

Jubilee Centre for Medical Research

Jubilee Mission Medical College & Research Institute, Thrissur Kerala 680005

Funded research projects (As on 01.01.2024) (ongoing & completed)

Sl.No	Title of the Project	Name of investigators	Funding Agency Year of starting and completing	Amount Sanctioned (In lakhs)
1	Outcome of pulmonary and extrapulmonary tuberculosis in patients with Diabetes Mellitus	Dr. Supriya Adiody, Pulmonary Medicine Dept	RNTCP, Govt of Kerala 2011-12	Rs. 0.60
2	Tissue Engineering - Development of affordable biodegradable dermal substitutes	Dr. Prasanth Varkey, Assoc Prof Dr. V.N. Vasudevan, Dept of Livestock Products Technology, Veterinary and Animal Sciences, Mannuthy, Thrissur	DRDO, Ministry of Defence, Govt. of India 2012- 2015	Rs 151.73 Lakhs-JMMC & R share 49.74 Lakhs
3	Incidence of Hypocalcaemia in near total Thyroidectomy patients	PI: Ms. Anagha Santhosh Guide: Dr. M.L. Dathan	STS-ICMR 2013	Rs 0.10
4	Value of Herpes Zoster in the early diagnosis and prognosis of HIV infection	PI: Ms. Sneha Susan Jacob Guide: Dr. K B Mohan	STS-ICMR 2013	Rs 0.10
5	Clinical and Electrocardiographic assessment of myocardial oxygen demand and reserve in Hypertensive	PI: Ms. Georgeena Elsa Guide: Dr. Gopakumaran Kartha	STS-ICMR 2013	Rs 0.10
6	Prevalence and antibiotic sensitivity pattern of carbapenemase producing Gram negative bacilli in a tertiary care centre	PI: Dr. Jily Chinnan Guide: Dr. Chithra Valsan N	ICMR-MD 2013	Rs 0.10
7	Hyperbaric oxygenation in treatment of alcohol dependence syndrome	Dr. Geomy G Chakkalakkudy, Psychiatry Dept	DBT/ INCRE Fellows ship 2014-2016	Rs 5.00 Lakhs
8	Risk assessment and management of VTE in women at risk of thromboembolism during pregnancy and puerperium	Dr. Aswath Kumar (Dept of OBG)	Sanofi 2015-2016	Rs. 0.50 Lakhs
9	Investigations on Endoplasmic Reticulum Stress and Unfolded Protein Response in Rabies Virus Infection	Dr. Ullas Thankappan, JCMR	SERB – DST 2015-16	Rs 17.7 Lakhs

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10	Cytomegalovirus (CMV) prevalence among blood donor population in South India	Dr. Nithin Henry, Transfusion Medicine Dept	Johnson &Johnson Ortho Clinic 2015-2016	Rs. 5 Lakhs
11	Acute Coronary Syndrome Quality Improvement in Kerala	Dr. T GovindanUnni (Cardiology Dept)	ACS QUIK Trial 2015-2017	Rs 2.00 Lakhs
12	Facts and Myths:A Studyto assess theknowledge, Attitude and Practices of hand Hygienein a health caresetting	PI: Ms. Georgeena Elsa Mentor: Dr. ChithraValsan N	STS-ICMR 2015	Rs 0.10
13	Lipoprotein (a)as a risk factor ofCoronaryHeartDiseasein Kerala	PI: Ms.Anna Rose Mentor: Dr. T. GovindanUnni	STS-ICMR 2015	Rs 0.10
14	Assessment of knowledge, attitude and practice amonganganwadi workers regardingproperchild growth monitoring	PI: Ms.TisaJohn Mentor: Dr. Ashish Wasudeokhobragade	STS-ICMR 2015	Rs 0.10
15	Theprevalence, association and risk factors ofglucose metabolic disorders in patients whohaveundergoneThyroidectomy	PI: HarshaElizabeth Guide: Dr. SakunthalaBhai	STS-ICMR 2015	Rs 0.10
16	A Comparison ofpulmonaryfunctions in car airconditionerusers and room air conditionerusers	PI: Ms. Anu T E Guide: Dr.BijuBahuleyan	STS-ICMR 2015	Rs 0.10
17	Role ofMyeloperoxidase as a marker ofacute coronary syndrome	PI: Ms.SonaJose Guide: Dr. GovindanUnni& Dr. P.T Annamalai	STS-ICMR 2016	Rs 0.10
18	A StudyonLiverStatus in Male MelasmaPatients	PI: Ms.JeevaJohny Guide: Dr. Varghese James & Dr. T K Joseph	STS-ICMR 2016	Rs 0.10
19	An interventional Study on Comprehensive Emergency Care and Trauma Registry for Road Traffic Injuries in India – Thrissur District, Kerala State	DrBabuUrumesePala tty (Emergency Medicine Dept)	ICMR-NTF 2017-20	Rs 75.64 Lakhs
20	Biocompatible combined polymer-polysaccharide Core-shell VEGF-targeted	Co-investigator Dr S Ranjith Anatomy Dept	DBT, Govt India. 2017-20	Rs 42.00 Lakhs

