

1. Research projects funded by the State/National/International agency (New and On-going)

S. No	CRF Project Code	Title of the Project	State/ National/ International	Type of project (Major/Minor/Industry sponsored/ any other)	Name of the Principal Investigator, Co-PI & Co Investigators	Department of Investigators	Faculty of Investigators	External Collaborator s/ Investigators	Name of the Funding agency	Date & Year in which started & Duration	Duration of the project (Years)	Period of Award	Total Grant in Lakhs
1	28239	Effectiveness of a comprehensive tele-practice model for identification and rehabilitation of children with hearing and speech-language disorders in rural communities	National & International	Govt	Dr. Vidya Ramkumar Dr. Lakshmi Venkatesh, SRIHER Dr. Roopa Nagarajan, SRIHER	Speech, Language and Hearing Sciences	Faculty of Audiology & Speech Language Pathology	Dr. Anil Prabhakar, IIT Madras Dr. Suba Kumar, SMARTH Dr. D. Subramanian, Sree Balaji Medical College	India Alliance DBT Wellcome	24.08.2020	5 years	2020-2025	25600000
2	28280	Design and validate mind body techniques for resilience building and wellness of health care workers engaged in Asstressed environment	National	Govt.	Dr. Mathangi Damal Chandrasekar Dr.Sudhagar Singh	Mind Body Medicine lifestyle Sciences General Medicine	Faculty of Allied Health Sciences Faculty of Medicine	None	DST	23.02.2021	1 year	2021-2022	590878

3	28314	Validation of Web-based audiometric software-Consultacy project	National	Pvt. - Industry	Dr. Vidya Ramkumar	Audiology	Faculty of Audiology & Speech Language Pathology	None	IZAMED ITECHNOLOGY	18.09.2021	18 months	2021-2023	59472
4	28163	The role of Ras associated domain family protein on tumor invasion and migration	National & International	Govt. & Independent Public Charity	Dr. Lakshmi Revathi Perumalsamy	Biomedical Sciences	Faculty of Biomedical Sciences & Research	Dr. Mahalingam, IIT Madras Dr. Madhulika Dixit, IIT Madras	India Alliance DBT-Wellcome	10.12.2019	3 years	2019-2022	10667462
5	28222	Modulating post translational modification of the oncogenic signaling kinase p21 activated kinase-1	National	Govt.	Dr. Ganesh Venkatraman	Human Genetics	Faculty of Biomedical Sciences & Research	None	Dept. of Atomic Energy (DAE) Board of Research in Nuclear Sciences (BRNS)	30.07.2020	3 years	2020-2023	5651600

6	28273	Establishment and capacity building for rapid radiation triage and dose estimation using gene expression biomarker	National	Govt.	Dr. P. Venkatachalam	Human Genetics	Faculty of Biomedical Sciences & Research	None	AERB	December 21,2020	2 years	2020-2022	2895675
7	28294	Comparison of Dose-Response Curve for 60Co, Gamma/X-Ray Induced Cytogenetic Markers (M/A)	National	Central Govt.	Dr. J. Vijayalakshmi Dr. Solomon F.D. Paul	Human Genetics	Faculty of Biomedical Sciences & Research	Dr. Rajesh Chaurasia, RPAD, BARC, Mumbai	DAE, BRNS	16.06.2021	3 years	2021-2024	3040550
8	28296	Investigating the role of Dead-box helicase, DDX20 in Wnt-driven ROS production in triple-negative breast cancer	National	Central Govt.	Dr. Lakshmi Revathi Perumalsamy Dr. Archana Dr. Sandhya Sundaram Dr. Natarajan Bhaskaran Dr. Anu	Biomedical Sciences Pathology	Faculty of Biomedical Sciences & Research Faculty of Medicine	None	SERB	16-Jun-21	3 years	2021-2024	2985224

