



YENEPOYA

(DEEMED TO BE UNIVERSITY)

Recognized under Sec 3(A) of the UGC Act 1956

Accredited by NAAC with 'A' Grade

SEED GRANT PROJECTS

Projects Under Consideration

Sl. No.	Title of the Projects	Name of the PI
1.	Smart Defecation Assistance Device (DAD) for disabled and elderly	Dr. Akhter Husain
2.	Evaluation of biocompatibility of a novel antimicrobial monomer loaded Polymethyl methacrylate (PMMA) heat cure denture base resin: An in vivo study	Ms. Sowmya Rao
3.	Effect of combination of Rutin and Rosuvastatin in the treatment of Diabetic Nephropathy	Dr. Rokeya Sultana
4.	The protective effect of combination of Thymoquinone and Hesperidin against 5 – Fluorouracil induced gastro – intestinal toxicity	Ms. Hredhya P
5.	Evaluation of Anti-Alzheimer activity of <i>Aporosa lindleyana</i> bark extract in experimental animals.	Dr. Tahreen Taj
6.	Investigating the putative association of host genetic tapestry and the severity of COVID-19 manifestation	Dr. Hrushikesh Udupa
7.	In-vitro cultured meat from crustaceans: Shrimp and Prawns	Dr. Sudheer Shenoy
8.	Deciphering the mechanistic in vitro and in vivo phenomenon for targeting cancer stem cells using Iridium and Ruthenium based novel drugs aiming advanced cancer therapeutics	Dr. Bipasha Bose
9.	Comparison of characteristics of periodontal ligament Stem cells in diabetic (type- II) and non diabetic patients with periodontitis	Dr. Maji Jose
10.	Evaluation of the efficacy of Dooshivishari agadha, as a single drug and also in combination with Punarnavasava, Shirishasava and Kapitta yoga in CKD induced Wistar rats.	Dr. Reshma S
11.	A Physico-chemical and experimental study to establish efficacy of ArbudhaharaRasa- a polyherbo –metallic preparation for its anticancer activity	Dr. Sridhar Gokhale
12.	Formulation and optimization of a patentable hair spray	Dr. Vidhya Prabha R
13.	Formulation and optimization of a patentable organic hair cleanser and conditioner	Dr. Veena Viswanath
14.	To evaluate the efficacy of Kushmanda avaleha in slow learners as a memory enhancer	Dr. Divyarani

15.	Evaluation of expression profile of genes in oral squamous carcinoma by genome wide association studies for the development of molecular signature for tumor staging	Dr. Divia Paul
16.	Evaluation of antibacterial activity of Rasanjana and green synthesized nanoparticles against bacteria causing periodontitis	Dr. Akshatha Bhat
17.	Comparative platelet quantification and growth factor analysis of autologous A-PRF and iPRF from type II diabetic and non –diabetic subjects- an in vitro study	Dr. Rajesh K.S.
18.	Efficient in vitro differentiation of human dental pulp stem cells into odontogenic lineage using a combination of growth factors and platelet rich plasma (PRP) and platelet rich fibrin (PRF) and associated molecular mechanisms	Dr. Sharan S Sargod
19.	To evaluate the antibacterial property of Guggulsterones against six commonly seen nosocomial bacteria.	Dr. Ajay Bhat U

Research Projects: Ongoing/Completed

Sl. No.	Title of the Project	Investigators	From	To
1.	In vitro evaluation of cytotoxic potential of phytochemicals from <i>Clitoria ternatea</i> against pancreatic cancer	Dr. Bhagya N	2021	2023
2.	Application of <i>Calendula officinalis</i> in promoting granulation tissue growth in wound healing	Dr. A. Vincer George, Dr. Sushrutha K Dr. Melita Alva Dr. Rekha P.D.	2021	2023
3.	EGFR dysregulation in oral squamous cell carcinoma	Dr. M. Vijaya Kumar Dr. Rohan Mathew Dr. Rohan Shetty Dr. Siddarth Biswas Dr. Madan K Dr. Yashodhar Bhandary	2021	2023
4.	Analysis of metabolites of raw and commercial areca extracts and their effect on fibroblastic activity	Dr. Sonia Adyanthaya Dr. Riaz Abdulla Dr. Keshava Prasad	2021	2023
5.	Determination of the mechanism of action of a novel antimicrobial peptide with an objective to decipher new epitope for drug designing.	Dr. Sebanti Gupta	2020	2023
6.	Understanding the cell signalling in an <i>in vitro</i> penumbral model of ischemic stroke.	Dr. Arnab Datta	2020	2023
7.	Kutumba Aarogya Sarvekshana Hagu Rakshana Yojane to establish IT platform and develop health and demographic surveillance system at existing and New Surveillance sites for continuity of care.	Dr. Abhay S Nirgude Dr. Poonam R Naik Dr. Akshaya KM Dr. Pracheth R	2020	2022
8.	Potential biomarkers in cervical cancer for early diagnosis.	Dr. R.C. Koumar Dr. Jalaluddin Akbar	2020	2022
9.	Unravelling the population history and assessing the genomic profile of Koraga an aboriginal tribe from Dakshina Kannada and Udupi district, Karnataka.	Dr. Ranajit Das	2020	2022