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	nanocarrier for sustained pharmacotherapy towards diabetic retinopathy	NIIST, TVM Dr. Dr. Kaustabh Kumar Maiti		
21	Generation of potential VEGF, JAK1/JAK2 and IL-17 modulators for rheumatoid arthritis from traditional medicinal plants.	Co-investigator Dr S Ranjith Anatomy Dept NIIST, TVM, Dr. Genu George	DBT, Govt India. 2017-20	Rs 37.00 Lakhs
22	Evaluation of beneficial effect of Boeravinone - B from Boerhaaviadiffusa against diabetic cardiomyopathy through mitochondria mediated pathway in H9c2 cardiomyoblast and heart for development of nutraceutical	Co-investigator Dr S Ranjith Anatomy Dept NIIST, TVM	DBT, Govt India. 2017-20	Rs 37.00 Lakhs
23	Evaluation of beneficial effect of ferulic acid, cinnamic acid and chlorogenic acid against diabetic cardiomyopathy	Co-investigator Dr S Ranjith Anatomy Dept NIIST, TVM	DBT, Govt India. 2017-20	Rs 27.00 Lakhs
24	Role of grading of chest radiograph in predicting severity of Pneumonia in children between 2 months and 5 years	PI: Ms. Maria Tony Guide: Dr. Rose Xavier	STS-ICMR 2017	Rs 0.10
25	Feasibility, accuracy & validation study of the fetal heart rate (using fetal ECG) and uterine contraction (using uterine EMG) monitoring device during intra-partum period and to study the feasibility of prediction of fetal distress via pattern analysis of aforementioned parameters	Dr. Sareena Gilvaz, Professor & HOD, OBG Department	Janitri Innovations Private Limited 2018-19 (12 months)	2 Lakh
26	Evaluation of Loop mediated isothermal amplification for the rapid diagnosis of Tuberculosis	Dr. Chithra Valsan (Microbiology Dept)	RNTCP 2018-20	Rs 2.00 Lakhs
27	Randomized controlled trial of the effect of milking of umbilical cord versus standard care on Neonatal Morbidity pattern and Neurodevelopmental outcome up to one year of corrected age in very preterm infants	Dr V C Manoj Neonatology Dept	KSCSTE, Govt of Kerala 2018-21	Rs 16.32 Lakhs

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28	Erythrocyte Protein Profiling in Cardiovascular Diseases manifested with Elevated C-reactive protein in blood	PI: Ms. Joann B George Guide: Dr. Mathew John	STS-ICMR 2018	Rs 0.10
29	Study of Sofosbuvir/ Velpatasvir on patients with chronic Hepatitis C Virus infection	Dr T K Joseph (Dept of Gastroenterology) Dr Jerry Earali (Medicine Dept)	Mylan Pharmaceuticals 2019- 2020	Rs 2.9 Lakhs
30	The role of sortilin in cancer as an early diagnostic and prognostic marker	Dr. Alex George in collaboration with Dr. Cornelia M Wilson, Canterbury Christ Church University, UK	ICMR-DHR International Fellowship Programme 2019-20	Rs 36.00 Lakhs
31	Association of CRISPLD2 gene and non-syndromic cleft lip and palate: A case-control study	Ms. Soumya Raj (JCMR)	C Achutha Menon- T R Chandradutt fellowship 2020	Rs 0.25
32	Studies on the isolation of Hyaluronic acid from umbilical cord tissue and the methods of coating it on the Amchioplast product	DrPrashanthVarkey, Associate Professor, JCMR	CSR funding (Life cell corporation, Chennai) 2019-21	12 Lakhs
33	A study on snoring and stress patterns in sleep and the role of various head and neck supports in decreasing snoring	DrPrashanthVarkey, Associate Professor, JCMR	CSR funding (Duroflex, Bangalore) 2019-21	4 Lakhs
34	Community detection of diabetes using HbA1C and role of a mobile app based awareness program in lifestyle disease management.	DrPrashanthVarkey, Associate Professor, JCMR	CSR funding (M/s Jos Alukkas Foundation) 2019-21	25 Lakhs
35	Influence of demographic, clinical, genetic and pattern of management in maintaining long term abstinence among patients of alcohol use disorders who received treatment from De-addiction centres in Thrissur district: A prospective follow up study.	Dr. PraveenlalKuttichira, Psychiatry Dept	ICMR 2019-23	Rs. 53.68
36	Spectrum of cutaneous manifestations in patients with polycythemia vera- a hospital based study	PI: Ms. Elizabeth Thomas Guide: Dr. Varghese James	STS-ICMR 2019	Rs 0.20

