



CENTRAL RESEARCH LAB

INTRODUCTION

- Advances in medicine and science come from new ideas and approaches developed through research.
- Central Research Laboratory (CRL) is a facility that provides centralized research infrastructure to benefit investigators in multiple disciplines across RajaRajeswari Medical College and Hospital (RRMCH).
- CRL is Located on the second floor of the college building and our mission is to provide a comfortable, safe and effective environment to conduct professional, high-quality research

ORGANISATION STRUCTURE

MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST



RAJARAJESWARI MEDICAL COLLEGE AND HOSPITAL



CENTRAL RESEARCH LAB



DIRECTOR; DR.H.SAHAJANAND,MBBS,MD



Professor and Head ;DR.S.PRABHAKARA,M.SC,Ph.D



MISSION

- Our mission is to provide a comfortable, safe and effective environment to conduct professional, high-quality research involving human and animal subjects.
- Our students are given proper assistance to enable them to gain the knowledge, skills and behaviors necessary to recover, build and maintain health as well as balance lifestyles.

VISION

- Dedicated faculty, infrastructure, interactions with specialists as well as the practical experience gained in the research labs ensures that both graduates and postgraduates are given the best possible education.
- Supports all aspects of biomedical research, from exploration at the basic science level to translating fundamental discoveries into treatments that can improve human health and cure certain ailments.

GOAL

- Our goal at RajaRajeswari Medical College and Hospital is to translate research findings quickly into clinical care that benefits all patients.

FACULTY

- Faculties are intensely committed to the training of clinicians in learning research techniques. Ten Dedicated Research Scientists are involved in the teaching, service and research work.

SERVICES PROVIDED BY CENTRAL RESEARCH LAB

- ❖ PRRT2 gene sequencing for patients with Benign Familial Infantile Epilepsy and Paroxysmal dyskinesias (PDs).
- ❖ Reporting microRNAs expression in Post-Menopausal Osteoporosis Women.
- ❖ Screening for early prediction and diagnosis of Pre-eclampsia in Indian women by Congo red dot test.
- ❖ Conducting and reporting PFT, EEG and ENMG test for diagnostic and research purpose.
- ❖ IHC, ISH, and FITC tests and to know status of estrogen receptor (ER), progesterone receptor (PR) in Breast cancer patients.
- ❖ HPLC (High-performance liquid chromatography) and Digital microbalance for conducting drug concentration and toxicology studies.

SERVICES PROVIDED BY CENTRAL RESEARCH LAB

- ❖ Central research laboratory provides facilities to study *Mycobacterium tuberculosis* bacterium (Tuberculosis causing pathogen) and *Plasmodium vivax* (Malaria causing pathogen) by using fluorescent microscopy.
- ❖ Hands on Training for the Graduates, Postgraduates and Staff on advanced Instruments like PCR, RT PCR, Agarose Gel electrophoresis, High Performance Liquid Chromatography; HPLC, Nanodrop Spectrophotometer, Fluorescent Microscope, Cobase e 411 Autoanalyzer, Fully Automated IHC/ISH Slide Staining Instrument, EEG and ENMG instruments.
- ❖ To Guide and support the faculty in completing their External Funding Research Projects like ICMR Govt. of India, RGUHS and VGST Govt. of Karnataka.
- ❖ To Mentor and support the Postgraduates in completing their Research Projects and Thesis.
- ❖ To Guide and support the Undergraduates, to complete their STS ICMR Projects and Research projects.
- ❖ Supporting for completion of Collaborative Research Projects.

MILSESTONES

Sl.No	Achieved	Year
1	Establishment of Central Research Lab	2012-2013.
2	High end equipments like IHC/ISH slide staining instrument, Cobas e 411 (Roche-Hitachi;USA) Autoanalyzer, and HPLC were installed	2013
3	Helena Electrophoresis Unit with power pack for Hemoglobin electrophoresis was installed in the year	2013
4	Genomics division was established with PCR, RT PCR, Gel Doc and Nanodrop Spectrophotometer equipments	2013-2014
5	Two Scientific Papers were Published in 2013 first time from Central Research Lab	2013
6	Recognition of Scientific and Industrial Research Organisations (SIROs) was obtained from DSIR, Govt. of India	2014 2017 2020
7	First Extramural Project was awarded by VGST Karnataka Govt. to Dr. S Prabhakara	2014
8	Dr. S. Prabhakara may be the first person to do PRRT2gene sequencing in Indian Lab (Ann Indian Acad of Neurol).	2014

MILSESTONES

9	Animal Cell culture lab was established with Trinocular Inverted Tissue culture Microscope with camera, CO ₂ Incubator and Laminar Air Flow	2014-2015
10	Dr. S. Prabhakara Senior Research Scientist from Central Research Lab received “Young Scientist” award from VGST, Karnataka Govt. in the year	2014-2015
11	Nine Extramural Projects were awarded by Rajiv Gandhi University of Health Sciences in Bangalore	2016-2018
12	Lifetime achievement award to Dr. Sahajanand for his services, teaching and research by ISA. (Indian Society of Anesthesiologist, Bangalore)	2017
13	Dr. Anbazhagan Kolandaswamy of Central Research Lab in collaboration with Department of OBG, Orthopedics and Biochemistry has got external funding of 19.29 lakhs from ICMR Govt. India	2018

MILSESTONES

14	Dr. Prabhakar S, Interview published in Namma Nagartha Vidyavarthaka vani, Bangalore	2021
15	Dr. Prabhakara S of Central Research Lab has got technical approval for external funding of 38.59 lakhs from ICMR Govt. India	2022

PATENTS

- 5 Patents application has been accepted

HUMAN RESOURCES

Chief Coordinator – Dr. Sahajanandha

Professor & Head– Dr. S. Prabhakara

Associate Professor –Dr. Anbazhagan Kolandaswamy

Senior Research Associate – Dr. Dwajani S

Neurophysiology Technologist - Dr. K.S. Nirmala

Research Assistant –Mr. Prabhu M.R

Research Assistant – Ms. Revathi S

Research Assistant - Mrs. Megha K

Research Assistant – Ms. Meenakshi K. R

Junior Research Fellow – Mrs. Shruthi T.N

Computer Operator - Mrs. Chandrakala

Lab Assistant – Mr. Maruthi R

Lab Attender – Mrs. Sindhushree B S

House Keeping- Mrs. Jayalakshmi

EQUIPMENTS AT CENTRAL RESEARCH LAB

- Flow Cytometer (Attune NxT; Thermo Scientific, USA)
- RT PCR (Quant Studio 5; Applied Biosystems, USA).
- RT PCR (ABI- Step one;USA)
- High-performance Liquid Chromatography (HPLC; Shimadzu; LC2010CHT; Japan)
- Class II, Type A2 Biological Safety Cabinet (Thermo; USA)
- Nanodrop Spectrophotometer (ND-2000C; Thermo, USA)
- UV/Visible Spectrophotometer (Chemline, India)
- ELISA Reader, (Multiskan Go, Thermo, USA)
- Gel documentation system (ProteinSimple, USA)
- Gradient PCR (C1000, Biorad;USA)
- Gradient PCR (Simpli Amp, ABI;USA)
- Vertical Electrophoresis unit (Biorad;USA)
- Horizontal Electrophoresis Unit (Biorad;USA)