9	28327	Unravelling the significance of hTERT PAK1 interaction in cancer cells	National	Central Govt.	Dr. Ganesh Venkatraman	Human Genetics	Faculty of Biomedical Sciences & Research	None	ICMR	25.09.2021	3 years	2021-2024	963618
10	P0479 28344	Establishment of BioNEST Bioincubator by Strengthening of Sri Ramachandra Innovation Incubation Center	National	Central Govt.	Dr. Kalpana Balakrishnan	University	University	Biotechnology Industry Research Assistance Council (BIRAC)	Biotechnology Industry Research Assistance Council (BIRAC)	08.01.2021	3 years	2021-2024	63187000
11	28165	Comparison of herbal and semi-synthetic compounds for enhancement of the proliferation and potency of Mesenchymal Stem Cells derived from adult dental pulp	National	Govt.	Dr. Alan Mathew Punnoose Dr. Dwarakanath, Visiting professor, SRIHER	Clinical Research	Faculty of Clinical Research	Dr. Atanu Bhattacharjee, Asst. Prof., Dept. of Biotechnology and Bioinformatics, North Eastern Hill University	Dept. of Biotechnology (DBT)	29.11.2019 Extension 30th September 2023	4 years	2019-2023	3893360

12	28111	Urinary microRNAs as Potential Biomarkers for Childhood Nephrotic Syndrome	National	Govt.	Dr. C. D. Mohana Priya Dr. V. Vettriselvi	Clinical Research Human Genetics	Faculty of Clinical Research Faculty of Biomedical Sciences & Research	None	Dept. of Biotechnology (DBT)	25.02.2019	3 years	2018-2022	3014000
13	28208	De-cellularized and anticoagulant enhanced "Off the shelf" vascular grafts - fabricated by culturing human umbilical vein endothelial and smooth muscle cells on electrospun	National	Govt.	Dr. Alan Mathew Punnoose Dr. Emmanuel Dhiravia Sargunam A, OMFS Dr. Yogesh Murkunde, CEFTE	Clinical Research Oral and Maxillofacial Surgery	Faculty of Clinical Research Faculty of Dental Sciences	None	DBT - BIRAC PACE	20.12.2021 till March 2022 Extn. Order till 03.11.2022	2 years 6 months	2020-2022	4155000
14	28214	Nilavembu kudineer	National	Govt.	Dr. Yogeshkumar Murkunde (Relieved) Dr. Gayathri	CEFTE	Faculty of Clinical Research	None	Central Council for Research in Siddha	23.06.2020	2 years 5 months	2020-2023	3679500

15	28014	Evaluation of interproximal contact areas of primary molars as a risk factor for early childhood caries	International National	Govt.	Dr. Krithiga M Supervisor: Dr. M. S. Muthu	Pediatric Dentistry	Faculty of Dental Sciences	Dr. Justin Lee Private Practitioner, South Korea Dr. Tarun Walia Ajman University, U.A.E	DBT India Alliance	03.08.2018	5 years	2018-2023	10274000
16	28106	Formulation and Optimization of a Herbal Mucoadhesive Gel for antifibrotic effect in Oral Submucous Fibrosis using animal models	National	Govt	Dr. N. Malathi Dr. Chamundeeswari Dr. Sathesh Kumar Kesavan	Oral Pathology Pharmacy	Faculty of Dental Sciences Faculty of Pharmacy	Prof. Jiang Li (Shanghai Jiao Tong university) Prof. Zhen Tian (Shanghai Jiao Tong university)	Scheme for Promotion of Academic and Research Collaboration (SPARC)	13.05.2019 (Extended 2 years 31.03.2023)	2 years (Extended 2 years) - Total 4 years	2019-2023	5518000
17	28202	Herbal mouth rinses for oral health in children and adolescents	National	Govt.	Dr. M. S. Muthu Dr. Akila Ganesh	Pediatric Dentistry Public Health Dentistry	Faculty of Dental Sciences	None	ICMR	20.11.2020	2 years	2020-2022	1501881

