

Major extramural funded projects

SL. No.	PROJECT TITLE ALONG WITH DETAILS OF INVESTIGATOR	FUNDING AGENCY	YEAR	TOTAL (RS. IN LAKHS)
Major extramural funded projects (Ongoing)				
1.	Assessment of cellular and molecular changes in response to thoron inhalation in mice. PI: Dr. Bipasha Bose, Associate Professor, YRC	<i>BRNS</i>	2017	42.21
2.	Immunomodulation by parasitic macrophage migration inhibitory factor in type II diabetes. PI: Dr. T.S. Keshav Prasad, YU-IOB CSBMM	<i>ICMR</i>	2017	23.00
3.	Design and fabrication of dual mode paper-analytical- device for point of care diagnostics. PI: Dr. Sudhakarprasad, Assistant Professor, YRC	<i>DBT</i>	2017	29.61
4.	Early detection of Leptospirosis using immune carbon nanotubes. PI: Dr. Arun A.B., Professor & Deputy Director, YRC	<i>ICMR</i>	2017	21.41
5.	A novel strategy for enhancing the efficacy of Platelet Rich Plasma (PRP) in diabetic wound care. PI: Dr. Rekha P.D., Professor & Deputy Director, YRC	<i>DST</i>	2017	42.05
6.	Development and investigation of adjuvant therapeutic strategies for treating malignant glioma by gamma radiation in combination with angiogenesis inhibition. PI: Dr. Ashwini Prabhu, Assistant Professor, YRC	<i>BRNS</i>	2017	24.75
7.	Studies on the role of curcumin p53 in the reduction of severity of gamma irradiation induced apoptosis of alveolar epithelial cells. PI: Dr. Yashodhar Bhandary. P, Assistant Professor, YRC	<i>BRNS</i>	2017	24.79
8.	Biotechnology Skill Enhancement Programme (BiSEP)- P.G. Diploma in Omics Technology	<i>KBITS</i>	2017	162.50

	PI: Dr. Keshav Prasad T.S., Professor & Deputy Director, YU-IOB CSBMM			
9.	Mobile phone instructional video on sputum expectoration for tuberculosis suspects to enhance case detection: A pragmatic RCT. PI: Dr. Siddharudha Shivalli, Dept. of Community Medicine	<i>RNTCP</i>	2017	1.99
10.	Nutritional Assessment of Tuberculosis patients of Mangalore Tuberculosis Unit. PI: Dr. Madhavi Bhargava, Dept. of Community Medicine	<i>RNTCP</i>	2017	1.89
11.	Development and application of high resolution genome conformation capture technology to investigate genome architecture in space and time. PI: Dr. Shyama Prasad Rao, Asst. Professor, YRC	<i>DBT</i>	2018	17.08
12.	Therapeutic potential of curcumin in regulation of IL-17A during acute lung injury and fibrosis. PI: Dr. Yashodhar P. Bhandary, Associate Professor, YRC	<i>ICMR</i>	2017	32.39
13.	Fibrinolytic system and miR 200a in EMT and pulmonary fibrosis. PI: Dr. Yashodhar P. Bhandary, Associate Professor, YRC	<i>DBT</i>	2018	34.00
14.	Differentiation of human pluripotent stem cells into functional β islets using bioactive lipids. PI: Dr. Bipasha Bose, Associate Professor, YRC	<i>DST - SERB</i>	2018	59.00
15.	Skeletal muscle fluorosis: effects of Fluoride on skeletal muscle cells and its associated mechanisms in vitro and in vivo studies PI: Dr. Sudheer Shenoy, Associate Professor, YRC	<i>DST - SERB</i>	2018	31.68
16.	Study of association between valproic acid levels, biotinidase activity and hair loss in Indian population. PI: Dr. Anil Kakunje, Associate Professor, Dept. of Psychiatry, YMCH	<i>Indian Association of Private Psychiatry</i>	2017	4.00
17.	Development of a wound healing material from the biopolymers produced by two novel bacterial strains isolated from west coast of India.	<i>DBT</i>	2018	39.62

	PI: Dr. Rekha P.D. Professor & Deputy Director, YRC			
18.	Yenepoya University – Fogarty International Center (YU FIC) Research Ethics Master’s Program for India. PI: Dr. Vina Vaswani, Centre for Ethics, YU	<i>Department of Health & Human Services, National Institutes of Health (NIH)</i>	2017	274.74 (USD 400000/-)
19.	GFBR Travel grant from Wellcome Trust. PI: Dr. Vina Vaswani, Centre for Ethics	<i>DBT</i>	April 2018	06.99
20.	Discovering new therapeutic targets and drugs to combat AMR tuberculosis: proteomics characterization and drug screening of mycobacterium -infected macrophages. (Norway-Sweden-India collaboration grant) PI: Dr. Keshav Prasad, Professor, YRC	NTNU Norges teknisk - naturvitenskapelige Universitet)	2018	82.00
21.	Evaluation of cornea friendly phaco-tip position during clear corneal phacoemulsification cataract surgery: a randomised, triple-blind, parallel group trial of phacoemulsification with bevel-up versus bevel-down. PI: Dr. Soujanya Kaup, Dept. of Ophthalmology	<i>DBT</i>	2018	101.03
22.	To evaluate the role of xenoestrogens in antibody receptor diversity and translocation: Phytoestrogens and other endocrine disrupting compounds in modulating genomic stability, auto-immune diseases and cancers. PI: Divyalakshmanan, Yenepoya Research Centre	<i>DST</i>	2016	39.30
23.	Delineating the role of IL-33 in COPD. PI: Dr. Sneha Pinto, YU-IOB CSBMM	<i>DST/INSPIRE</i>	2015	80.00
24.	A study of physical, chemical and biological characteristics of surface and ground water from Deralakatte region in Dakshina Kannada. PI: Dr. Bhagya B Sharma, Dept. of Centre for Environmental Studies	<i>VGST</i>	2016	5.00
25.	Cost of care among tuberculosis patients enrolled under RNTCP, Mangalore TU Unit.	<i>RNTCP</i>	2016	0.30