EQUIPMENTS AT CENTRAL RESEARCH LAB

- Horizontal Electrophoresis Unit (Mupid-eXU;Japan)
- CO₂ Incubator (Thermo, USA)
- Trinocular Inverted Tissue culture Microscope with camera (Carl Zeiss, Germany)
- Centrifuge- refrigerated (5804; Eppendorf; Germany)
- Fluorescent Microscope (Olympus- BX 43; Japan)
- Digital Colorimeter (Scientex, India)
- Refrigerators (0 to 8°C)
- Freezer (- 20°C; Elanpro; Itlay)
- Deep Freezer (- 40°C;Biocare;India)
- Deep Freezer (- 80°C; Eppendorf; Germany)
- Cobas e 411 (Roche-Hitachi;USA) Autoanalyzer
- Fully automated IHC/ISH slide staining instrument (BenchMark GX instrument;USA)
- Electronic balance (Sartorius;BSA 224S-CW; Germany)
- Micro Balance (MSE 3.6 P-000-DM, Sartorius, Germany)

EQUIPMENTS AT CENTRAL RESEARCH LAB

- P^H Meter (Sartorius;PP50; Germany)
- Laminar Air Flow (Fortunex;India)
- K.F. Titrator (LASCO;India)
- Rotavap (Superfit; India)
- BOD Incubator
- Digital Clinical Flame photometer
- Binocular microscopes (Olympus)
- Computerized Treadmill System
- EEG- Electroencephalogram Neuropack S1; Nihon Khoden; Japan
- ENMG- Electroneuromyogram- Nihon Khoden; Japan
- Spirowin (Pulmonary Function Testing System; LifeLine Meditech, India)
- Canwin (Autonomic Nervous Testing Equipment; LifeLine Meditech, India)
- S T win Deluxe Version 6.1 (Nassan) (Stress Testing Machine)
- Revela 12 (12 channel digital Holter) version 6.2 (Nassan)
- Microtome

EQUIPMENTS AT CENTRAL RESEARCH LAB

- Paraffin embedding bath
- Tissue floatation waterbath
- Helena Electrophoresis Unit with power pack for Hemoglobin electrophoresis
- Water plant (ELGA;UK)
- Hot air oven (Sentwin, India)
- Bacteriological Incubator (Apollo Scientific, India)
- Autoclave
- Water bath
- Rotary Shaker (Grant Bio, UK)
- Ice making Machine (Elanpro; Itlay)
- Vertical Autoclave

CENTRAL RESEARCH LAB ; EQUIPMENTS



HPLC



IHC/ISH – INSTRUMENT



ELISA READER



COBAS
e411

CENTRAL RESEARCH LAB ; EQUIPMENTS



CENTRAL RESEARCH LAB ; EQUIPMENTS



LAMINAR AIR FLOW



TISSUE CULTURE
MICROSCOPE



CO₂
INCUBATOR



CENTRIFUGE-
REFRIGERATED

CENTRAL RESEARCH LAB ; EQUIPMENTS



FREEZER (-20°C)



DEEP FREEZER (-40°C)

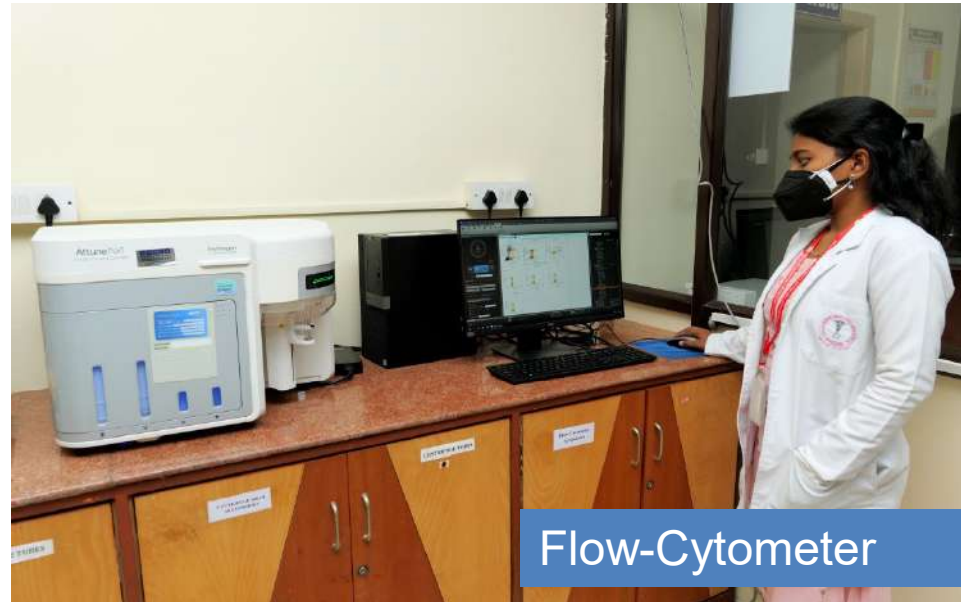


DEEP FREEZER (-80°C)



AGAROSE ELECTROPHORESIS UNIT

CENTRAL RESEARCH LAB ; EQUIPMENTS



Flow-Cytometer

Faculty Recognized as Ph D Guides in the CRL Department

Sl.No	Name of faculty recognized as Ph.D guides	Department	Year
1.	Dr.S.Prabhakara	Genetics Department, Central Research Lab	2020-2021
2.	Dr. Anbazhagan Kolandaswamy	Department of molecular Medicine, Central Research Lab	2020-2021
3.	Dr. Dwajani S	Department of Medicine, Central Research Lab	2020-2021

Ph.D Research Scholars in the CRL Department

Sl.No	Name of the Ph.D Scholar	Name of the Ph.D Guide	Department	Year
1.	Hanumantha Rao.H.M	Dr.S.Prabhakara	Genetics Department, Central Research Lab	2020-2021
2.	Revathi.S	Dr.S.Prabhakara	Genetics Department, Central Research Lab	2020-2021
3.	Prabhu.M.R	Dr. Anbazhagan Kolandaswamy	Department of molecular Medicine, Central Research Lab	2020-2021
4.	Shruthi.T.N	Dr. Anbazhagan Kolandaswamy	Department of molecular Medicine, Central Research Lab	2020-2021

