

JSS AHER
JSS MEDICAL COLLEGE, MYSURU
COMPLETED RESEARCH PROJECTS - EXTERNAL FUNDED - National

Sl. No	Title of the Project	Name of the Principal Investigator/Mentor & Department	Sanctioned by	Project Sanctioned letter No. & Date	Grants Sanctioned	Duration of the Project
2018						
1	Novel in house multiplex PCR guided management of neonatal sepsis in a tertiary care hospital in South India	Dr Akila Prashant Dpet. Of Biochesistry	ICMR	No. 5/7/7081/11-RHN Date: 18.02.2015	1,983,917.00	02 Yrs
2	Vitamin D deficiency in patients with Pulmonary Tuberculosis alone and in association with Diabetes Mellitus	Dr. Jayaraj B S Profess & Head Pulmonary Medicine JSSMC	District Health & Family Welfare Society – RNTCP- MYSURU	TB Center Bangalore Email dated: 28.03.2016	198,400.00	02 Yrs
3	A Study of melanocyte stem cell and hair follicle stem cell markers in premature graying of hair	Dr. Ranugha P.S.S. Assistant Professor	IADVL - L Oreal Indian Hair & Skin Research	IADVL -L Oreal Indian Hair & Skin Research Grnat 2016 (Net information) E-mail - 02.07.2016	660,000.00	1 Yr 09 months
4	Evaluation of real time PCR in prognosis & diagnosis of Leptospirosis	Dr.M.N.Sumana - Guide Professor Linda Rose Jose - SRF	DST SERB	No.DST/INSPIRE Fellowship/2013/593 Dt: 29.11.2013	1,433,600.00	4 Years
5	Estimation of salivary and serum IgG and IgA anti desmoglein antibody levels and to identify HLA driven anti desmoglein reactivities in pemphigus vulgaris patients and their first degree relatives	Dr.VINUTHA RANGAPPA Sr. Resident Dept of Dermatology JSSMC, Mysuru	IADVL	Through E-mail 11.08.2017	286,785.00	1 Yr
6	Global Asthma Network – India study on the prevalence of allergichrhinitis and asthma in children	Dr. P A Mahesh Professor & HEAD Dept. of Pulmonary Medicine	GAN	Project sanctioned through Email Dated: 15.07.2017	730,840.00	1 Yr 6 months

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2019						
1	Discovering Phytochemical Proteasome activators by targeting Nrf2 signaling for treatment of Parkinson's disease	Dr. Lalith Kumar Venkatareddy Biochemistry Fellowship	SERB	SERB_Administrator@serbo nline Dt: 28.03.2017	1,920,000.00	2 Years
2	Targeting Nrf2 to resolve inflammation and enhance wound healing in diabetes	Miss.Rachana M A Sr. Research fellow Dept. of Biochemistry	ICMR	Order No. 3/1/2 (5)/Endo – Online /2018-NCD-II DATED: 10.09.2018	211,600.00	3 Yrs
3	Geospatial distribution of intestinal parasitic infections among school children	Dr. Sunil Kumar D Asso. Professor Dept of Community Medicine	DBT	NO. BT/IN/Indo- US/Foldscope/39/2015 Dt: 20.03.2018	800000.00	1 Yr
4	Fund for Improvement of S & T infrastructure in university and Higher Education Institution (FIST) programme - 2012	Dept. of Biochemistry	DST FIST	SR/FST/LSI-539/2012 dated 15-11-2012	8,800,000.00	5 Yrs.
5	“A study of Spoligotyping patterns of MTB isolates and their drug resistance analysis among PTB patients in JSS, a tertiary care Hospital, Mysuru, South India”	Dr. Tejashree, A Professor, Dept of Microbiology, JSS Medical College, Mysuru	RNTCP	LWSTC/RNTCP/ACC/92/ 18-19 dated:05.12.2018	199,000.00	1 Year
6	Comparative study of recipient site preparation with fractional carbon dioxide laser vs. Dermabrasion in vitiligo surgery	Dr. Chethana S.G. Sr. Resident JSSMC & Hospital Mysuru	IADVL	sanctioning order received through E-mail Dt: 08.09.2017 (still we dnt get order copy)	275,950.00	2 Yrs 3 months
2020						
1	Mitochondrial DNA copy number as a novel biomarker for cardiac complications in beta - Thalassemia major	Dr.Pallavi P Associate Professor Dept. of Pathology JSS MC, Mysuru	ICMR, DHR	DHR/HRD/SUG-13/2015- 16 Dt: 02.04.2016	2,355,050.00	3 Yrs 5 months
2	Safety and efficacy Evaluation of Lipid based Nano-Dailly disulfide (Nano-DADS) formulation for the	Dr.Vanita Shrikant Bhat Research Associate Dept. of Biochemistry	ICMR	5/3/8/49/ITR-F/2019-ITR DATED: 26.03.2019	674,240.00	3 Yrs