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37	Association of Cardiorespiratory Fitness with Visceral Adiposity and Lifestyle Pattern among undergraduate Medical Students in South India	PI: Ms. AbiyaKunjumon Guide: Dr. BijuBahuleyan	STS-ICMR 2019	Rs 0.20
38	Rotasiil® Vaccine Intussusception Surveillance in Kerala, Karnataka, Maharashtra and Gujarat, India	DrAparnaNamboodir ippad, Associate Professor, Dept. of Pediatrics	Funded by Bill and Melinda Gates Foundation, USA through CMC Vellore 2020-23	Rs15.2 Lakhs
39	Laboratory extraction of active 1-8 Cineol from Alpine calacrata and Elettariacardamomum leaves, quantification using GCSMS studies and studies on antibacterial activity	DrPrashanthVarkey, Associate Professor, JCMR	CSR funding (M/s Jos Alukkas Foundation) 2020-22	35 Lakhs
40	A Study on the Causes and Outcomes of Markedly Elevated C reactive protein in Adults in a Tertiary Care Teaching Hospital in Central Kerala	PI: Ms. Avelyn T Kishore Guide: Dr. Rosmi Jose	STS-ICMR 2020	Rs. 0.20
41	Genetic Correlation by Pedigree Analysis in Patients Diagnosed with PCOS as per Rotterdam's Criteria	PI: Ms. Aiswarya H Menon Guide: Dr. Saley Daniel	STS-ICMR 2020	Rs. 0.20
42	Comparison of Sitting Time and Physical Activity as Predictors of Cardio-respiratory Fitness in Medical Students	PI: Mr. AshwinVarkey Ajay Guide: Dr. BijuBahuleyan	STS-ICMR 2020	Rs. 0.20
43	Clinical and Microbiological Profile and Outcome of Blood Stream Infections with Carbapenem Resistant and Carbapenem Susceptible Enterobacteriaceae- a Comparative Study	PI: Ms. Donna M Thomas Guide: Dr. ChithraValsan	STS-ICMR 2020	Rs. 0.20
45	Prevalence of occupational burnout among resident doctors working in a private hospital, Central Kerala	PI: Ms. JaziyaJabeen Guide: Dr. Indu K Gopi	STS-ICMR 2020	Rs. 0.20
46	A Hospital Based Study on Assessing the Significance of Serum Lactate Dehydrogenase Level in Preeclampsia and its	PI: Mr. Savio Simon Guide: Dr. Viji Krishnan	STS-ICMR 2020	Rs. 0.20