EXTRAMURAL FUNDED RESEARCH PROJECTS

SL. NO	PROJECT TITLE	FUNDING AGENCY / YEAR	GRANTS SANCTIONED	INVESTIGATORS	DEPARTMENTS	STATUS
1.	Identification and Screening of candidate genes for Paroxysmal Movement Disorders by Next Generation sequencing approach for developing molecular diagnostics.	ICMR / 2021-2022	38.59 lakhs	Dr. S. Prabhakara Dr.Prashanth.L.K Dr. Anabazhagan Kolandaswamy	Central Research Lab,	Technically Approved from ICMR
2.	Study to Evaluate the effectiveness of BCG vaccine in reducing Morbidity and Mortality in Elderly individuals in COVID-19 Hotspots in India	ICMR 2020-21	55.21Lakhs	Dr. Praveen Kumar Dr. Vidya	ENT Community Medicine	Ongoing
3.	Establishing center based 1 st trimester specific ranges of TSH in healthy pregnant women visiting a Tertiary Care Hospital in Bengaluru, Karnataka, India”	ICMR 2019-20	9.0 Lakhs	Dr. Usha SMR Dr. Sadaf Idris	Biochemistry	Ongoing
4	“Oral Glucose Stimulated C-peptide test: a simple screening tool to assess β -cell function: an indirect method to diagnose LADA”	ICMR 2019-20	9.0 Lakhs	Dr. Priyadarshini Dr. Bindu C.M.	Biochemistry	Ongoing
5	Impact of supplementation on treatment outcomes in depressed patients	RGUHS 2019 – 2020	1.5 lakhs	Dr. Vidyavathi	Psychiatry	Ongoing

SL. NO	PROJECT TITLE	FUNDING AGENCY / YEAR	GRANTS SANCTIONED	INVESTIGATORS	DEPARTMENTS	STATUS
6	unnat bharath Abhiyaan	National Coordinating institute, Indian Institute of Technology New Delhi 2019-2020	0.50 lakhs	Dr.Monica Dr.ShashikalaManjunatha	Community Medicine	Ongoing
7	An assessment of the working conditions and health hazards of beedi rollers residing in Ramnagara district and A survey on the current status of adult tobacco users in Ramnagara district	NTCP, 20219-2020	0.40 lakhs	Dr. Allen Dr. Dwajani.S	Pharmacology	Completed
8	Study of differential expression of maternal plasma miRNA as a novel non-invasive biomarker during early pregnancy as a predictor of Preeclampsia and its severity	RGUHS Govt. Of Karnataka, 2018-2019	7.0 lakhs	Dr.Pavanaganga. A Dr. S.Prabhakara	OBG Central Research Lab	Ongoing
9	microRNAs in Development of Osteoclasts During Post-Menopausal Osteoporosis in Indian Women	ICMR Govt. of India, 2018-2019	19.29 lakhs	PI : Dr. Anabazhagan Kolandaswamy Co-In : Dr. S. Prabhakara Dr. Roshankumar Dr. Sailakshmi Dr. H.V. Shetty	Central Research Lab Orthopedics OBG Biochemistry	Completed

SL. NO	PROJECT TITLE	FUNDING AGENCY / YEAR	GRANTS SANCTIONED	INVESTIGATORS	DEPARTMENTS	STATUS
10	Computational Identification, Validation and Prediction of COVID 19 using Artificial Intelligence (AI) and Machine Learning (ML)	TEQIP	0.50 lakhs	Dr.Dwajani.S	Pharmacology	Completed
11	An assessment of the working conditions and health hazards of beedi rollers residing in Ramnagara district and Asurvey on the current status of adult tobacco users in Ramnagara district	NTCP, 2019-2020	0.50 lakhs	Dr.Dwajani.S	Pharmacology	Completed
12	Comparison of the blood plasma as media over Conventional reagents dulbeco's modified eagle's medium and Trypsin inhibitor in epidermal cell suspension in stable vitiligo And immunocytochemical analysis of viability of melanocytes in both media	IADVL- L'Oreal Indian Hair and Skin Research Grant- (LG20) 2018	2.15 lakhs	Umashankar Nagaraju Abhilasha MD Vamseedhar Annam	Dermatology	Completed
13	Study of Maternal plasma miRNAs as novel non-invasive biomarkers during mid pregnancy to predict spontaneous preterm delivery in asymptomatic pregnant women	RGUHS Govt. Of Karnataka, 2018-2020	4.90 lakhs	PI : Dr. Chandana Co-In : Dr. S. Prabhakara	OBG Central Research Lab	Ongoing

14	Screening for early prediction and diagnosis of pre-eclampsia in indian women by congo red dot test and by quantifying amyloid proteins in pre-eclampsia patients	RGUHS Govt. Of Karnataka, 2017-2019	5.0 lakhs	PI : Dr. M.P.A. Sailakshmi Co-In : Dr. S. Prabhakara Dr. Anbazhagan K	OBG Central Research Lab	Completed
15	“Quantification of circulating micrnas associated with post-menopausal osteoporosis”	RGUHS Govt. of Karnataka 2017-2019	4.0 lakhs,	PI : Dr. B.M. Rupakala Co-In : Dr. Anbazhagan. K Dr. S. Prabhakara	OBG Central Research Lab	Completed
16	GADA & ICA positivity in Population: need for early insulinization to prevent β cell Destruction	RGUHS Govt. of Karnataka 2017-2019	2.5 lakhs,	PI : Dr. Priyadarshini Co-In : Dr. Deepti Gupta	Biochemistry	Ongoing
17	Study of sensitivity of angiogenic factors as predictors of preeclampsia and role of Aspirin preventing preterm preeclampsia	RGUHS Govt. of Karnataka 2018-2020	3.40 lakhs	PI : Dr. R Nagarathnamma Co-In : Dr. Pavanaganga. A	OBG	Ongoing

18	Utilization pattern and Effectiveness of cognitive Behavior therapy for anxiety Disorders in adults: a Naturalistic study	RGUHS Govt. of Karnataka 2017-2019	0.50 lakhs,	PI : Dr. Sudhir Hebbar	Psychiatry	Completed
19	Genetic investigations in patients suffering from paroxysmal dyskinesias and Benign familial infantile epilepsy	VGST Karnataka Govt. 2015-2016	4.0 lakhs,	PI : Dr. S. Prabhakara,	Central Research Lab	Completed
20	A Comparative evaluation of effects of newer antiepileptic drugs (Leviracetam/topiramate) on bone health using Biological markers	ICMR Govt. of India, 2013-2016	2.92 lakhs	PI : Dr. Chanda Kulkarni	Pharmacology Central Research Lab	Completed