18	28317	Expression of tumor microenvironment stromal markers and its relationship with mTOR in oral squamous cell carcinoma – A retrospective cohort study	National	Central Govt.	Dr. R. Suganya Dr. V. Deepa Parvathi	Oral Pathology Biomedical Sciences	Faculty of Dental Sciences Faculty of Biomedical Sciences & Research	None	SERB	22-Sep-21	3 years	2021-2024	2968994
19	28322	Genetic and proteomic expression profiling in clinical stages of oral sumucous fibrosis patients	National	Central Govt.	Dr. C. V. Divyambika Dr. Sadhasivasu bramnian	Oral Medicine and Radiology	Faculty of Dental Sciences	Dr. Vijayalakshmi (Cancer Institute)	ICMR	27.09.2021.	3 years	2021-2024	2331730
20	28326	Workshop on Advanced Molecular Biology Techniques in Dentalgenetic Research	National	Central Govt.	Dr. Vamsi Lavu Dr. Vettriselvi V	Periodontics Human Genetics	Faculty of Dental Sciences Faculty of Biomedical Sciences & Research	None	DHR-ICMR	11.11.2021	3 years	2021-2024	2307126

21	28085	Influence of Clonal Hematopoiesis of Indeterminate Potential (Chip) In Patients With Coronary Artery Disease	National	Govt	Dr. Nagendra Boopathy Dr. Vettriselvi V	Cardiology Human Genetics	Faculty of Medicine Faculty of Biomedical Sciences & Research	None	Indian Council of Medical Research (ICMR)	26.08.2019	3 years	2019-2022	2718680
22	28075	Evaluation of Stress among School Going Late adolescents (15-19 years) in Chennai	National	Non- Govt	Mr. R. Srihari	Physiology	Faculty of Medicine	None	MAMTA Health Institute for Mother and Child, New Delhi	03.04.2019	3 years	2019-2022	100000
23	28231	Evaluation of effect of structured yoga intervention on neurocognitive and stress markers among the patients with anxiety and depression	National	Govt	Dr. R. Padmavathi Dr.R.Sathianathan	Physiology Psychiatry	Faculty of Medicine	None	DST-Satyam	17.03.2020	3 years	2020-2023	3501340

24	28219	Identification of Molecular Signalling Pathways Governing the Fate of Medical Edge Epithelium in Oreo-facial Clefts	International	Non- Govt	Dr. Syed Altaf Hussain	Plastic Surgery	Faculty of Medicine	None	Smile Train	12.05.2020	18 months	2020-2022	8136920
25	28246	Effectiveness of integrated clinical and behavioral interventions for cardiovascular risk management among patients with serious mental disorders in psychiatric outpatients	National	Govt.	Dr. Suvarna Jyothi Kantipudi	Psychiatry	Faculty of Medicine	None	ICMR	09.10.2020	2 years	2020-2022	619600
26	28259	X-Rays AI Project	National	Non Govt.	Dr. Venkata Sai	Radiology	Faculty of Medicine	None	HCL Technologies Pvt. Ltd	06.02.2021	1 year	2021-2022	360000
27	28285	ICMR's network of pulmonary fibrosis (INPF)	National	Govt.	Dr. Irfan Ismail Ayub	Respiratory Medicine	Faculty of Medicine	None	ICMR		5 years	2021-2026	4530700

28	28298	Novel epithelial mesenchymal transition marker profile across molecular subtype of breast carcinoma with focus on metastatic disease	National	Central Govt.	Dr. Sandhya Sundaram	Pathology	Faculty of Medicine	None	SERB	16-Jun-21	3 years	2021-2024	2925824
29	28299	Developing a prediction model for determining probability of harbouring ESBL producing enterobacteriaceae in UTI	National	Central Govt.	Dr. P. Kennedy Kumar	Microbiology	Faculty of Medicine	None	BIRAC	11.04.2021	18 months	2021-2022	405000
30	28323	Prediction of Radiotherapy outcomes in Head and neck squamous cell carcinoma using novel markers	National	Central Govt.	Dr. Sandhya Sundaram	Pathology	Faculty of Medicine	None	BRNS	16.09.2021	3 years	2021-2024	3248968

