of Space	The design and development of satellite launch vehicle technology and rocket research for the Indian Space Research Organisation (ISRO)