COLLABORATIVE RESEARCH PROJECTS ONGOING

SL. NO	PROJECT TITLE	NAME OF THE INSTITUTION /	INVESTIGATORS	DEPARTMENT	YEAR
1.	Standardization of protocol for extraction of high compthothecin from Nothapodytesnimmoniana using cell culture technique and to evaluate its anticancer effects.	Institute of Wood Science, Govt. of India,	Chandrasekhar B.S Co-In : Dr. Basavaraj Bhandare Dr.S. Prabhakara	Chemistry of Forest Products Division Pharmacology Central Research Lab	2018 - 2020
2.	To evaluate the “Role of Sensecent Fibroblasts and their sectetory phenotypes in oral submucous fibrosis.	RajaRajeswari Dental College and Hospital	PI : Dr. Shyamala K Co-In : Dr. Vaidhehi Narayan Nayak Dr. Girish H C Dr. S. Prabhakara Dr. Anabazhagan K	Oral Pathology and Microbiology, Central Research Lab	2018-2020

SL. NO	PROJECT TITLE	NAME OF THE INSTITUTION / YEAR	INVESTIGATORS	DEPARTMENT	STATUS
3.	To Study Hypoglycemic, Anti-inflammatory and Antioxidant Properties of Momordica Cymbalaria and Garcinia indica Extracts on Streptozotocin- Induced Diabetic Rats.	Institute of Wood Science, Govt. of India,	PI : Dr.S. Prabhakara Co-PI : Chandrsekhar B.S Dr. Anabazhagan Kolandaswamy Co-In : Mr. Mohan T Dr. Basavaraj Bhandare	Central Research Lab, Chemistry of Forest Products Division, Pharmacology	2016 - till date
4	SALIVA AS A DIAGNOSTIC TOOL FOR THE ESTIMATION OF SERUM GLUCOSE - A CASE-CONTROL STUDY	RajaRajeswari Dental College and Hospital 2020-2021	PI: Dr. DEEPALI PANDEY Co-PI: Dr. S. Prabhakara	ORAL MEDICINE AND RADIOLOGY	Ongoing
5	“COMPARISION OF ANTIMICROBIAL EFFICACY OF AQUEOUS PSORALEA CORYLIFOLIA EXTRACT WITH COMMERCIALY AVAILABLE MOUTHWASH ON STREPTOCOCCUS MUTANS AND PORPHYROMONAS GINGIVALIS : AN INVITRO STUDY	RajaRajeswari Dental College and Hospital 2020-2021	PI: Dr. Gayathiri R Co-PI: Dr. S. Prabhakara	Department of Public Health Dentistry	Ongoing

COLLABORATIVE RESEARCH PROJECTS COMPLETED

SL. NO	PROJECT TITLE	NAME OF THE INSTITUTION /	INVESTIGATORS	DEPARTMENT	YEAR
1.	Comparative evaluation of antimicrobial activity of propolis, Neem leaves, Green Tea, Sodium Hypochlorite and saline as root canal irrigants by microbial culturing and quantification in chronically exposed anterior primary health.	RajaRajeswari Dental College and Hospital	PI : Dr. Stiya Ann Varghese Co-In : Dr. S. Prabhakara Mr. Mohan. T	Pedodontics & Preventive Dentistry, Central Research Lab	2016-2017
2.	Efficacy of herbal mouthwashes in the reduction of dental caries compared against commercially available fluoride containing mouthwashes.	RajaRajeswari Dental College and Hospital	PI : Dr. A Sadiya Naaz Co-In : Dr. S. Prabhakara Mr. Mohan. T	Dental surgery, Central Research Lab	2016-2017
3.	Effect of Alcohol based beverages on different denture base materials	RajaRajeswari Dental College and Hospital	PI : Dr. Maazia Sohail Co-In : Dr. S. Prabhakara	Prosthodontic, Central Research Lab	2016-2017
4.	Cardioprotective Activity of Rubia cordifolia in Albino rats	Institute of Wood Science, Govt. of India,	PI : Chandrasekhar B.S Co-In : Dr. Basavaraj Bhandare Dr. S. Prabhakara	Chemistry of Forest Products Division Pharmacology Central Research Lab	2015-2016

SL. NO	PROJECT TITLE	NAME OF THE INSTITUTION /	INVESTIGATORS	DEPARTMENT	YEAR
5.	Comparative evaluation of antibacterial effect of GIC containing chlorhexidine and Miswak on S.mutans and S.sobrinus in Early childhood caries children – A PCR study	RajaRajeswari Dental College and Hospital 2019-2020	PI: Dr.Amurta.J.K Co-PI: Dr. S. Prabhakara	DEPARTMENT OF PEDODONTICS AND PREVENTIVE DENTISTRY	Completed
6.	QUANTITATIVE ANALYSIS OF SALIVARY IgA LEVELS AND STREPTOCOCCUS MUTANS IN CHILDREN USING PROBIOTIC CHEWING GUM	RajaRajeswari Dental College and Hospital 2019-2020	PI: Dr. MINI A Co-PI: Dr. S. Prabhakara	DEPARTMENT OF PEDODONTICS AND PREVENTIVE DENTISTRY	Completed
7.	COMPARISION OF ANTIMICROBIAL EFFICACY OF AQUEOUS JAMUN EXTRACT WITH TWO COMMERCIALY AVAILABLE MOUTHWASHES ON <i>STREPTOCOCCUS MUTANS</i> , <i>CANDIDA ALBICANS</i> AND <i>PORPHYROMONAS GINGIVALIS</i> : AN INVITRO STUDY	RajaRajeswari Dental College and Hospital 2019-2020	PI: DR. KARISHMA S HALAGERI Co-PI: Dr. S. Prabhakara	MASTER OF PUBLIC HEALTH DENTISTRY	Completed
8.	Comparing the antibacterial efficacy of Morus alba (mulberry leaf extract) and 0.2% chlorhexidine: An Invitro Assay	RajaRajeswari Dental College and Hospital 2020-2021	PI: Dr.Subodh kumar Co-PI: Dr. S. Prabhakara	Department of Public Health Dentistry	Completed

SL. NO	PROJECT TITLE	NAME OF THE INSTITUTION /	INVESTIGATORS	DEPARTMENT	YEAR
9.	ANTI PLAQUE EFFECT OF CHLORHEXIDINE MOUTHWASH, SPIRULINA MOUTHWASH AND SPIRULINA ENHANCED CHLORHRXIDINE MOUTHWASH – A COMPARATIVE STUDY	RajaRajeswari Dental College and Hospital 2020-2021	PI: Dr. NAYANA M Co-PI: Dr. S. Prabhakara	PUBLIC HEALTH DENTISTRY	Completed