31	28337	Community behavior and its determinants in relation to Malaria prevention and control in Tamil Nadu	National	Central Govt.	Dr. M. Anitha Rani	Community Medicine	Faculty of Medicine	None	ICMR	24.08.2021	2 years	2021-2023	2977720
32	28300	Effects of Maternal Probiotic supplementation on glycaemic control and pregnancy outcomes	National	Central Govt.	Dr. S. J. Nalini Dr. R. Kavitha, Nuring Dr. Usha Viswanath, Obst Gyn. Dr. Anupama Justi Kinde	Obs. Gyn Nursing Nursing Obst. Gyn. Microbiology Clinical Nutrition	Faculty of Nursing Faculty of Medicine Faculty of Allied Health Sciences	None	ICMR	08.03.2021	3 years	2021-2024	1162461
33	28257	Development and characterization of Nano Drug Delivery system	National	Govt.	Dr. S. Shanmuganathan	Pharmaceutics	Faculty of Pharmacy	None	AICTE-MODROBS	20.07.2020	2 years	2020-2022	1313725

34	28302	Advances in Pharmaceutical Education and Research	National	Central Govt.	Dr. K. Chitra (2021), DR A Jerad Suresh, Principal (2022 - till date) Dr. Saba Maanvizhi Dr. C	Pharmacy	Faculty of Pharmacy	None	DST	5th March 2021	5 years	2021-2026	5300000
35	28301	Design and development of wearable biofeedback device for Postnatal Diastasis Recti Abdominis (DRA) patients	National	Central Govt.	Ms. P. Ponmathi	Physiotherapy	Faculty of Physiotherapy	Dr. Menaka & Dr. Karthik, Biomedical Engineering VIT Chennai	DST	06.05.2021	2 years	2021-2023	1022560
36	28137	Prenatal Exposure to Air Toxics and Adverse Birth Outcome: an Integrated Rural-Urban Mother-Child Prospective Cohort Study	National	Govt.	Dr. Naveen Puttaswamy	Environmental Health Engineering	Faculty of Public Health	None	Indian Council of Medical Research (ICMR)	13.08.2019	3 years	2019-2022	10058732

37	28368	Applying behavioural economics insights to achieve reductions in household air pollution in India	International	Non Govt.	Dr. Kalpana Balakrishnan	Environmental Health Engineering	Faculty of Public Health	None	University of Pennsylvania Institute for the advanced Study of India	07.01.2022	8 months	2022	2660000
38	28078 28081	KHELO INDIA	National	Govt.	Dr. S. Arumugam	Sports & Exercise Sciences	Faculty of Sports & Exercise Sciences	None	Implementation of Khelo India Sports Scheme - Khelo India Division	Project 1 22.04.2019 07.08.2019 Project 2 08.04.2019	Ongoing 2019 to till	2019- Ongoing	7449852
39	28346	Development of Elastin based protein nanogels targeted delivery system of combo drugs Enzalutamide/Decursin for Castration Resistance Prostate Cancer	National	State Govt.	Dr. Vinoth Lakshmanan Dr. Natarajan K Dr. Satish Srinivas Kondaveeti	Clinical Research Urology Radiation Oncology	Faculty of Clinical Research Faculty of Medicine	None	DST-SERB	11th January, 2022	3 years	2022-2025	4725600

40	28367	Strategic Competency Framework for Digital India Healthcare	National	Central Govt.	Dr. K. C. John Dr. G. Jabarethina, Co Project Director	Management Sciences	Faculty of Management Sciences	None	ICSSR (MoE)	21.03.2022	2 years	2022-2024	1650000
41	28316	Tapping the role of Wnt signaling for neural regeneration in Spinal Cord Injury	International	Non Govt.	Dr. G. Sudhir Dr.Lakshmi Revathi	Orthopaedics & Spine Surgery Biomedical Sciences	Faculty of Medicine Faculty of Biomedical Sciences & Research	None	AO Spine International - Switzerland	05.07.2021	1 year	2021-2022	1750000
42	28328	Multicenter observational study of candidemia cases with special reference to Candida auris candidemia among ICU patients in India	National	Central Govt.	Dr. Anupama Jyoti Kindo	Microbiology	Faculty of Medicine	Dr. Shivprakash Rudramurthy (PGIMR faculty)	ICMR		1 year 6 months	2022-2023	164250