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	association with Maternal and Foetal Outcome			
47	Development of microneedles from hyaluronic acid	DrPrashanthVarkey, Associate Professor, JCMR	CSR funding (M/s Vector Surgical Disposables) 2021	Rs 5 Lakhs
48	Epidemiological and Genetic Research among the Orofacial cleft patients from Central Kerala: A hospital based Case Control Study	Dr. Alex George Scientist, JCMR	Smile Train India 2021-24	Rs 78.6 Lakhs
49	Rotasiil® Vaccine Impact Assessment Study in Kerala, Karnataka, Maharashtra and Gujarat, India	DrAparnaNamboodir ippad, Assoc Prof, Dept. of Pediatrics	Wellcome Trust through CMC Vellore 2021-24	Rs28.86 Lakhs
50	Non-invasive treatment of uterine fibroids through rationally designed Selective 28progesterone receptor modulators	Dr. DileepVijayan Scientist, JCMR	DHR 2021-24	Rs 90 Lakhs
51	Effectiveness of Covid Vaccine and identification of SARS Cov2 Variants among PLHIV in Central Kerala – An Ambi-directional Cohort Study	Dr. Joe Thomas, Prof, Dept of Community Medicine	ICMR 2022-23	Rs 45.41Lakhs
52	Haemostatic variables in snakebite: a regional prospective cohort to identify the role of global coagulation assays and serial laboratory testing in the management of snakebite coagulopathy	Dr. Siju Abraham Asst. Prof, Dept of Emergency Medicine	ICMR 2022-24	Rs 34 Lakhs
53	Elucidating the roles of spices as preventive and therapeutic agents for Alzheimer's disease.	Dr.DileepVijayan Scientist, JCMR	Spices Board, Govt of India 2022-25	Rs25 Lakhs
54	Travel grant to attend 15 th world stroke congress 2023, Toronto, Canada	Dr. Siju Abraham	ICMR-Travel Grant 2023	Rs. 1.5 lakhs
55	Necessity of legal education for school students at Thrissur district – a comprehensive analysis	Dr. Preethi Shenoy Prof & Head, Dept of Biochem	Kerala Police Academy 2023-24	Rs 0.10
56	Ayurvedic nootropics as countermeasures for Alzheimer's disease: Strategic thinking and reverse pharmacology	Dr. RemyaChandran, RA Fellow, JCMR Mentor: Dr. DileepVijayan, Scientist, JCMR	NavaKerala-Research Associate, Govt of India 2023-25	Rs25 Lakhs

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	assisted scientific expositions			
57	Investigation into the Bioavailability and short-term toxicity of Curcumin formulations in rats	Dr. DileepVijayan, Scientist, JCMR	M/s Symega Food Ingredients 2023-24	Rs 5 Lakhs
58	Contamination of Dioxin-like POPs in animal origin human foods and its risk assessment	Dr. Rahul M Chirackal (NIIST) Co-I: Dr. Ranjith. S (Anatomy)	ICMR	Rs 50 Lakhs
59	Phytosome based targeted delivery and therapeutic evaluation of Phytopharmaceutical for the treatment of erectile dysfunction	Dr. A. Kumaran (NIIST) Co-I: Dr. Ranjith. S (Anatomy)	ICMR	Rs 45 Lakhs
60	Health risk assessment of dioxins and dioxin-like compounds in human breast milk: A pilot study	NIIST Co-I: Dr. Manoj VC	ICMR	Rs 5 lakhs
61	Indian Registry in Ischemic Stroke with Tenecteplase (IRIS – TNK Registry).	Dr PC Gilvas, Prof &HoD, Neurology	Gennova Biopharmaceut icals Ltd	Rs 9 Lakhs
62	Prevalence of probable depression and Internalized stigma among people living with HIV in Central Kerala	PI: Dr. Jyothilakshmi R, JR, Community Med Guide: Dr. Jeo Thomas, Prof, Dept of community medicine	ICMR_MD Support 2023	Rs 0.50
63	Caesarean section and risk of atopic dermatitis in pediatric patients presented to a tertiary care teaching hospital in central Kerala - a case control study	PI: Mr. Aju Varghese Guide: Dr. Varghese James (Dermatology)	STS-ICMR 2023	Rs 0.50
64	Study of prevalence of diabetic retinopathy among hospitalized diabetic patients and correlating it with the inflammatory marker levels in tear fluid.	PI: Ms. Neha ShibuElenjikal Guide: Dr. Pradeoth K M (Pastic Surgery & Burns)	STS-ICMR 2023	Rs 0.50
65	Epidemiology, Risk factors, Microbiological Profile and outcome of surgical site infections following emergency and elective caesarean section in a tertiary hospital: A cohort study	PI: Mr. Cyril Sam Guide: Dr. ChithraValsan (Microbiology)	STS-ICMR 2023	Rs 0.50
66	A Study To Assess The Need For Integrating Clinical Biochemistry In	PI: Ms. Meenakshi Suresh	STS-ICMR 2023	Rs 0.50

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	Ayurveda Medical Science For Quality Patient Care Services	Guide: Dr. PreethiShenoy (Biochem)		
67	Snakebite Treatment- Snake Bite Life Support (SBLA) course	Dr. VijayChanchal	ICMR Workshop 2024	Rs. 9.2 Lakhs
68	Defining a normal reference range for rotational thromboelastometry (ROTEM) in healthy obstetric population	Dr. UshaShenoy, Prof, Dept of Anesthesiology	ICMR 2023-25	Rs38.96 Lakhs