SHORT TERM STUDENTSHIP ICMR RESEARCH

SL. NO	STUDENT NAME	CLASS / TERM	PROJECT TITLE	GUIDE	DEPARTMENT	YEAR
1.	Ms. Sree varna	MBBS	Detection of carbapenemase producing Enterobacteriaceae and Pseudomonas aeruginosa from a tertiary care hospital	Dr.Lakshminarayan	Microbiology	2019
2.	Kirtilaxmi. K. B.	MBBS	Culture growth versus fasting blood glucose level in diabetic foot ulcer treatment- Which is a better predictor?	Dr. Kirtilaxmi. K. B.	Microbiology	2019
3.	DR. Sadaf Idris and Rohit	MBBS	Erectile dysfunction: an emerging component is metabolic dysfunction	DR. Sadaf Idris	Biochem	2018
4.	Ms. Sharan Vasan	IIInd year IV TERM MBBS	To Compare the Effectiveness of Multimodal Analgesia with Unimodal Analgesia for acute post-operative pain relief	Dr. Sahajananda. H	Anaesthesiology, CRL	2018
5.	Ms. Neha.M.N	3 rd term MBBS	To evaluate the association B/o Dementia and type 2 DM AN Observational Study	Dr. Dwajini.S	CRL , Pharmacology	2018
6.	Mr.Pradumna Rao	5 th Term MBBS	Correlation of computed tomography guided visceral adiposity & sagittal abdominal diameter with atherogenic index of plasma in type 2 diabetic patients	Dr.C.M.Bindu	Biochemistry	2018
7.	Mr. R Rohith	5 th Term MBBS	ED: An emerging component of Metabolic Syndrome	Dr.Sadaf Idris	Biochemistry	2018

8.	Ms Ankitha Ravishankar	V term MBBS	Dermatophyte & Non-dermatophyte agents of onych	Dr. Vishwajith	Microbiology	2018
9.	Ms. Riya Naiya	2nd year MBBS	Correlation of RBC distribution width with the incidence of Ischemic Heart Disease	Dr. Prashanth Kumar M	Department of Physiology	2018
10.	Ms. Sanjana S Kamat	5 th Term MBBS	Correlation of Carotid Intima-Media Thickness with Atherogenic Index of Plasma in controlled and uncontrolled Type 2 Diabetes Mellitus	Dr S M R Usha	Biochemistry	2017
11.	Mr.Vishnu Naidu	5 th Term MBBS	Awareness, Attitudes and Practices of Medical Students regarding the Use of Food Labels and Nutritional Information.	Dr.Priyadarshini.K.S	Biochemistry	2017
12.	Ms Meenakshi sundaram	4 th term	Evaluation of efficacy of I V iron sucrose complicating pregnancy	Dr.Nagendra prasad	OBG	2017
13.	Mr. Kushanth P	2 year MBBS	Early diagnosis of Preeclampsia in Indian Women using Congo Red Dot test.	Dr. M.P.A Sai Lakshmi Co-guide: Dr.S.Prabhakara Dr. Anabazhagan.k	OBG Central Research lab	2016
14.	Ms. Meghna Madshusudhan	2 year MBBS	Impact of alcohol abuse on health and economic status of individuals reporting at the sub-urban tertiary care hospital: A cross sectional survey.	Dr. Chanda Kulkarni	Pharmacology	2016

15.	Ms. Charuvi Guttal (2 year MBBS)	2 year MBBS	Suppression of Cortisol levels by a bolus dose of Etomidate in patients undergoing Laparoscopiccholecystectomy.	Dr. Basavaraj Bhandare Co -Guide Dr. H. Sahajanand,	Pharmacology Anesthesia	2016
16.	Ms. Girishma J	2 year MBBS	Comparison of pap smear and microbiological pattern in bacterial vaginosis	Dr. Rupakala	OBG	2016
17.	Ms. Aaraditha	2 year MBBS	Detection of MBL producing Pseudomonas aeruginosa & Acinetobacter from a tertiary care Hospital.	Dr. Lakshmi Narayana S.A	Microbiology	2016
18.	Ms. Priyanka Bele (2 year MBBS)	2 year MBBS	CSOM with Otomycosis.	Dr. R. Prakash	Microbiology	2016
19.	Ms. Chaitra D.Y (2 year MBBS)	2 year MBBS	Effect of prandial state on thyrotropin levels in pregnancy	Dr. Shivaprasad.KS	Endocrinology and Metabolism	2016
20.	Ms. Leenu Evangeline K (2 year MBBS)	2 year MBBS	Placental Changes Among Preterm Deliveries	Dr. Prema. R	Pediatrics	2016
21	Mr. Abhijit B R	I MBBS	A Study of Non-HDL cholesterol to underline the atherogenic dyslipidemia in patients with newly diagnosed type2 diabetes mellitus	Dr S M R Usha	Biochemistry	2014
22.	Ms. Arpit	II MBBS	Study of prescribing trends and elements of prescription in outpatient Psychiatry department of a Tertiary care hospital	Dr. Meena K N	Pharmacology	2014

EXTERNAL STUDENT RESEARCH PROJECTS

SL. NO	PROJECT TITLE	STUDENT NAME / DEPARTMENTS	GUIDE AND CO- GUIDE	DEPARTMENT	NAME OF THE UNIVERSITY / YEAR	STATUS
1.	Role of Micro RNA's in Osteoclast differentiation and Post – Menopausal osteoporosis	Ashwini Bhat Bioscience & Technology	Dr. Anbazhagan Kolandaswamy	Central Research Lab	VIT, 2021	Completed
2.	Evaluation Of In-vitro Anticancer activity of Medicinal Plant extracts on MCF-7 Cancer cell line	Brinda R Biological Sciences	Dr. S. Prabhakara	Central Research Lab	Bangalore university, 2020	Completed
3.	Phytochemical Analysis, HPLC Analysis And In-vitro Anti-diabetic Activity Of Medicinal plants	Keerthi.N Biological Sciences	Dr. S. Prabhakara	Central Research Lab	Bangalore university, 2020	Completed
4.	Association of Micro RNA in Post – Menopausal osteoporosis among Indian Women	Anoosha Bhat Biological Sciences	Dr. Anbazhagan Kolandaswamy	Central Research Lab	Bangalore university, 2020	Completed
5.	Anticancer effect of Nothapodytes nimmoniana callus extract (Camptothecin) on MCF-7 cells: An In-vitro study	Unaiza Wahid Department of Biotechnology Ramaiah	Dr. S. Prabhakara	Central Research Lab	Ramaiah, RRMCH 2019	Completed
6.	Anticancer effect of Nothapodytes nimmoniana callus extract (Camptothecin) on MCF-7 cells: An In-vitro study	Sneha Paul Department of Biotechnology Ramaiah	Dr. S. Prabhakara	Central Research Lab	Ramaiah, RRMCH 2019	Completed

