

Grants for research projects sponsored by the government funding agencies (Last five years)

S. No.	Name of the Project, Clinical Trial, Endowment, Chairs	Name of the Principal Investigator/Co Investigator	Name of the Funding agency	Type (Government/Non-Government)	Department of Principal Investigator/ Co Investigator	Year of Award	Funds provided (INR in Lakhs)	Duration of the project
1	Population study of urban rural and semi-urban regions for the detection of endovascular disease and prevalence of risk factors and holistic intervention study-Phase I & II	Dr. S. Thanikachalam	DST	Govt.	Cardiology	2007	1159.50	2007-2018
2	Center for Advanced Research Environmental Health & Air pollution	Dr.Kalpna Balakrishnan	ICMR-CAR	Govt.	Environmental Health Engineering	2010	524.00	2010-2015 (5 years)
3	Association between ghrelin gene polymorphism and obesity	Dr.Nalini Ganesan	ICMR	Govt.	Biochemistry	2011	22.51	2011-2014 (3 years)
4	99m Tc Radiolabeled dendrimer drug conjugates targeted to ovarian cancer cells	Dr.Ganesh Venkatraman	DAE, BRNS, NBHM	Govt	Human Genetics	2010	20.58	2010-2015
5	IL 1 gene dual association polymorphism and chronic periodontitis casual or causal association	Dr. Suresh	SERB	Govt.	Dental	2012	32.62	2012-2015 (3 years)
6	Synthesis and evaluation of the anti-proliferative activity of novel glycopyrrolidines	Dr. Ganesh Venkatraman	SERB	Govt.	Human Genetics	2012	27.94	2012-2015 (3 years)
7	Estimation of hepatitis B and C virus - Irula tribals in TN	Dr. P. Rajendiran	ICMR	Govt.	Microbiology	2012	13.54	2012-2015 (3 years)

8	Synthesis and evaluation of curcumin conjugates and hybrids as potential anticancer agents	Dr. Krishnakumari GN	SERB	Govt.	Medicinal chemistry	2012	33.76	2012-2015 (3 years)
9	Scientific Validation of Safety Protective and curative Efficacy of a Patented Folklore Medicine "Saliv" Developed for the Management of Hepatic Disorders - A preclinical Study	Dr. Saravana Babu	DST	Govt.	CEFT	2012	27.75	2012-2014(2 years)
10	Product Development of Phyllanthus niruri and Glycine max(L.) Merr., formulation for the management of Diabetes and associated complications, its validation, standardisation, preclinical Toxicology and Pharmacology evaluation	Dr. S. P. Thyagarajan	DST	Govt.	Central Research Facility	2012	131.36	2012-2015 (3 years)
11	Development of endovascular stent graft for percutaneous treatment of femeropopliteal diseases by Department of Radiology and imaging sciences	Dr. Santhosh Joseph	DST	Govt.	Radiology	2013	54.00	2013-2015 (2 years)
12	Marine Anti-Cancer compounds	Dr. Mary Elizabeth Gnanambal	SERB	Govt.	Biotechnology	2013	37.70	2013-2016 (3 years)
13	Development, Characterization and Validation of Novel Ultrafiltration Membranes for Hemodialysis in preclinical Model hy Department of Nephrology and CEFT	Dr. P. Soundarajan	DST	Govt.	Nephrology	2013	28.52	2013-2015 (2 years)

