

JSS AHER
JSS MEDICAL COLLEGE, MYSURU
ONGOING RESEARCH PROJECTS - 2021 - National

Sl. No	Title of the Project	Name of the Principal Investigator/Mentor & Department	Sanctioned by	Project Sanctioned letter No. & Date	Grant sanction	Duration of the Project
1	Dysfunctional HDL: A diagnostic target for atherosclerosis risk in Type 2 diabetes Mellitus	Dr.Swetha N K Asst. Professor Dept. of Biochemistry JSS MC, Mysuru	DBT	BT/PR18776/BIC/101 /245/2016 Dated: 14.12.2017	3,652,319.00	3 Yrs
2	A study of RT-PCR quantification of 16SRNA and 18-kDa antigen gene targets in assessing the efficacy of multi-	Dr.Ranugha P.S.S. Assistant Professor Dept. of Dermatology JSS MC, Mysuru	IADVL Research Grants	Through E-mail Dated: 11.08.2017	443,000.00	3 Yrs
3	Understanding the role of Vitamin D on Glomerular Basement Membrane (GBM) constituents during diabetic	Dr.Paramahans Salimath Director (Research) JSSMC, Mysuru	SERB	EMR/2017/001754 08.05.2018 EMR/2017/001754 Dt: 08.05.2018	5,130,000.00	3 Yrs
4	Loop-mediated Isothermal Amplification (IAMP) directed diagnosis of bacterial born neonatal sepsis and characterization of pathogenic bacteria utilizing multiplexed real time quantitative polymerase chain Reaction	Mr.Anshu Kumar Yadav Sr.Research Fellow Dept. of Biochemistry JSS MC, Mysuru	ICMR	RBMH/FW/2018/9 Dt: 18.06.2018	869,348.00	03 Yrs
5	FIST PROGRAMME - 2018 (TPN-20003)	Dr.Subbarao M V S S T Professor Dept. of Biochemistry JSS MC, Mysuru	DST	NO. SR/FIST/LS-I/2018/178(C) Dt: 03.01.2020	56,40,000.00 50:50 share DST & JSS AHER	5 Yrs
6	"The role of RNA-induced silencing complex in the development and progression of Nonalcoholic	Dr.Prasanna Kumar S Asso. Professor Dept of Biochemistry JSS MC, Mysuru	DBT	BT/RLF/Re-entry/19/2017 Dt: 17.01.2019	11,360,000.00	5 Yrs
7	Molecular mechanisms underlying high fat diet (HFD)-induced hepatocellular carcinoma (HCC): specific role of TNF- α	Dr.Divya Prasanna Kumar Asst. professor Dept. of Biochemistry JSSMC, Mysuru	DBT Ramalingaswamy	BT/RLF/Re-entry/58/2017 Dt: 15.02.2019	11,360,000.00	5 Yrs
8	Evaluation of Fluorescein diacetate (FDA) sputum-smear staining in comparison with culture for assessing microbiological conversion during follow-up of pulmonary DR-TB patients in Karnataka, India	Dr.Tejasree.A. Professor Dept. of Microbiology JSSMC, Mysuru	RNTCP	No:LWSTC/RNTCP/PP M/01/2019-20 dated:02.04.2019	126,000.00	2 Years
9	"Targeting key signaling cascades using D-Formin (A combination of Vitamin-D and Metformin) for inhibiting carcinomas of breast in vitro and in vivo".	Dr.MVSST Subbarao Professor Dept. of Biochemistry JSS MC Mysuru	DBT	BT/PR29598/PFN/20/1392/2018 Dt: 05.03.2019	4,969,600.00	3 Yrs
10	Oxidized phospholipids and	Ms.Kavya Sugur	ICMR	5/3/8/23/ITR-F/2019-	923,343.00	3 Yrs

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	Lipoprotein(a) as a predictor of severity of coronary artery disease in diabetic patients	SRF Dept. of Biochemistry JSS MC, Mysuru		ITR DATED: 26.03.2019		
11	Development of Electro Thrombogam(ETG) a Point of Care Electronic Device to Assess the Blood Coagulation Status	Dr.Srinivasa Murthy Professor Dept. of Peadiatrics JSS MC Mysuru	DST	DST/BDTD/EAG/2018 Dt:02.01.2019	2,700,000.00	2 Yrs
12	Spatio-Temporal Analysis of Tuberculosis in Mysuru, District: An Approach to detect areas of Zero incidence	Dr.Madhu B Asso. Professor Dept. of Community Medicine JSS MC, Mysuru	RNTCP	LWSTC/RNTCP/PPM/2 3/2018-19 Dt: 11.02.2019	185,000.00	2 Yrs
13	Chronic Respiratory disease Innovation and Solution Program (CRISP)	Dr.MVSST Subba Rao Professor Dept. of Biochemistry JSS MC, Mysuru	CSIR IICB	Memorandum of Understanding (MOU) 31.03.2019	732,792.00	2 Yrs
14	Elucidation of Proteasome Dysfunction and Endoplasmic Reticulum Stress In The Pathogenesis Of Lung Injury Exposed To Urban Air Pollutants	Mr.Sumit Kuamr Dey Ph.D Research Scholar Dept. of Biochemistry JSS MC, Mysuru	ICMR	Through mail Dt:02.05.2019 3/1/2/4/Env/2019- NCD-I Dt:22.08.2019	253,600.00	2 Yrs
15	“Comparative Assessment of Phenolic Compounds, Extracted From Millets, For Inhibiting the Growth of Colorectal and Breast Carcinomas”	Mr.Mahadevaswamy K G Ph.D Research Scholar Dept. of Biochemistry JSS MC, Mysuru	ICMR	Through mail Dt:07.05.2019 Order No. 3/2/2/105/2019/NCD- III	854,874.00	3 Yrs
16	Upregulation of hydroxy-prostaglandin dehydrogenasa (HPGD) using hydroxy –	Dr.Suma M N Vice - Principal &	ICMR	54/06/2019- HUM/BMS	2,293,316.00	3 Yrs
17	“Improving the capacity of Health system and community for sickle cell diseases screening and management an intervention study”	Dr. Deepa Bhat Asso. Professor Dept. of Anatomy JSS MC, Mysuru	ICMR	NTF/SCD/2019/HSR/ 04 Dt:11.07.2019	5,342,986.00	2 Yrs 9 Months
18	National Registry for rare and other inherited disorders (NRROID)	Dr.Akila Prashant Professor	ICMR	5/7/1571/2016-CH Dt:22.10.2019	244,250.00	05 Yrs
19	A Phase 2/3, observer-blind, Randomized, controlled study to	Dr. Praveen Kulkarni Asso. Professor	ICMR (NIRT)	No.DIR/NIRT/Covid- 19/JSS/2020-21/1481	6,016,387.00	08 months