EXTERNAL STUDENT RESEARCH PROJECTS

SL. NO	PROJECT TITLE	STUDENT NAME / DEPARTMENTS	GUIDE AND CO- GUIDE	DEPARTMENT	NAME OF THE UNIVERSITY / YEAR	STATUS
7	In-Vitro studies on Anti-Inflammatory, Anti-Oxidant and Anti-Cancer Activities from Santalum album Linn	Varsha.M Department of Life Sciences	Dr. S. Prabhakara	Central Research Lab	Bangalore University, RRMCH 2018	Completed
8	In-vitro studies on Anti-diabetic, Anti-inflammatory and Anti-oxidant Activities from Zanthoxylum rhetsa	Pruthvi. K S Department of Life Sciences	Dr. S. Prabhakara	Central Research Lab	Bangalore University, RRMCH 2018	Completed
9	Association of inflammatory cytokines and bone remodeling markers with post menopausal osteoporosis in Indian women	Ashok Kumar. V Department of Life Sciences	Dr. Anbazhagan Kolandaswamy	Central Research Lab	Bangalore University, RRMCH 2018	Completed
10	Screening of PRRT2 Gene mutations for paroxysmal kinesigenic dyskinesia in south Indian population	Mrs. Vanitha Department of Biological Sciences	Dr. S. Prabhakara Dr. Anbazhagan Kolandaswamy	Central Research Lab	Bangalore University, RRMCH 2016	Completed
11	Cardioprotective activity of rubia cordifolia in albino wistar rats	Meghana D L Department of Biological Sciences	Chndrashekar. B. S Dr. S. Prabhakara	Chemistry of Forest Products Division, Central Research Lab	Bangalore University, Institute of Wood Science, RRMCH/ 2015	Completed

List of Internal Funding Projects

Year	PI	Title	Funding agency	Dept	Status	Amount
2022-2023	Dr. S.Prabhakara	Study of circulating plasma miRNAs as novel non-invasive biomarkers for Progressive supranuclear palsy (PSP) in Indian patients".	MGRDU	Central Research Lab[CRL]	Ongoing	1.00 Lakhs
2022-2023	Dr. Anbhazaghan	Development of Congo Red-based diagnostic kit for early prediction of Preeclampsia"	MGRDU	CRL	Ongoing	1.00 Lakhs
2022-2023	Dr. Dwajani.S	Effects of antiepileptic drugs and Vit B12 and Folic acid in children with epilepsy	MGRDU	Pharmacology / CRL	Ongoing	80,000
2022-2023	Dr. Prema R	A prospective hospital-based study of placental changes to identify antenatal and perinatal transmission of SARS-COV 2 infection "	MGRDU	Pediatrics	Ongoing	94,000
2022-2023	Dr. Adarsh E	Role of Salivary C-Reactive protein as non invasive marker in neonatal sepsis"	MGRDU	Pediatrics	Ongoing	1.50 Lakhs
2022-2023	Dr. Vidya GS	Exploring the drivers of vaccine hesitancy for COVID-19 vaccination and factors influencing the same among groups prioritized for COVID-19 vaccination in Bangalore district".	MGRDU	Comm med	Ongoing	75,000
2022-2023	Dr. Archana B	Prevalence and impact of pertusis in patients with COPD exacerbation"	MGRDU	Respiratory Medicine	Ongoing	1.50 Lakhs
2022-2023	Dr. Prathibha K	Evaluation of SARS COV2 specific antibody response pattern in Human Breast Milk - post vaccination	MGRDU	Biochemistry	Ongoing	90,000

Research Projects Applied For External Funding

SL. NO	PROJECT TITLE	FUNDING AGENCY / YEAR	GRANTS Claimed	INVESTIGATORS	DEPARTMENT S	STATUS
1.	Developing novel molecular diagnostics for Progressive Supranuclear Palsy (PSP) by using RT-PCR (Real time PCR).	VGST / 2021-2022	15 lakhs	Dr. S. Prabhakara Dr. Anabazhagan Kolandaswamy	Central Research Lab	Awaited
2.	Non Invasive Biomarker Approach for Early Prediction of Pre-Eclampsia Using Dot Blot Assay For Amyloid Proteins	VGST / 2021-2022	15 lakhs	Dr. Anabazhagan Kolandaswamy Dr. S. Prabhakara	Central Research Lab	Awaited

EXTERNAL STUDENT INTERNSHIP PROGRAMME

SL. NO	STUDENT NAME	DEPARTMENT	NAME OF THE INSTITUTE & UNIVERSITY	NAME OF THE GUIDE & DEPARTMENT	YEAR OF COMPLETION
01.	Ms. Ashwini Y Bhelave	Microbiology	FERGUSSON College (Autonomous) Pune	Dr. K. Anbazhagan Central Research Lab	2021
02.	Ms. Jeevitha. P	Department of Life Sciences	Bangalore University	Dr. S. Prabhakara, Central Research Lab	2020
03.	Ms. Varsha K.R	Department of Biotechnology	Dayananda Sagar University	Dr. S. Prabhakara, Central Research Lab	2019
04.	Ms. Kavitha C	Department of Biotechnology	Dayananda Sagar University	Dr. S. Prabhakara, Central Research Lab	2019

PUBLICATIONS FROM CRL DEPARTMENT

Sl.no	Publication Type	Publication Title	Author-name	Journal Name	Year
1	Research	Effect of Substituents on the Photodynamic Action of Anthraquinones: EPR, Computational and In Vitro Studies	Pandian Sokkar, Anish Babu, Anbazhagan Kolandaswamy, Felsis Angelene Daison, Murugesan Ramachandran.	Photochemistry and Photobiology	2022
2	Research	Congo red dot test in the early prediction and diagnosis of pre-eclampsia in a tertiary health care centre in India	Sailakshmi.M.P.A., Prabhu,M.R.,Prabhakara.S, Anbazhagan, K, Rupakala, B.M	Pregnancy Hypertension	2021
3	Research	PRRT2 Gene mutation in Indian paroxysmal kinesogenic dyskinesia patients	Prabhakara S*, Hanumantha Rao HM, Prashanth L.K, Anbazhagan K, Rochette Jacques, Basanth Kumar Reddy	Ann Indian Acad of Neurol	2021
4	Research	Comparative evaluation of antibacterial effect of gic containing chlorhexidine and miswak on streptococcus mutans and streptococcus sobrinus in early childhood caries children: A pcr study	Kalpavriksha A.J, Siddaiah S.B, Bilichodmath S, Prabhakara S, Hanumantha Rao, H.M.	International Journal of Clinical Pediatric Dentistry	2021
5	Research	Comparative Evaluation Of Antimicrobial Activity Of Propolis, Neem Leaves, Green Tea, Sodium Hypochlorite and Saline as Root Canal Irrigants By Microbial Culturing And Quantification In Chronically Exposed Anterior Primary Teeth	Stiya AV, Shakuntala BS, Nagarathna C, Prabhakara S, Mohan T	International Journal of Medical Science and Current Research	2020
6	Research	A New Method Development and Validation for Estimation of Prednisolone in Pharmaceutical Dosage Formulations by Reverse Phase High Performance Liquid Chromatography	Chikkanna V, Prabhakara S, Hanumantha Rao H.M , Sahajanand H	International Journal of Engineering Development and Research	2020
				International Journal of	