14	Vulnerability Assessment to Heat stress and its impacts on Health and protectivity for select Productivity Occupational sectors in the context of Climate Change	Dr. Vidhya Venugopal	DST	Govt.	Environmental Health Engineering	2013	40.12	2013-2016 (3 years)
15	Standadisation, establishment and inter laboratory comparison of γ -H2AX assay fro triage biodosimetry	Dr. P. Venkatachalam	LSRB	Govt.	Human Genetics	2013	24.50	2013-2015 (2 years)
16	Nanotechnology based topical dosage system of selected medicinal palnts for dermatophytes including cosmetic elegents for defence personnel	Dr. D. Chamundeeswari	LSRB	Govt.	Pharmacy	2013	22.02	2013-2016 (3 years)
17	Association of susceptible Genetic markers and Autoantibodies in Rheumatoid Arthritis	Dr. Nalini Ganesan	SERB	Govt.	Nursing	2013	20.92	2013-2016 (3 years)
18	Training program for labour Inspector, Ministry of Labour and human resources, Bhutan	Dr.S.Sankar	WHO(SEARO)	Govt.	Environmental Health Engineering	2013	2.08	2014 (3 months)
19	Exploring respiratory health outcomes from sustained use of efficient cook-stoves: A pilotcluster randomized trial in rural households of Andhra Pradesh and Karnataka	Dr. Priscilla Johnson	NIH, USA	Govt.	Physiology	2013	62.00	2013-2016 (3 years)
20	Biological effects of low dose ionizing radiation received during diagnostic radiological procedures	Dr. P. Venkatachalam	SERB	Govt.	Human Genetics	2013	46.23	2013-2016 (3 years)

21	Population pharmacokinetics of doxophylline, a theophylline derivative in patients with bronchial asthma	Dr. Hariprasad	ICMR	Govt.	TB & Chest	2013	1.20	2013-2014 (1 year)
22	Upshot of metronomic chemotherapy in progressive adult malignancies- a prospective study	Dr. N.Vanitha Rani	TNSCST	Govt	Pharmacy	2013	0.05	2013-2014 (1 year)
23	Study on the role of HLA-C and KIR genes in unexplained recurrent spontaneous abortions	Dr. V. Vettriselvi	SERB	Govt.	Human Genetics	2014	21.00	2012-2015 (3 years)
24	UKIERI Award 2012-13	Dr.Jyotsna Murthy	UKIERI	Govt.	Plastic Surgery	2014	1.77	2013-2014 (1 year)
25	Can renin – angiotensin system (RAS) be a reliable target in the treatment of Parkinsonism? - A preclinical investigation with newer generation angiotensin-1 receptor blocker (ARB) and angiotensin converting enzyme inhibitor (ACEI)	Dr. C. Saravanababu	SERB	Govt.	CEFT	2014	25.00	2013-2016 (3 years)
26	Nutrition and Oral clefts in Asia ; planning grant	Dr.Jyostna Murthy	NIH, USA & UTAH STATE UNIVERSITY	Govt.	Plastic Surgery	2014	12.31	2014-2018 (4 years)
27	Identification of novel molecular marker involved in radio resistance in prostate cancer	Dr. Sandhya Sundaram	DAE, BRNS, NBHM	Govt.	Pathology	2014	23.09	2014-2017 (3 years)
28	Early detection of Cervical cancer in HIV infected women	Dr. Thanka	NIE (ICMR)	Govt.	Pathology	2014	0.31	2014-2015 (1 year)