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	treatment of breast cancers	JSS MC, Mysuru				
3	Assessing the role of Nrf2 in breast cancers	Mr.Venugopal Reddy Bovilla SRF Dept. of Biochemistry JSS MC, Mysuru	ICMR	Order.No.3/2/2/5/2018/Online Onco Fship/NCD-III Dated: 23.03.2018	915,623.00	3 Yrs
4	Evaluation of serum and tissue interleukin 17(IL 17) levels in patients with Acne Vulgaris	Dr. Ashwini P. K Asst. Professor Dept. of Dermatology	IADVL Oreal Grant	sanctioning order received through E-mail Dt:05.07.2017	3,71,000.00	3 Yrs 2 months
5	Impact of Ambient Air pollution on Lung Growth Immunity And Macrophage Plasticity	Dr. Rajesh Kumar Thimmulappa, Associate Professor,	DBT	No. BT/RLF/Re-entry/37/2013 Dt: 28.08.2015	8,800,000.00	5 Yrs 5 months
6	In vitro In vivo evaluation of the anticancer effect of vitamin D3 alone and in combination with antidiabetic agent metformin on breast cancer cells	Mr.Prashanth Kumar M V Sr.Research fellow Dept. of Biochemistry JSS MC, Mysuru	ICMR	No.3/2/3/51/2018/Online Onco Fship/NCD-III Dt: 20.08.2018	923,125.00	1 Yr 11 months
2021						
1	Isolation of colorectal Cancer stem cells based on biomarker expression & test efficacy of piper Nigrum as an anticancer agent for further use in translational studies	Dr.Akila Prashant Asso.Professor Professor Dept. of Biochemistry JSS MC, Mysuru	VGST	VGST/P-7/CESEM/2011-12/1141,dated:22-12-2011	6,000,000.00	03 Yrs
2	“Assessing functional role of Nrf2 signaling in vitamin D deficiency induced cognitive dysfunction in Type 2 Diabetes Mellitus”	Dr. Rajalakshmi R Professor & Head Dept. of Physiology JSS MC, Mysuru	DST	SR/CSRI/44/2016 Dt: 24.11.2016	5,147,600.00	3 Yrs
3	“Development of Moringa- Isothiocyanate as Nutraceutical activator of Nrf2 signaling for mitigation of dyslipidemia”	Dr.Rajesh Kumar Thimmulappa Associate Professor Dept of Biochemistry JSS MC, Mysuru	DST	DST/INT/South Africa/P-13/2016 Dt: 18.11.2016	3,281,350.00	3 yrs
4	Discovering Phytochemicals for promoting Longevity and Healthy Ageing using drosophila model	Mrs.Veena R SRF Dept. of Biochemistry JSS MC, Mysuru	ICMR	No.45/08/2018-PHA/BMS/OL, Date: 10.04.2018	910,400.00	03 Yrs