PUBLICATIONS FROM CRL DEPARTMENT

Sl.no	Publication Type	Publication Title	Author-name	Journal Name	Year
8	Research	Sociodemographic, Rationale Drug Use of Antiepileptic Drugs among Pediatric Patients with Epilepsy: A Prospective Study at a Tertiary Care Hospital	S. Dwajani, E. Adarsh, K. S. Nirmala, H. Sahajananda	Journal of neurosciences in rural practice	2019
8	Research	Exploration and comparison of ovarian hormones with anti- Mullerian hormone amongst women with polycystic ovarian Syndrome	Dwajani S, Rupakala BM ,	Open Access Journal of Gynecology	2019
9	Research	Rationale Use of Antiepileptic Drugs In Patients with Epilepsy At A Tertiary Care Hospital.	Dwajani S, Nayanashree, Mrudula, Krishna MV	IP International Journal of Comprehensive and Advanced Pharmacology	2019
10	Research	Importance of medication adherence and factors affecting it. IP International Journal of Comprehensive and Advanced Pharmacology,	Dwajani S, Prabhu MR, Ranjana G, Sahajananda H	International Journal of Comprehensive and Advanced Pharmacology	2018
11	Research	Characterization of Rubia Cordifolia L. root extract and its evaluation of cardioprotective effect in wistar rat model	Chandrashekar BS, Prabhakara S, Mohan T , Shabeer D, Basavaraj Bhandare, Nalini M, Sharmila PS, Meghana DL, Basanth Kumar Reddy, Hanumantha Rao HM, Sahajananda H, Anbazhagan K	Indian Journal of Pharmacology	2018
12	Research	Analgesic use and potential hearing loss: a pharmacovigilance study	Meena K. N, Dwajani S, Nagaraj T. M, Roshan Kumar B. N, Rajiv S.	International Journal of Basic & Clinical Pharmacology	2017
13	Research	Penoscrotal Hypospadias with Bilateral undescended testes (cryptorchidism) in a one year child- A case report	Prabhakara S, V Sreedhar Reddy, Anbazhagan Kolandaswamy, J Vineetha Mercy, Basanth K Reddy	The Journal of Medical Sciences	2017

PUBLICATIONS FROM CRL DEPARTMENT

Sl.no	Publication Type	Publication Title	Author-name	Journal Name	Year
14	Research	A retrospective study of Electroencephalographic (EEG) findings and its interpretation in Adults and children. Indian Journal of Neurosciences	Dwajani S, Karamaradi S Nirmala, Sahajanand H	Indian Journal of Neurosciences	2017
15	Research	To assess the wound healing property of topiramate- excision model in immunosuppressed albino rats	Dwajani S, Abijit B.R, Sahajanand H	ejpmr	2017
16	Research	Diagnostic use of bone biomarkers and drugs affecting bone remodelling	Prabhu M.R, Sahajanand H, Dwajani.S.	Indian Journal of Pharmacy and Pharmacology	2016
17	Research	Development and Validation of New RP-HPLC Method for Quantitative Estimation of Vitamin-D3 in Bulk drug and Pharmaceutical Dosage Form.	Mohan T, Prabhakara S*, Anbazhagan K, Pavithra Krishnan, Basavaraj Bhandare, Sahajanand H	Indian Drugs	2016
18	Research	Effect of Two types of dietary ghee on serum lipid levels in rats	Karamaradi S Nirmala, Bhat Manjula S, Sahajanand H.	J Evolution Med Dent	2016
19	Research	Effects of Levetiracetam and Topiramate on bone health in adults, using bone specific biomarkers	Dwajani.S, GRK.Sarma, Ganapathy Bantwal, Chanda Kulkarni	Medico Research Chronicles	2015

Sl.no	Publication Type	Publication Title	Author-name	Journal Name	Year
20	Research	Effects of intravenously administered Clonidine on Haemodynamics and on Plasma Cortisol level during Laparoscopic Cholecystectomies"	Sahajanda H, Sudheer Rao.	Indian Journal of Anaesthesia	2015
21	Research	Teratogenicity of women with epilepsy on antiepileptic drugs: a prospective and retrospective observational study	Chanda Kulkarni, GRK.Sarma, Dwajani.S, Errol.F, Sheela.CN.	Neurology Asia	2015
22	Research	A New method development and validation for estimation of paracetamol in pharmaceutical dosage form by rp-hplc	Mohan T Prabhakara S , Pavithra Krishnan , Basavaraj Bhandare, Sahajanand H.	Int j pharm pahrm sci	2015
23	Research	Molecular analysis of PRRT2 gene in a case of Paroxysmal kinesigenic dyskinesia patient.	Prabhakara S, Anbazhagan Kolandaswamy.	<i>Ann Indian Acad of Neurol</i>	2014
24	Research	Influence of Antiepileptic Drugs on Haematological and Biochemical parameters in Patients with Epilepsy.	Dwajani.S, Ranjana.G, GRK.Sarma, Chanda Kulkarni.	International Journal of Basic and Clinical Pharmacology	2014

PUBLICATIONS FROM CRL DEPARTMENT

Sl.no	Publication Type	Publication Title	Author-name	Journal Name	Year
25	Research	The sociodemographic, clinical and pharmacotherapy characteristics influencing quality of life in patients with epilepsy – A cross sectional study	Ranjana.G, Dwajani.S , GRK.Sarma, Chanda Kulkarni	Journal of neurosciences in rural practice	2014
26	Research	A New method for Simultaneous estimation of ampicillin sodium and sulbactam sodium in injectable dosage form by reverse phase high performance liquid chromatography	Chikkanna Venkatasamappa, Prabhakara S, Sahajanda H.	IJSID	2014
27	Research	Visual evoked potentials in subjects performing dual tasks,	Prashanth Kumar M, Karamaradi S Nirmala , Shobana Sahajanand, Sahajanda H , Ranganath MD, Sathyamurthy B, Mohamed Nizam Al Deen Shah	Journal of Medical Sciences	2013
28	Research	Need for Molecular Genetic Investigation on patients suffering from paroxysmal dyskinesias Journal of Medical Sciences	Prabhakara S.	Journal of Medical Sciences	2013