29	Biological effects of low dose alpha particle radiation exposure to blood lymphocytes for biodosimetry	Dr. P. Venkatachalam	AERB	Govt.	Human Genetics	2014	48.15	2014-2017 (3 years)
30	Pak-1 as a therapeutic target in Glioma	Dr. Ganesh Venkatraman	DBT	Govt.	Human Genetics	2014	37.58	2014-2017 (3 years)
31	Formulation and evaluation of nanoparticles loaded with antimicrobial drug using different natural polymers	Dr. S. Shanmuganathan	SERB	Govt.	Pharmacy	2014	10.04	2014-2016 (18 months)
32	Herbal Drug Enriched Bioengineered Tissue Constructs for Wound Healing	Dr. Mangathayaru	DBT	Govt.	Pharmacy	2014	24.40	2014-2017 (3 years)
33	Exposure assessment and modeling for PM 2.5 in the Andrapradesh children and parents study(APCAPS) aprospective cohort examining risk factors for cardiovascular health effects in India	Dr. Sankar	European research Council	Govt.	Environmental Health Engineering	2014	21.01	2014-2016 (2 years)
34	Stimuli sensitive hydrogels in Ocular drug delivery system	PI S.Nagalakshmi,Co-Pls Dr.S.Shanmuganathan Mr.S.Ramesh,Dr. J.Thanka	DRDO-LSRB,New Delhi	Govt	Pharmacy	2014	21.26	2014-2017 (3 years)
35	Pharmacological & Toxicological Evaluation of Indian Noni in animal models of Psychiatric disorders- AICTE Career Award for Young Teacher	Mr. J. Sri Kanth	AICTE	Govt.	Pharmacy	2015	2.50	2015-2018 (3 years)
36	A Population Pharmacokinetic and pharmacogenetic study of CAPOX therapy in colorectal cancer patients	Dr. Ramalakshmi	ICMR	Govt.	Pharmacy	2015	5.23	2015-2016 (1 year)

37	Investigating serum Pak1 levels as a diagnostic and prognostic marker in breast cancer patients	Dr. Ganesh Venkatraman	BRNS	Govt.	Human Genetics	2015	30.85	2015-2018 (3 years)
38	Study on the genetic leukemia variants of thiopurine and folate metabolic pathway and 6 –ercaptopurine-mediated hematological toxicity in childhood acute lymphoblasts	Dr.Harpreet Kaur	DBT	Govt.	Human Genetics	2015	24.37	2015-2018 (3 years)
39	Study on the role of mir-20, mir-146, mir-196 and mir-499 gene polymorphisms in prostate cancer	Dr.V.Vettriselvi	DBT	Govt.	Human Genetics	2015	24.27	2015-2018 (3 years)
40	Review of air quality survey and preparation for global mercury project bio monitoring project	Dr.Sankar	WHO	Govt.	Environmental Health Engineering	2015	3.07	2015 (1 month)
41	Exposure-response relationships for PM2.5 and cardio-respiratory health risks in rural communities of Tamil Nadu	Dr. S. Sankar	Tufts University	Govt.	Environmental Health Engineering	2015	4.20	2015-2016 (6 months)
42	Ovarian Cancer susceptibility genes in a South Indian Population	Mrs. S. Andreamary	DBT	Govt.	Human Genetics	2015	24.30	2015-2018 (3 years)
43	Increasing LPG use during Pregnancy: A Pilot Implementatin Exercise in Maharashtra	Dr. Kalpanabalakrishnan	NIH	Govt.	Environmental Health Engineering	2016	32.00	2016-2018 (2 years)
44	Elucidation of neuroprotective mechanism of haritaki	Dr. Jamuna Subramaniam	DST	Govt.	Central Research Facility	2016	53.00	2016-2019 (3 years)

45	Charaterisation of mechanisms of quinolone resistance in gram negative bacteria	P.V.Geetha	DST	Govt.	Microbiology	2016	17.00	2016-2019 (3 years)
46	Design & Development of Hospital Waste Management Technique for Safe Disposal of Biomedical Waste	Dr. Padma Srikanth	DST	Govt.	Microbiology	2016	24.04	2016-2018 (2 years)
47	Development of speech, language and neurodevelopmental skills among preterm children: A Prospective longitudinal study	Dr. Lakshmi Venkatesh	SERB	Govt.	SLHS	2016	32.21	2016-2019 (3 years)
48	Household Air Pollution and Health: a multi-country LPG intervention trial (HAPIN)	Dr. Kalpana Balakrishnan	National Institute of Health, USA	Govt.	EHE	2016	2200.00	2016-2021 (5 years)
49	Assessment of priority carcinogenic chemical exposures in selected industries of Bhutan	Dr. S. Sankar / Dr. Krishnendu	WHO (SEARO)	Govt.	Endocrinology / Environmental health engineering	2016	16.65	2016 (6 months)
50	Development of a plan for Global monitoring at Human Exposure to and Environmental concentrations of Mercury	Dr.Krishnendu Mukhopadhyay	WHO	Govt.	Environmental Health Engineering	2016	12.20	2016-2017 (1 year)
51	Analysis of bacterial persistence mechanisms in recalcitrant ocular Pseudomonas aeruginosa infections	Dr. Vidyarani Mohankumar	SERB	Govt.	Central Research Facility	2016	32.30	2016-2018 (2 years)
52	Pre-clinical safety and efficacy of Nuna Kaduku (Internal Medicine) and Nuna Thailam (External Medicine) in Venpadai (Vitiligo)	Dr. Yogeshkumar Murkunde	Central Council for Research in Siddha	Govt.	CEFT	2017	19.00	2016 (6 months)