43	28374	How do workers perceive heat, heavy workload, dehydration and lack of access to sanitation as risk factors for Chronic Kidney Disease? – Surveying from different	International	Non Govt.	Dr. Vidhya Venugopal Dr. PK Latha	Environmental Health Engineering	Faculty of Public Health	-	American Redcross - Extreme heat by the Global Disaster Preparedness Center	May-22	6 Months	2022	745214
44	28380	HAPIN - Dissemination Work	International	Non Govt.	Dr. Kalpana Balakrishnan	Environmental Health Engineering	Faculty of Public Health	None	Global LPG Partnership	March 1, 2022-June 30, 2022	4 Months	2022	398942
45	28418	Imbalance of and anti-inflammatory bioactive lipids, reverse cholesterol transport (HDL function) in the progression of pre diabetes to type 2 diabetes mellitus	National	Govt.	Dr. K. Kaviarasan Dr. Shriram Mahadevan, Endocrinology, SRIHER	Biomedical Sciences	Faculty of Biomedical Sciences & Research	None	ICMR	03.02.2022	3 years	2022-2025	3312339

46	28446	Assessing the 5-Year Effects of a 500-day Liquefied Petroleum Gas Cooking Intervention: Continued Follow up of Participants from the Household Air Pollution	International	Non Govt.	Dr. Kalpana Balakrishnan	Environmental Health Engineering	Faculty of Public Health	None	NIH (USA)	15.09.2022	4 years	2022-2026	74534474
47	28449	Development of novel nano-silymarin gel for therapeutic efficacy in Oral Submucous Fibrosis	National	Central Govt.	Dr.C.V.Divyambika Dr. Satish Srinivas	Oral Medicine & Radiology Radiation Oncology	Faculty of Dental Sciences Faculty of Medicine	Dr. Vijayalakshmi (Cancer Institute) Dr. Saravanan Muthupandian (Saveetha)	ICMR	05.01.2023	3 years	2023-2026	3341130
48	28459	A system-based framework integrating metagenomics-metabolomics data to unravel microbial interactions in urinary tract infections	National	Govt.	Dr. Emmanuel Bhaskar Dr. R. Mahesh	General Medicine Biotechnology	Faculty of Medicine Faculty of Engineering & Technology	Dr. Gnanasambandan R	ICMR	28.12.2022	3 years	2022-2025	1464510

49	28463	Heat Exposure & Adaptation Tools - Protecting Occupational groups via intervention Techniques to Combat Hot Temperatures (HEAT-PROTECT)	International	Non Govt.	Dr. Vidhya Venugopal	Environmental Health Engineering	Faculty of Public Health	-	National Institute for Health and Care Research (NIHR) Centre on NCDs and Environmental	29th September, 2022	5 years	2022-2027	77376723
50	28469	Role of Casz 1 in Oral Cancer - A pilot study towards its mechanism	National	Govt.	Dr. Natarajan Bhaskaran	Biomedical Sciences	Faculty of Biomedical Sciences & Research	None	DST-SERB SRG	29.12.2022	2 years	2022-2024	2967310
51	28482	Association of Alpha-Synuclein in Prediabetes and its progression to Type 2 Diabetes Mellitus	National	Govt.	Dr. K. Kaviarasan Dr. Sutanu Patra, M.Sc Student	Biomedical Sciences	Faculty of Biomedical Sciences & Research	None	TNSCST-Alpha synuclein Project	03.03.2023	3 Months	2023	7500