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5	Influencers in adopting terminal methods (both tubectomy and vasectomy) of contraception among target couples of urban and rural areas	Ms. Nivedya Krishnan C MBBS Student	ICMR	Jun-20	20,000.00	06 months
6	Relationship between frailty glycemic control and Nutritional status among eldrelly with Diabetes Mellitus residing in an Urban Community of Mysuru.	Ms.PoorvikaK.Babu MBBS Student	ICMR	Jun-20	20,000.00	06 months
7	Assessment of indoor air quality and its implication on health in an urban slum of Mysuru City, Karnataka.	Mr.SamyakTushar Shah MBBS Student	ICMR	Jun-20	20,000.00	06 months
8	A study on risk factors and adverse drug reactions among drug sensitive and drug resistant tuberculosis patients.	Ms.ShantviKumari MBBS Student	ICMR	Jun-20	20,000.00	06 months
9	A comparative study on cognition and its association with perceived stress, body mass index and lung functions in medical students with and without physical activity	Mr. Ankireddy Ritish Reddy MBBS Student	ICMR	Jun-20	20,000.00	06 months
10	Assessment of fungiform papillae among geriatrics using digital camera	Ms A AnushkaRao MBBS Student	ICMR	Jun-20	20,000.00	06 months
11	Prevalence of Carbapenem resistance among enterobacteriaceae and the number of past hospital admissions, age and diabetic status	Mr. RohanKarkara MBBS Student	ICMR	Jun-20	20,000.00	06 months

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12	Effectiveness and challenges perceived by mother ancommunity health worker during the home based new born care visits	Ms. Riya Jain MBBS Student	ICMR	Jun-20	20,000.00	06 months
13	Evaluation of visual communication board among communication compromised patients in intensive care units of a tertiary care hospital	Ms. Rudrani Mukharjee MBBS Student	ICMR	Jun-20	20,000.00	06 months
14	Drug utilization and prescribing pattern of antipsychotic and anti dementia drugs in geriatric patients	Ms.ReetuArora MBBS Student	ICMR	Jun-20	20,000.00	06 months
15	A cross sectional study evaluating relationship between nicotine use, body mass index and impaired sleep with cognitive functions in eldely population in a tertiary care facility	Mr.Mahnmohan YashMahajan MBBS Student	ICMR	Jun-20	20,000.00	06 months
16	A study to assess knowledge, attitude and practice of insulin therapy in patients with Diabetes Mellitus	Mr. Mehak Gera MBBS Student	ICMR	Jun-20	20,000.00	06 months
17	Effect of Raja Yoga on quality of sleep and pain symptoms in inpatients	Mr.Krishna MBBS Student	ICMR	Jun-20	20,000.00	06 months
18	Effects of obesity indices on severity of menopausal symptoms in urban and rural women	Mr.Pranav B Kashyap MBBS Student	ICMR	Jun-20	20,000.00	06 months
19	A multimodal interventional strategy to increase the hand hygiene compliance in intensive care unit of a tertiary care hospital in South India	Mr.Shashwath G MBBS Student	ICMR	Jun-20	20,000.00	06 months

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20	Assessment of Calcium and Vitamin D levels in thalassemic children in a tertiary care unit	Ms.ShikhaAgarwal MBBS Student	ICMR	Jun-20	20,000.00	06 months
21	Cytological diagnostics and prognostics methods using immunocyto chemistry (estrogen receptor marker) for surgical management of breast cancer	Mr. Rohith R Nair MBBS Student	ICMR	Jun-20	20,000.00	06 months