	PI: Dr. Akshaya KM, Dept. of Community Medicine, YMC			
26.	Study on Delay in Diagnosis and Treatment of adult patients with Tuberculosis enrolled under Directly observed Treatment Short course (DOTS) in Dakshina Kannada and Udupi districts of Karnataka. PI: Dr. Abhay Nirgude, Professor and Head, Dept. of Community Medicine, YMC	<i>RNTCP</i>	2016	0.30
27.	TB case notification to RNTCP by the private practitioners in Dakshina Kannada district, Karnataka. PI: Dr. Akshaya KM, Dept. of Community Medicine, YMC	<i>RNTCP</i>	2015	0.30
28.	Phosphorylation-mediated induction of salt stress signaling in primary root growth of model plant <i>Arabidopsis thaliana</i> . PI: Dr. Pratigya Subba, Assistant Professor, YU-IOB	<i>Science & Engineering Research Board (SERB)</i>	2016	46.20
29.	Evaluating the impact of cancer awareness outreach program in Udupi district of Karnataka state. PI: Dr. Abhay Nirgude, Professor and Head, Dept. of Community Medicine, YMC	<i>Tata Education and Development Trust</i>	2016	64.00
30.	Development of an intra-oral biocompatible radio-protective shielding device in radiotherapy of head and neck cancers. PI: Dr. Riaz Abdulla, Professor, Oral Pathology	<i>BRNS</i>	2014	16.41
31.	IgG4 levels in the saliva of children with autism spectrum disorder (ASD). PI: Dr. Sham S. Bhat, Dept. of Paedodontics, YDC	<i>ICMR</i>	2014	13.62
32.	Role and association of MTHFR gene and serum Homocysteine level in non syndromic cleft lip and palate. PI: Dr. Riaz Abdulla, Professor, Oral Pathology	<i>VGST</i>	2014	4.00
Major extramural funded projects (Completed)				

33.	Electron Beam Irradiation for Improving the Functional Properties of Marine Bacterial Exopolysaccharides. PI: Dr. Rekha P.D., Yenepoya Research Centre		2013	16.64
34.	A Study of the Bioleaching of Monazite Ores by Microorganisms. PI: Dr. Kishore Kumar K., Yenepoya Research Centre		2013	13.43
35.	Understanding Cell Signalling Alterations Associated with Radiation Therapy in Combination with RAS Pathway Inhibitors to Identify New Therapeutic Targets for Metastatic Melanoma. PI: Dr. Dinesh U, Yenepoya Research Centre	<i>BRNS</i>	2013	13.43
36.	Chemical toxicity and risk assessment of selected uranium compounds in experimental Rats. PI: Dr. Arun A.B., Yenepoya Research Centre		2011	49.91
37.	Do our Medical College inculcate health promoting life style among medical students: a cross-sectional study from Karnataka state on India PI: Dr. J.P. Majra, Dept. of Community Medicine	<i>ICMR</i>	2012	7.09
38.	Novel Natural Quorum Quenching Molecules for the inhibition of Quorum sensing in gram-negative bacteria. PI: Dr. Rekha P.D., Yenepoya Research Centre	<i>DBT</i>	2010	17.71
39.	Enhancing Carotenogenesis (Zeaxanthin and Lycopene) in Marine Bacteria by Electron Beam Irradiation for Industrial Applications. PI: Dr. Arun A. B., Yenepoya Research Centre	<i>BRNS</i>	2009	20.00
40.	Pretreatment of Cellulosic Biomass using Electron beam Irradiation for the Enhanced Ethanol Fermentation by Microbial Enzymes. PI: Dr. Rekha P.D., Yenepoya Research Centre	<i>BRNS</i>	2009	26.01
41.	Programmatic management issues in Tuberculosis and Diabetes Mellitus: A mixed method approach.	<i>RNTCP</i>	2016	0.20

	PI: Dr. Poonam R Naik, Dept. of Community Medicine			
42.	A case control study on factors associated with defaults among TB patients in DK, Karnataka. PI: Dr. Abhay S Nirgude, Dept. of Community Medicine	<i>RNTCP</i>	2014	0.30
43.	Physical accessibility of primary health centres for people with disabilities: On site assessment from South Indian district. PI: Dr. Madhavi Bhargava, Dept. of Community Medicine	<i>Family of Disabled</i>	2016	0.20