53	Isolation and characterization of potent emulsifiers from bacteria isolated from Chennai harbor waters	Dr. Mary Elizabeth Gnanambal	The Ministry of Earth Sciences, Govt. of India	Govt.	Biotechnology	2017	21.38	2017-2020 (1 year)
54	Occupational heat Stress implications on renal health in the context of climate change	Dr. Vidhya Venugopal	DST	Govt.	Environmental health engineering	2017	51.90	2017-2020 (3 years)
55	Genetics of type 2 diabetes in india: Tamil Nadu Diabetes family genetic study	Dr. Solomon Paul	ICMR	Govt.	Human Genetics	2017	179.30	2016-2018 (2 years)
56	Heat Stress Index For India: Projections fro near future HIIPROF	Dr. Vidhya Venugopal	DST, Govt. of India	Govt.	Environmental Health Engineering	2017	7.31	2017-2020 (3 years)
57	UNEP/WHO project entitled"Training onmercury human biomonitoring"	Dr.Krishnendu Mukhopadhyay	WHO	Govt.	Environmental health engineering	2017	2.31	2016 (1 month)
58	An artificial intelligence based non-invasive system for the identification and assessment of children with Autism Spectrum Disorders	Dr. R. C. Perumal	DST	Govt.	SLHS	2017	16.99	2017-2020 (3 years)
59	"Investigation on Changes In Collagen Content, Skin Thickness And Micro Vascularity In Diffuse Systemic Scleroderma Patients Using Bimodal Optical Spectroscopy".	Dr. S. Anandan	Indian Institute of Technology Madras	Govt.	Dermatology	2017	9.75	2017 (1 year)
60	Assessment of Medication Adherence and quality of life of schizoprenic patients on maintenance therapy with oral and depot psychotic drugs	Dr. Vanitha Rani	TNSCST	Govt.	Pharmacy	2018	0.10	2017-18 (1 year)

61	Synthesis fabrication, characterization and evaluation of fluconazole zinc complex loaded nanosponges for topical delivery	Dr. Sabaa Maanvizi	TNSCST	Govt.	Pharmacy	2018	0.10	2017-18 (1 year)
62	Standardization and testing of Premature Chromosome Condensation (PCC) assay for radiation triage and dose estimation	Dr. P. Venkatachalam	IGCAR	Govt.	Human Genetics	2018	24.98	2017-2020 (3 years)
63	Impact of Meteorological changes and Air Pollution on Respiratory Health and Morbidity: A Retrospective Multicentric study	Dr. G. Thangavel	ICMR	Govt.	Environmental Health Engineering	2018	17.38	2018-2020 (1 year and 6 months)
64	Incretin response in south Indian subjects with and without diabetes	Dr. Shriraam Mahadevan	Endocrine Society of Tamilnadu & Puducherry	Govt.	Endocrinology	2018	1.18	2018 (1 year)
65	Duodenal mucosal changes & entero-endocrine cell density in Type 2 diabetes mellitus	Dr. Shriraam Mahadevan	Endocrine Society of Tamilnadu & Puducherry	Govt.	Endocrinology	2018	1.34	2018 (1 year)
66	Estimating exposures to volatile organic compounds and polycyclic aromatic hydrocarbons associated with use of kerosene as a household fuel through integrated environmental and bio-monitoring in rural and urban Tamil Nadu: a follow-up study on air toxics in the ICMR-CAR cohort	Dr. Krishnendu Mukhopadhyay	ICMR	Govt.	Environmental Health Engineering	2018	26.46	2018-2020 (2 years)