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Sl. No	Title of the Project	Name of the Principal Investigator/Mentor & Department	Sanctioned by	Project Sanctioned letter No. & Date	Grants Sanctioned	Duration of the Project
2019						
1	Meera Bhargava Project	Ms.Meera Bhargava	Biochemistry	15.06.2016	150,000.00	6 weeks
2	Survey of IDD (Iodoine Deficiency Disorders in Mysuru	Dr. Anil Bilimale Asst. Professor Dept of Community Medicine JSSMC	National Health Mission	NPG/IDD/26/ 2018-19 Dated: 05.01.2019	100,000.00	6 Months
3	Gap assessment of Health and Wellness Clinic in Aspirational district of Karnataka(Yadgir)	Dr. Anil Bilimale Asst. Professor Dept of Community Medicine JSSMC	UNICEF	SSFA/2019/06 Dt: 09.04.2019	774,000.00	5 months 14 days
2020						
1	Sleep disorders in diabetes mellitus	Dr.H Basavana Gowdappa Principal & Professor of Medicine JSS MC, Mysuru	Bhramara Trust	Letter dated : 24.07.2018	50,000.00	2 Yrs 2 months

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COMPLETED RESEARCH PROJECTS - JSS AHER GRANTS

Sl. No	Title of the Project	Name of the Principal Investigator/Mentor & Department	Sanctioned by	Project Sanctioned letter No. & Date	Grants Sanctioned	Duration of the Project
2018						
1	Expression of NRF2 in lung tumor biopsies using immunohistochemistry	Dr. Siddamma Amoghmath PG Student Pharmacology	JSS AHER	REG/DIR/(R)/URG/54/2011-12/7278/9 DATE: 05.11.2015	42750.00	3 Yrs.
2	Comparison of time taken for feeding stable preterm babies between regular nurse feeding and feeding with feed rail	Dr. Srinivasamurthy D Professor, Dept of Pediatrics	JSS AHER	REG/DIR/(R)/URG/54/2011-12/10886/3 DATE: 23.02.2017	95000.00	1 Yr
3	Pediatric Adjustable Gastrostomy tube	Dr. Anilkumar M G Professor & Head Pediatric Surgery	JSS AHER	REG/DIR/(R)/URG/54/2011-12/10886/1 DATE: 23.02.2017	75000.00	1 Yr
4	Non invasive characterization of the thyroid nodules by gray scale ultrasonography, color Doppler, ultrasound elastography and fine needle aspiration as a way for screening, early detection and proper management of malignant lesions of thyroid.	Dr. Rajesh R Asso. Professor Radio-Diagnosis	JSS AHER	REG/DIR/(R)/URG/54/2011-12/10886/4 DATE: 23.02.2017	50000.00	1 Yr
5	Pharmacogenomic approach for measuring NeF2 inhibitory potential of Benzoic and Cinnamic acid Derivatives Using Cell Lines Representinting Carcinomas of Breast	Dr. Pushpa H V Asso. Professor Pharmacology	JSS AHER	REG/DIR/(R)/URG/54/2011-12/10886/2 DATE: 23.02.2017	50000.00	1 Yr