10.	Participatory community health development of Koraga Tribes in Mangalore Taluk of Karnataka, South India.	Dr. Mohammed Guthigar	2020	2022
11.	A study to assess the occurrence of nutritional anaemia and effect of multimodel nurse lead interventions on knowledge, attitude, self reported practice and Haemoglobin levels of anaemic women of reproductive age in selected community areas of Mangaluru.	Mr. Anand S. Dr. Leena KC. Mrs. Shycil Mathew Mrs. Navya	2020	2022
12.	Assessment of physical and bacterial parameters of the well and well water located at selected rural households of Mangalore.	Mrs. Nithyashree B.V. Dr. Leena K.C.	2020	2021
13.	Knee osteoarthritis and its association with spine, hip, Knee and ankle.	Ms. Veena Pais Dr. Devadasa Acharya Dr. Imthiaz Ahammed	2020	2021
14.	Detection of early potential biomarkers for different kidney stone diseases by proteomic and metabolomic study.	Dr. Altaf Khan, Dr. TS Keshava Prasad, Dr. Shobha D.	2019	2022
15.	Comparison of the efficacy of the infra-zygomatic crest/Buccal Shelf screws for the retraction of the anterior teeth to the conventional method of retraction.	Dr. Sandeep Shetty	2019	2021
16.	Evaluation of Cardio-Protective effect of <i>Crateva magna</i> against Isoproterenol induced myocardial injury.	Dr. Manodeep C. Dr. Mohammed Gulzar A.	2019	2021
17.	Targeted drug delivery of bevacizumab nanoparticle for ovarian cancer.	Dr. Mobeen Shaik Dr. Mohammed Gulzar A.	2019	2021
18.	A Comparative study of hydrogels containing Anastrozole alone & with the combination of flax seed extract for breast cancer.	Ms. Sanjana A, Dr. Mohammed Gulzar A.	2019	2021
19.	Combination therapy strategy using antibiotics and AHL analogues for <i>Pseudomonas aeruginosa</i> infection in <i>Caenorhabditis elegans</i> model.	Dr. Rajesh P Shastry	2019	2021

20.	Inflammatory and fibrinolytic changes in patients with Sepsis and ARDS.	Dr. Prabha Adhikari MR Dr. Rashmi Dr. Shruthi S Dr. Yashodhar Bhandary Dr. Ashwini Prabhu	2019	2021
21.	Delineating the signaling mechanism involved in the neuroprotective effects of <i>Yashtimadhu</i> in Parkinson's disease.	Dr. Prashant Kumar Modi Dr. T.S Keshav Prasad	2019	2021
22.	Study of G6PD deficiency in patients with Malaria in endemic region of Dakshina Kannada including the study of the relapse pattern.	Dr. Sahana KS Dr. Prabha Adhikari Dr. Shankar Prasad Das	2019	2021
23.	Interaction of human Wharton's jelly mesenchymal stem cells (WJ-MSCs) with cancer stem cells in vitro: Cellular, molecular and functional aspects.	Dr. Vidhyashree Kamath C Dr. Bipasha Bose	2019	2021
24.	Role of thymoquinone in sepsis induced acute kidney injury.	Mr. Anwar AS. Dr. Ramadas Nayak	2019	2020
25.	Identification of blood and urinary markers to predict severity of neonatal asphyxia using high resolution mass spectrometry.	Dr. Arun A.B.	2018	2022
26.	Effect of quercetin on cardio-protective effect of resveratrol against isoproterenol induced myocardial injury.	Dr. Mohammed Gulzar A, Dr. Manodeep Chakraborty	2018	2021
27.	Comparative proteomic analysis of serum to identify underlying molecular mechanism of Psoriasis	Dr. Saiqa Rasool Shah Dr. Manjunath Shenoy	2018	2021
28.	Investigating the genetics of deep vein thrombosis among South Indian adults.	Dr. Shankar Prasad Das	2018	2021
29.	Understanding the role and function of Non-coding RNAs during myogenic and osteogenic differentiations and its impact on skeletal muscle diseases	Dr. Raghu Bhushan Dr. RM. Shenoy	2018	2021
30.	Fucoidan beads containing hydroxyapatite and graphene oxide for bone tissue repair and regeneration.	Dr. Jayachandran Venkatesan	2018	2021