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	determine the safety and immunogenicity of COVID-19 vaccine	Dept of Comm. Medicine JSS Medical College, Mysuru		Dated:04.09.2020		
20	Analysis of Resident Memory T(TRM) cells and IL15 levels in vitiliginous patches as predictors of response to treatment and prognosis	Dr.Vinutha Rangappa Asst Professor Dept of Dermatology	IADVL	Through mail 14.09.2020	442,480.00	02 Yrs
21	“Study to evaluate the effectiveness of BCG vaccine in reducing Morbidity and Mortality in Elderly individuals in COVID-19 Hospitalized Patients”	Dr. Pratibha Pereira Professor & HOD Dept of Geriatrics	ICMR	DIR/NIRT/BCG/JSS/2 020-21 Dated:22.09.2020	6,922,270.00	09 months
22	“Apoptosis Antagonizing Transcription Factor (AATF): A Novel Oncogenic Driver in Hepatocellular Carcinoma”.	Dr.Divya Prasanna Kumar Assistant Professor Dept of Biochemistry JSS Medical College, Mysuru	ICMR	5/3/8/55/2020-ITR Dated:17.11.2020	987,770.00	03 Yrs
23	Co-targeting key oncogenic signalling cascades regulating breast cancer development using vitamin D and anti diabetic agents	Ms.Chaithanya G B SRF Dept of biochemistry	ICMR	3/2/2/32/2020-NCD- III dated:07.12.2020	1,521,600.00	3 Yrs
24	Oral bacterial microbiome analysis by PCR and salivary Interleukin 17 estimation in Oral Lichen Planus (OLP) of the IADVL	Dr Ashwini Pk Associate Professor Dept of Dermatology	IADVL	Through mail 18.01.2021	450,000.00	2 Yrs
25	Effect of vitamin D on angiogenesis and oxidative stress induced changes in the glomerular basement membrane during diabetic nephropathy	Ms.Lavanya B R SRF Dept of Biochemistry JSS Medical College Mysuru	ICMR	No.3/1/3(12)/Endo- fellowship/21-NCD-III Dated:23.02.2021	1,521,600.00	3 Yrs
26	The importance of lung microbiome in individuals with biomass-caused chronic obstructive pulmonary disease	Dr.P A Mahesh, Professor, Dept of Respiratory Medicine, JSS Medical College, Mysuru	Swedish Karolinska Institutet	No.2020-04106, Dated: 21.10.2020.	5,046,000.00	3 Yrs

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27	“Post transcriptional modification of Sp 1 transcription factor in Hepatocellular carcinoma (liver cancer) by Withaferin A”	Ms.Varsha D Shiragannavar Ph.D Scholar Dept. of Biochemistry, JSS MC, Mysuru	KSTA	KSTA/K/30/2020-21 Date:31.03.2021	28,000.00	
28	Quercetin acts as a novel regulator of LXR-alpha/VDR in Hepatocellular carcinoma”.	Ms.Nirmala G S Ph.D Scholar Dept. of Biochemistry, JSS MC, Mysuru	KSTA	KSTA/K/30/2020-21 Date:31.03.2021	28,000.00	
29	“Capacity building of Infrastructure and human resource for conducting COVID Vaccine clinical trials and immunogenicity studies as per GCP guidelines”.	Dr.H.Basavana Gowdappa Principal & Professor of General Medicine JSS Medical College, Mysuru	Biotechnology Industry Research Assistance Council (BIRAC)	BT/CS0023/CS/03/20 , Dated: 12.03.2021.	17,692,000.00	1 Yr
30	“Effectiveness of Covaxin and Covishield vaccines against severe COVID-19 in India, 2021: Multi-centric hospital-based case control study”.	Dr. Anil Bilimale Asst. Professor Dept of Community Medicine JSSMC, Mysuru	ICMR	MOU agreement date:25.05.2021	1,095,000.00	03 Months
31	A Phase 2/3, Observer-Blind, Randomized, Controlled Study To Determine The Safety And Immunogenicity Of Covovax [Sars-Cov-2 Recombinant Spike Protein Nanoparticle Vaccine (Sars-Cov-2 Rs) With Matrix-M1™ Adjuvant] In Indian Adults	Dr. Praveen Kulkarni Asso. Professor Dept of Comm. Medicine JSSMC, Mysuru	ICMR	Agreement between ICMR and JSS Medical College. Date:28.04.2021	3,960,432.00	10 months