6	Establishing the SAR of benzoic acid derivatives in inhibiting NRF2 activity	Dr. Sabreen Bashir PG student Dept of Pharmacology	JSS AHER	REG/DIR/(R)/URG/54/2011-12/10886/5 DATE: 23.02.2017	25000.00	1 Yr
7	Targeting NRF2 signaling cascade in lung cancer cells using Cinnamic acid derivatives	Dr. Poornima R PG Student Pharmacology	JSS AHER	REG/DIR/(R)/URG/54/2011-12/10886/6 DATE: 23.02.2017	25000.00	1 Yr
8	Pattern of Distribution of Congenital Anomalies in stillborn in Mysore an autopsy based Prospective study	Dr. Vinutha S P Asst. Professor Anatomy	JSS AHER	REG/DIR/(R)/URG/54/2011-12/10886 DATE: 23.02.2017	50000.00	1 Yr
9	"In Vitro Anticancer activity of Piper Nigrum extract against colon cancer cell lines."	Mr. Anshu Kumar Yadav PG Student Biochemistry	JSS AHER	REG/DIR/(R)/URG/54/2011-12/1884 Dated: 23.02.2017	25000.00	1 Yr
10	Phenotypic and molecular characterization of carbapenem Resistant Klebsiella pneumoniae	Ms. Archana Hegde Research Scholar Dept of Microbiology	JSS AHER	REG/DIR/(R)/URG/54/2011-12 - 4439/A Dated: 11.08.2017	25000.00	1 Yr
11	Screening of Congenital Heart Disease in Term Newborns	Dr. Rajini H S Asst. Prof Dept of Pediatrics	JSS AHER	REG/DIR/(R)/URG/54/2011-12 - 4439 - E Dated: 11.08.2017	50000.00	1 Yr
12	Invitro Therapeutic Efficacy of Vitamin D3 for treating Carcinomas of Cervix Colon and rectum	Dr. Shruthi N PG Student Biochemistry	JSS AHER	REG/DIR/(R)/URG/54/2011-12/7278/4 DATE: 05.11.2015	30000.00	3 Yrs.
13	Expression of HIF- 1 alpha in lung tumor biopsies using immunohistochemistry	Dr. Shruthi S L PG Student Pharmacology	JSS AHER	REG/DIR/(R)/URG/54/2011-12/7278/7 DATE: 05.11.2015	47600.00	3 Yrs.
14	A study of Ki 67 Immunohistochemical expression in malignant ovarian surface epithelial tumors	Dr. Shruthi M K PG Student Pathology	JSS AHER	REG/DIR/(R)/URG/54/2011-12/7278/2 DATE: 05.11.2015	35000.00	3 Yrs.

15	An inter-comparison of allergens in hand feet and hand feet eczema by patch testing	Dr. Sahana S R PG student	JSS AHER	REG/DIR/(R)/URG/54/2011-12/7278/3 DATE: 05.11.2015	50000.00	3 Yrs.
16	To evaluate the effect of ethanolic extract of Bitter Melon Whole Fruit on glycogen synthesis and lipogenesis using primary preadipocytes	Dr. Swetha N K Lecturer Biochemistry	JSS AHER	REG/DIR/(R)/URG/54/2011-12/7278/1 DATE: 05.11.2015	50000.00	3 Yrs.
17	Pattern of distribution of Congenital Anomalies in still Born in Mysore : An Autopsy based prospective study	Dr. Vidya C S Associate Professor Anatomy	JSS AHER	REG/DIR/(R)/URG/54/2011-12/7277 DATE: 05.11.2015	50000.00	2 Yrs.

2019

1	Evaluation of specificity and sensitivity in detection of arterial variants in the liver segments by cast method vs contrast CT imaging in patients with abdominal trauma	Dr. Vidya C S Asso. Prof. Dept of Anatomy	JSS AHER	REG/DIR/(R)/URG/54/2011-12 - 4439 - J Dated: 11.08.2017	50,000.00	2 Yrs
12	Evaluation of macrophage inhibitory Cytokine - 1 as a potent marker in breast carcinoma for an early diagnosis and targeted therapy	Dr. T S Rekha Asso. Professor Dept of Pathology	JSS AHER	REG/DIR/(R)/URG/54/2011-12 - 4439 - I Dated: 11.08.2017	40,000.00	2 Yrs
13	Comparison of enzyme immunoassay with immunofluorescence assay for the diagnosis of mycoplasma pneumoniae	Ms. Pooja P B Research Scholar Dept of Microbiology	JSS AHER	REG/DIR/(R)/URG/54/2011-12 - 4439/B Dated: 11.08.2017	25,000.00	2 Yrs
14	Antifungal susceptibility testing of dermatophytes by disc diffusion and E-Test A Comparative study	Mr. Satya Sai B Research Scholar Dept of Microbiology	JSS AHER	REG/DIR/(R)/URG/54/2011-12 - 4439/H Dated: 11.08.2017	25,000.00	2 Yrs