31.	Evaluation of inflammatory mediators and magnetic resonance imaging changes in temporomandibular joint disorders following arthrocentesis with sodium hyaluronate injection.	Dr. Joyce Sequeria Dr. Varsha Upadya	2018	2021
32.	Development of PCR based assay for scrub typhus at Yenepoya Medical College and identification and evaluation of potential biomarkers for diagnosis of scrub typhus in patients with acute undifferentiate febrile illnesses.	Dr. Anurag Bhargava Dr. Yashwanth Subbannayya	2018	2021
33.	Elucidating the mechanism of piperine in enhancing the sensitivity of cisplatin treated cancers towards radiation.	Dr. Divya Lakshmanan M	2018	2021
34.	Identification of metabolomic markers for prediction of disease progression in mild-to-moderate COPD.	Dr. Sneha M. Pinto Dr. Keshav Prasad	2018	2020
35.	Early detection of idiopathic scoliosis through school based screening.	Ms. Mudasir Rashid Baba Dr. R.M. Shenoy	2018	2020
36.	Identification and evaluation of potential biomarkers for early diagnosis of liver cirrhosis using high-resolution mass spectrometry	Dr. B. Sudheesh Shetty Dr. Prashanth K Modi	2018	2019
37.	Skeletal muscle fluorosis: Effect on skeletal muscle cells and its associated mechanisms an in vitro study.	Dr. Sudheer Shenoy	2017	2021
38.	Designing and development of lab-on-paper device for sensing trace arsenic in ground water.	Dr. K. Sudhakarprasad	2017	2021
39.	Development of bioreducible block copolymer drug conjugate nanoassemblies functionalized with noble metal nanoparticle for targeted, image guided delivery of chemotherapeutic drugs and bio-sensing applications.	Dr. Renjith P. Johnson	2017	2021
40.	A study of urinary stones in Dakshina Kannada and North Kerala : An analysis of risk factors metabolic evaluation and prevention.	Dr. Mujeeburahiman	2017	2019

41.	A Comparative study of level of HbA1c in normal and diabetic patients of rural population of South India- a pilot study.	Dr. R.N. Sujeer Dr. Mukhtar Ahmed B.	2017	2018
42.	Determining the cause of death amongst persons treated for multidrug resistant tuberculosis, Karnataka, India	Dr. Poonam R Naik	2017	2018
43.	Molecular mechanism of p53 mutations in cancer stem cells isolated from triple negative breast cancer cell lines.	Dr. Suparna Laha	2016	2021
44.	Integrated metagenomics analysis of urine and their association with the urolithiasis.	Dr. Rekha P.D.	2016	2020
45.	Evaluation for the presence of CD34+/45- adult stem cells from all three germ layers, ectoderm and use of such CD34+/45- in ameliorating muscular dystrophy in mouse model	Dr. Bipasha Bose	2016	2020
46.	A study on typing and detection of oncoproteins of human papilloma virus among sexually active women attending tertiary care hospital.	Dr. Vidya Pai	2016	2019
47.	Role of inflammatory cytokines and p53 - fibronolytic systems in smokers with or without COPD	Dr. Yashodhar Bhandary Dr. Deepu Chengappa Dr. Ashwini Shetty	2016	2019
48.	Isolation, purification and characterization of mesenchymal stem cells from fracture hematoma.	Dr. RM. Shenoy Dr. Sudheer Shenoy	2016	2019
49.	A prospective study of detection of fluoroquinolone drug resistance in clinical isolates of <i>Klebsiella</i> species from patients attending tertiary care hospital.	Dr. Sateesh K. Malkappa	2016	2018
50.	Genetic investigation of non syndromic cleft lip and palate (NSCLP) in the Indian population	Dr. Riaz Abdulla	2016	2018
51.	Oxidative damage to limbal stem cells of eye in response to bright and ultraviolet light and its associated mechanisms.	Dr. Lt.Col (Retd) Cynthia Arunachalam Dr. Bipasha Bose	2016	2018
52.	Dynamics of birth and death of N-glycosylation sites in viral proteins	Dr. Shyama Prasad Rao	2016	2018