67	Atmospheric pollution & Human Health in an Indian megacity: Delhi Air pollution Health and Effects (DAPHNE) study	Dr. Kalpana Balakrishnan	Department of Biotechnology & National Environmental Research Council (UK)	Govt.	Environmental Health Engineering	2018	100.10	2017-2021 (4 years)
68	Role of soluble urokinase -type plasminogen activator receptor (supar) as a predictor of chronic obstructive pulmonary disease severity	Dr. Rekha Dhandapani	SERB	Govt.	Physiology	2018	5.95	2018-2021 (3 years)
69	Evaluating the role of periostin as a novel biomarker in asthmatics of Puducherry	Dr. G. R. Sathya	SERB	Govt.	Physiology	2018	3.16	2018-2021 (3 years)
70	An exploratory study on the concept of prioritization and rationalisation of nursing care and development of interventions to effect prioritization and rationalisation among nursing professionals	Ms. Lata Mandal	DST	Govt.	Nursing	2018	10.80	2018-2021 (3 years)
71	Design & Screening of novel small molecules as potential inhibitors of the oncogenic signalling kinase Pak1 for Glioblastoma multiforme	Dr. Ganesh Venkatraman / Prof. Sandhya Sundaram	SERB	Govt.	Human Genetics / Pathology	2018	25.85	2018-2021 (3 years)
72	Evaluation of interproximal contact areas of primary molars as a risk factor for early childhood caries	Prof. MS. Muthu/ Dr. Krithiga M	DBT India Alliance	Govt.	Dental	2018	102.74	2018-2023 (5 years)

73	Role of umbilical cord mesenchymal stem cells transplantation in the prevention of preterm brain injury - A preclinical study	Dr. Thangaraj Abiramalatha	DBT	Govt.	Neonatology	2018	16.70	2018-2020 (1 year 6 months)
74	Attitude and the Readiness for Inter professional Education and Collaboration among Undergraduate healthcare students: A Mixed Methods Approach	Dr. A. Porkodi	Tamil Nadu Nurses & Midwives Council	Govt.	Nursing	2018	0.42	2018-2019 (9 months)
75	Systematic and Scientific investigation of selected medicinal plants from north eastern part of India for rheumatoid arthritis and derivation of mechanism of action using bioguided fractionation methods besides identification and characterization of lead molecules using liquid-liquid separation technique	Dr. D. Chamudeeswari	DBT (NER-BPMC)	Govt.	Pharmacy	2018	30.16	2018-2021 (3 years)
76	Identifying Hydrogen Sulphide role in vitro model of inflammatory bowel disease	Dr. Kavitha R Thangaraj	DST (WOS-A)	Govt.	Human Genetics	2018	23.80	2018-2021 (3 years)
77	Assess the influence of workplace, mode of commuting and residence characteristics on personal exposure to PM2.5	Dr. Sankar Sambandam	WHO-CC	Govt.	Environmental Health Engineering	2018	23.71	2018-2019 (1 year)
78	Geographical Information Systems for Epidemiological research. Case studies with focus on Chronic Kidney Disease of unknown etiology	Dr. Vidhya Venugopal	Swedish Research Council	Govt.	Environmental Health Engineering	2018	15.14	2018-2020