15	Therapeutic Efficacy of Vitamin D3 alone and in combination with Metformin on Carcinoma of Breast	Mr. Prashanth Kumar M V PhD Student Biochemistry	JSS AHER	REG/DIR/(R)/URG/54/2011-12/10886/7 DATE: 23.02.2017	25,000.00	3 Yrs
2020						
1	Multi User Universal Medical Ampule Breaker with integrated sharps bin -(MU-MAB)	Dr. Srinivasa Murthy, Professor, Dept. of Padiatrics, JSS Medical College, Mysuru	JSS AHER	REG/DIR/(R)/URG/54/2011-12/7983 Dt: 28.10.2019	27,000.00	04 months
2	Protective mutations in IREB2, CHRNA & FMRI genes that prevent occurrence of chronic obstructive pulmonary disease among smokers	Dr. Vivek Anand Ojha PG student Dept of Biochemistry	JSS AHER	REG/DIR/(R)/URG/54/2011-12 /9803 Dated: 16.01.2019	25,000.00	1 Yr
3	Comparative evaluation of technology and handouts based educational intervention in the management of type-2-Diabetes in an urban area, Mysuru	Dr.Shwetha G PG Student	JSS AHER	REG/DIR/(R)/URG/54/2011-12/6915 25.09.2019	50,000.00	6 months
4	Medical Technology Based Smartphone Application in the Management of Diabetes Mellitus	Dr. Sunil Kumar D Asso. Professor Community Medicine	JSS AHER	REG/DIR/(R)/URG/54/2011-12/10312, Dated: 28.12.2019	20,000.00	2 Yrs.
5	Screening of anticancer activity of Ayurvedic formulations on breast cancer cell lines	Dr.Pushpa.V.H, Associate Professor, Dept. of Pharmacology	JSS AHER	REG/DIR/(R)/URG/54/2011-12/10312, Dated: 28.12.2019	40,000.00	1 Yr.
2021						
1	Close Range Immersive Photography(CRImp)	Dr.Sushma Krishnegowda Assistant professor Department of Pediatrics	JSS AHER	REG/DIR/(R)/URG/54/2011-12/6915 25.09.2019	50,000.00	2 Yrs

2	Isolation in Isolation (I in I): A doctor patient interface isolation cubicle for the prevention of spread of Corona infection in screening isolation ward	Dr Thippeswamy T, Associate Professor, Dept. of General Medicine, ISS Medical College, Mysuru	JSS AHER	REG/DIR/(R)/URG/54/20 11-12/5293, Dated: 19.10.2020	52,500.00	03 months
3	Comparative study of noncultured plucked hair follicle outer root sheath cell suspension versus noncultured epidermal cell suspension in the treatment of stable vitiligo	Dr. Srishti C Betsurmth, Post Graduate Student, Dept of Dermatology	JSS AHER	REG/DIR/(R)/URG/54/20 11-12/10312, Dated: 28.12.2019	23,200.00	18 Months
4	Comparative study of correlation of Vitamin D with insulin resistance and lipid parameters among diabetics and non diabetics	Mr.Sai Dheeraj Mulpuru, Under Graduate student, JSS Medical College, Mysuru	JSS AHER	REG/DIR/(R)/URG/54/20 11-12/7983 Dt: 28.10.2019	25,000.00	02 Yrs
5	To study correlation of serum cytokines with vitamin D Levels among diabetics with/without nephropathy	Dr.Likhitha Nadendla, Post Graduate student, Dept. of General Medicine, JSS Medical College, Mysuru	JSS AHER	REG/DIR/(R)/URG/54/20 11-12/7983 Dt: 28.10.2019	25,000.00	2 Yrs
6	Awareness among 1 MBBS Students on practice of hygiene and risk of infections including Covid-19 in dissection theatre	Ms. Nimisha Sinha, MBBS Student, JSS Medical College, Mysuru	JSS AHER	REG/DIR/(R)/URG/54/20 11-12/5293, Dated: 19.10.2020	10,000.00	3 Yrs