53.	Triglyceride levels in the blood as a risk factor for hypertension in the general population of Ullal town municipal council in D.K district.	Dr. R.N. Sujeer Dr. Mukhtar Ahmed B.	2016	2018
54.	Novel functionalized scaffolds for enhancing the regenerative potential of dental pulp stem cells for tissue	Dr. Sudheer Shenoy	2015	2018
55.	Qualitative study to explore infant feeding practices in a rural and urban field practice area of a medical college of Dakshina Kannada district, Karnataka	Dr. Abhay S. Nirgude	2015	2018
56.	Evaluation of the effectiveness of BMP signalling pathway inhibition on the growth of melanoma	Dr. Vinitha R Pai	2015	2017
57.	Explorative study on the personal experience of workplace harassment among employees of selected institutions in Mangaluru	Dr. Asha P Shetty	2015	2017
58.	Molecular targeted therapy for triple negative breast cancer: efforts to overcome drug resistance	Dr. CV Raghuveer	2015	2017
59.	Age determination from epiphyseal union at knee joint- A radiological study	Dr. Vina Vasvani	2014	2017
60.	Studies on three dimensional finite element method as a tool to improve efficacy of lingual orthodontic techniques	Dr. Rohan Mascarenhas	2014	2017
61.	Assessment of risk for type 2 Diabetes Mellitus among under graduate students using Indian Diabetic Risk Score (IDRS) and its correlation to Fasting Plasma Glucose, Fasting Lipid Profile and Blood pressure	Dr. Poonam R. Naik	2014	2017
62.	A study to assess the effectiveness of video assisted pre procedural preparation on the psycho physiological parameters of children undergoing invasive procedure	Mrs. Priya Reshma Aranha	2014	2017
63.	A comparative evaluation of ischemia modified albumin and other oxidative damage markers in assessing vascular complications in type 2 Diabetes Mellitus	Dr. Jyothi MP Dsouza	2014	2015

64.	Evaluation of serum biochemical markers of psoriasis as a metabolic syndrome	Dr. Manjunath Shenoy,	2013	2016
65.	Surveillance of antibiotic resistance and genetic determinants in bacteria isolated from orofacial abscesses	Dr. Sripathi Rao	2013	2016
66.	A prospective study on virulence and drug resistance in <i>Candida</i> in a tertiary care hospital with a special reference to <i>Candida albicans</i>	Mrs. Faseela T.S.	2013	2015
67.	Efficacy of probiotics in preventing extrinsic stains produced by chromogenic bacteria	Dr. Sruthy Prathap	2013	2015
68.	A prospective study on virulence and drug resistance in <i>Candida</i> in tertiary care hospital with a special reference to <i>Candida albicans</i>	Dr. Radha Y Aras	2013	2015
69.	Comparison of stress distribution in the normal teeth and endodontically treated primary teeth with and without stainless steel crown using finite element analysis	Dr. Sandeep Hegde K	2013	2015
70.	Evaluation of serum biochemical markers of psoriasis as a metabolic syndrome	Dr. Manjunath Shenoy	2013	2014
71.	Maxillofacial orthopaedic appliance (MAX GYM) - A clinical evaluation	Dr. Akhter Husain	2012	2015
72.	Phenotypic and genotypic characterization of virulence factors and antibiotic resistance in extra intestinal pathogenic <i>E.coli</i> (EXPEC).	Dr. Rouchelle Tellis	2012	2015
73.	Long term evaluation of remineralization of human enamel with bioactive glass and CPP-ACP using laser fluorescence and scanning electron microscope analysis for early caries defence.	Dr. Ajay Rao	2012	2015
74.	Blood group determination using DNA extracted from exfoliated primary teeth at various time durations and temperatures- a PCR study.	Dr. Reshma Pai Dr. Sham S. Bhat	2012	2014
75.	Study of water quality from dental unit water lines in dental practices from selected dental clinics in the Mangalore region (India)	Dr. Sham S Bhat	2012	2014

76.	A prospective study of Metallo Beta Lactamase (MBL) producing <i>Pseudomonas aeruginosa</i> among patients attending a tertiary care hospital.	Dr. Sunil Rao P	2012	2014
77.	Influence of knowledge and practice of ergonomics on the occurrence of work-related musculoskeletal disorders among computer professionals	Mr. Mohammed Sherif	2012	2014
78.	Antimicrobial effect of indigenous plant extracts on common oral pathogens	Dr. Sonia Adyanthaya	2011	2014
79.	Impact of family oriented approach on the utilization of healthcare services.	Dr. Siddharudha Shivalli	2011	2014
80.	Health insurance: knowledge, attitude, practice and satisfaction of the rural population	Dr. Sunita Saldanha	2011	2013