52	28481	Identification of novel therapeutic substrates unique to triple negative breast cancer using kinase interacting substrate strategy	National	Govt.	Dr. Ganesh Venkatraman Dr. S Gouthaman	Human Genetics Surgical Oncology	Faculty of Biomedical Sciences & Research Faculty of Medicine	None	ICMR	14.02.2023	3 years	2023-2026	3145793
53	28486	Penultimate treatment line for fracture repair - a clinical trial using bone adhesive in managing fracture mandible	National	Central Govt.	Dr. Jawahar Babu S Dr. Naveen Kumar J Dr. Pearlcid Siroraj	Oral and Maxillofacial Surgery	Faculty of Dental Sciences	None	ICMR	13.03.2023	2 year 10 months	2023-2026	4249353
54	28397	Assessing the 5-Year Effects of a 500-day Liquefied Petroleum Gas Cooking Intervention: Continued Follow Up of Participants from the Household Air Pollution	International	Non Govt.	Dr. Kalpana Balakrishnan Dr. Sankar Dr. Krishnendu Dr. Naveen Dr. Thangavel Dr. Sharada	Environmental Health Engineering	Faculty of Public Health	None	NIH (USA)	July 1, 2022	1 year 2 months	2022-2023	7356717

55	28494	Chromosomal sensitivity in direct and bystander cells irradiated with low- and high LET radiation	National	Govt.	Dr. P. Venkatachalam Dr. Teena Koshy	Human Genetics	Faculty of Biomedical Sciences & Research	Mrs. Pooja Kamal Melwani, SOE, Radiation Signaling and Cancer Biology Section, Radiation Biology and	DAE-BRNS	24.04.2023	3 years	2023-2026	2852800
56	28379	Nutritious food products for pediatrics population	National	Govt.	Dr. N. Preetha	Clinical Nutrition	Faculty of Allied Health Sciences	None	NIDHI PRAYAS program-Healthcare Technology Innovation Centre (HTIC), IIT	16.05.2022	1 year 6 months	2022-2024	500000
57	28480	Effectiveness of yoga based cardiac Rehabilitation (Yoga-Care) programme in heart in heart failure: A randomized controlled clinical trial	National	Govt.	Dr. Nagendra Boopathy	Cardiology	Faculty of Medicine	None	ICMR	21.02.2023	3 years	2023-2026	1017022

58	28341	Digoxin in patients with rheumatic heart disease - a randomised placebo controlled trial	National	Govt.	Dr. Nagendra Boopathy	Cardiology	Faculty of Medicine	None	ICMR	Jan, 2022	3 years	2022-2025	293962
59	28490	HAPIN 1.5: Follow-up of participants from the Household Air Pollution Intervention Network (HAPIN) trial, in children aged 24 months, in India	International	None	Dr. Kalpana Balakrishnan Dr.Sankar Dr.Thangavel Dr.Krishnendu Mukhopadhyay Dr. Neeraj	Environmental Health Engineering	Faculty of Public Health	None	National Institute of Health, USA	16th day of March, 2022	2 Months	2022	1940250
60	28492	Household Air Pollution and Health: a multi-country LPG intervention trial (ISN)	International	None	Dr. Kalpana Balakrishnan Dr.Sankar Dr.Thangavel Dr.Krishnendu Mukhopadhyay Dr. Neeraj	Environmental Health Engineering	Faculty of Public Health	None	National Institute of Health, USA	05.04.2022	1 year	2021-2022	974249

61	28513	To estimate the blood lead levels in children between 13 to 72 months and in pregnant women in conducting lead poisoning surveillance for the purpose of this research and	National	Private	Dr. N. Vinayagamoorthy Prof. Krishnendu Mookhopadhyay Mr. Arulselvan	Environmental Health Engineering	Faculty of Public Health	None	Vital Strategies India Services Private Ltd.	22-May-23	1 year	2023-2024	3786239
62	28484	Effect of digoxin and angiotensin converting enzyme inhibitors on cognitive impairment in geriatric valvular disease patients - A prospective and cohort study	National	State Govt.	Ms. Janani. C Abigail Elina Mathew Swethaa D Devashree V Guide: Dr. S. Karthik	Pharmacy practice	Faculty of Pharmacy	None	TNSCST	03.03.2023	1 year	2023-2024	7500
63	Yet to create	Prenatal Fine Particulate Matter (Pm2.5) and Polycyclic Aromatic Hydrocarbon (PAH) Exposures and their Association with Birthweight in Southern India	International	Non Govt.	Dr. Naveen Puttaswamy	Environmental Health Engineering	Faculty of Public Health	None	NIH	08-26-2022	5 years	2022-2027	19989261