79	National Environmental Health Profile for Air Pollution and Health Effects: A multi-city assessment	Dr.Kalpana Balakrishnan (PI) Dr.Sankar Sambandam (CO-PI) Dr.G.Thangavel (Co-PI)	Ministry of Environment , Forests and Climate Change	Govt.	Dept. of EHE	2018	52.67	2018
80	A jolt from the gut - HIV-1 infection and the intestinal microbiome	Dr.Padma Srikanth	SPARC	Govt.	Microbiology	2019	52.41	2019-2021
81	"Pen to Paper"-Evaluation of Scientific Reading, Writing and Working Skills	Dr.Padma Srikanth	SPARC	Govt.	Microbiology	2019	52.42	2019-2021
82	Evidence-based and patient-centered affordable healthcare in chronic kidney disease (CKD) among South Asian/Indian population	Dr. Jayakumar M	SPARC	Govt.	Nephrology	2019	51.61	2019-2021
83	Eye-tracking technology:applications and the power of eye movement in dental research	Dr.M.S.Muthu	SPARC	Govt	Dental	2019	47.84	2019-2021
84	MLFA Development and Evaluation: RUB19 (Development and Evaluation of a Multiplex Lateral Flow Assay to screen for RUBella and B19 parvovirus)	Dr. Padma Srikanth	SPARC	Govt.	Microbiology	2019	52.42	2019-2021
85	Varicella zoster virus (VZV) and the gut	Dr.Padma Srikanth	SPARC	Govt.	Microbiology	2019	52.42	2019-2021
86	Formulation and optimization of a herbal mucoadhesive gel for antifibrotic effect in oral submucous fibrosis using animal models	Dr. N Malathi	SPARC	Govt.	Dental	2019	55.18	2019-2021

87	A comparative study on sertraline among depressed individuals with type 2 diabetes mellitus/hypertension	Mr. S. Karthik	TNSCST	Govt.	Pharmacy	2019	0.075	2019-2020 (Feb'19 to Apr'19)
88	Evaluation of Stress among School Going Late adolescents (15-19yrs) in Chennai	Mr. R. Srihari	MAMTA Health Institute for Mother and Child	Govt.	Physiology	2019	1.00	2019-2022 (3 years)
89	CSIR-SRF	Christina V S	Council of Scientific & Industrial Research	Govt.	Biotechnology	2019	7.12	2019-2021 (2 years)
90	Assessment camp and Final selection trials at Centre for Sports Sciences, Chennai from 22-27 April 2019	Prof. S. Arumugam	Khelo India Division	Govt.	Sports Medicine	2019	6.009	2019 1 week
91	Kitting, Coaching/Sports Science Management/Asset Utilization charges	R. Srinivasan	Khelo India Division	Govt.	Sports Medicine	2019	5.05	2019 (Nov'2018 to Feb'2019)
92	CSIR-SRF	Ravi R	CSIR	Govt.	Human Genetics	2019	5.44	2019-2021 (1 year 6 months)
93	National Environmental Health Profile- Chennai	Dr. S. Sankar	Ministry of Environment , Forest & Climate Change	Govt.	Environmental Health Engineering	2019	52.67	2019-2022 (3 years)

94	Proteomic Studies on Microvascular Cells in Diabetes Associated Complications	Dr.K.Kaviarasan - Mrs. Sharmila Rajendran	ICMR	Govt.	Biomedical Sciences	2019	13.2	2019-2022 (3 years)
95	OXIS classification of Inter-proximal contacts of primart molars & its prevalence in a population	Dr. M. S. Muthu	ICMR	Govt.	Pedodontics	2019	1.35	2019 5 Days
							6363.89	

Year	Amount Sanctioned	No. of Projects
2007	1159.50	1
2010	544.58	2
2011	22.51	1
2012	266.97	6
2013	339.34	12
2014	245.92	12
2015	118.79	8
2016	2419.39	9
2017	307.94	8
2018	482.74	20
2019	456.21	16
Total	6363.89	95