GUEST TALKS BY CRL STAFF

SL. NO	DATE	NAME	DEPARTMENT	TOPIC	VENUE	EVENT NAME
1.	30-09-21 & 19-11-2021.	Dr. Prabhakara.S	CRL	Introduction to philosophy; Definition, Nature and Scope, Concept, Branches	Dr. MGR Educational & Research Institute, Chennai	Guest Lecture
2.	03-09-2021 to 05-09-2021	Dr. Anbazahagan K	CRL	Real Time Polymerase Chain Reaction(RT-PCR) and its applications in Research	Dr.A.P.J. Abdul Kalam Central Instrumentation Facility, Jiwaji University, Gwalior (M.P)	Guest Lecture
3.	17-04-2021	Dr. Prabhakara.S	CRL	Advanced Molecular Research work at Central Research Lab	RRMCH	Guest Lecture
4.	01/03/2021	Dr. Prabhakara.S	CRL	Genetic testing and its implications in Medical Diagnosis and Research”	Jnana Jyothi Auditorium, Bangalore City University	National Science Day Celebration
5	24-11-2020.	Dr. Prabhakara.S	CRL	Central Research Lab for Advanced Research work	RRMCH	Orientation and Research Methology Workshop for post graduates (MD students)
6.	25-11-2020	Dr. Prabhakara.S	CRL	’Research activities and External Research funding of RRMCH	WIPRO 3D, Peenya	Scientific Lecture

SL. NO	DATE	NAME	DEPARTMENT	TOPIC	VENUE	EVENT NAME
7.	21-03-2019	Dr. Prabhakara.S	CRL	Application of Molecular Biology and cytogenetic techniques in Medical Research & Diagnosis” Dr. MGR Research Summit	Dr. MGR Educational and Research Institute, Deemed University, Chennai,	Scientific Lecture
8	21-03-2019	Dr. Anbazahagan K	CRL	Role of miRNA in monocyte plasticity	Dr. MGR Educational and Research Institute, Deemed University, Chennai	Scientific Lecture
8.	19-09-2018	Dr. Prabhakara.S	CRL	Applications And Research In Biotechnology	DONBOSCO college, Bangalore	Scientific Lecture
9.	09-02-2018	Dr. Prabhakara.S	CRL	Application of Molecular and Cell Culture Techniques in Medical Research and Diagnosis	Department of Life Science, Bangalore university	Scientific Lecture
10.	16-08-2016	Dr. Prabhakara.S	CRL	Application of PCR, RT-PCR, Nanodrop Spectrophotometer, HPLC, Cobas e-411 autoanalyzer, and BenchMark GX instrument etc., for doing molecular/genetic/ biochemical research work	Smart Class Room, 4 th Floor, RRMCH	CME

CENTRAL RESEARCH LAB TRAINING PROGRAM

SL. NO	DATE	TRAINING PROGRAM	CONDUCTED BY	DEPARTMENT
1.	02-08-2021 to 10-08-2021	Enrichment Training Program to Fresh Postgraduates of (2020-2021 batch) different departments, Rajarajeswari Medical College and Hospital	Dr. Prabhakara .S, Dr. Nirmala. K.S Mr. Hanumanth Rao H.M Mr. Prabhu. M. R	Central Research Lab
2.	21-4-21 to 21-04-2021	Advanced Research work at CRL to Under graduates of RRMCH	Dr. Prabhakara .S, Dr. Nirmala. K.S Mr. Hanumanth Rao H.M Mr. Prabhu. M. R	Central Research Lab
3.	23-11-2020 to 26-11-2020	Research Methodology Work shop	Dr. Prabhakara .S, Dr. Nirmala. K.S Mr. Hanumanth Rao H.M Mr. Prabhu. M. R	Central Research Lab
4.	20-08-2019 to 28-08-2019	Enrichment Training Program to Fresh Postgraduates of (2018-2019 batch) different departments, Rajarajeswari Medical College and Hospital	Dr. Prabhakara .S, Dr. Nirmala. K.S Mr. Hanumanth Rao H.M Mr. Prabhu. M. R	Central Research Lab
5.	24-09-2018 to 03-10 -2018	Enrichment Training Program to Fresh Postgraduates of (2018 -2019 batch) different departments, Rajarajeswari Medical College and Hospital	Dr. Sahajananda.H, Dr. Prabhakara .S, Dr. Nirmala. K.S Mr. Hanumanth Rao H.M Mr. Prabhu. M. R Mr. Nepolian. S Mr. Gowtham Buddha	Central Research Lab
6.	31-10-2017 to 1-11-2017	Hands on Training on instrumentation to Satff and students of ACS Medical College, Chennai.	Dr. Sahajananda.H, Dr. Prabhakara .S, Mr. Hanumanth Rao H.M Mr. Prabhu. M. R	Central Research Lab

SL. NO	DATE	TRAINING PROGRAM	CONDUCTED BY	DEPARTMENT
7.	25-08-2016 to 15-09-2016	Enrichment Training Program to Fresh Postgraduates of (2016 -2017 batch) different departments, Rajarajeswari Medical College and Hospital	Dr. Sahajananda.H, Dr. Prabhakara .S, Dr. Nirmala. K.S Mr. Basanth Kumar R Mr. Mohan. T Mr. Prabhu. M. R Mr. Nepolian. S	Central Research Lab
8.	02-06-2016 to 03-06-2016	Hands on Training Programme to all PG's of Pharmacology Dept., RRMCH on High Performance Liquid Chromatography and Nanodrop Spectrophotometer	Dr. Sahajananda.H, Dr. Prabhakara.S, Mr. Mohan.T	Central Research Lab
9.	21-12-2015 to 30-12-2015	Enrichment Training Program to Fresh Postgraduates of (2014 -2015 batch) different departments, Rajarajeswari Medical College and Hospital	Dr. Sahajananda.H, Dr. Prabhakara.S, Dr. Anbazhagan.K, Dr. Nirmala.K.S, Dr. Dwajani, Mr. Mohan. T, Mr. Prabhu	Central Research Lab
10.	09-10-2014	Enrichment Training Program to Technicians Biochemistry Dept., RRMCH	Dr. Sahajananda.H, Dr. Prabhakara.S, Mr. Chikkanna.V, Dr. Nirmala.K.S, Dr. Manjula S Bhat	Central Research Lab
11.	26-05-2014 to 30-05-2014	Enrichment Training Program to Postgraduates of different departments , Rajarajeswari Dental College and Hospital	Dr. Sahajananda.H, Dr. Prabhakara.S, Mr. Chikkanna.V, Dr. Nirmala.K.S Dr. Manjula S Bhat	Central Research Lab
12.	12-11-2013 to 22-11-2013	Enrichment Training Program to Postgraduates of different departments, RRMCH	Dr. Sahajananda.H, Dr. Prabhakara.S, Mr. Chikkanna.V, Dr. Nirmala.K.S	Central Research Lab

SL. NO	DATE	NAME	DEPARTMENT	TOPIC	VENUE	EVENT NAME
11.	30-01-2015	Dr. Anbazahagan K	CRL	Micro RNA and its role in Rheumatoid arthritis	Smart Class Room, RRMCH	CME-Stem Cell Application in Orthopedics
12.	28-01-2015	Dr. Prabhakara.S	CRL	Application of HPLC in Medicine	Lecture Hall, RRMCH	Workshop on Recent advances in HPLC Methodology in Laboratory Medicine and Research
13.	30-01-2015	Dr. Anbazahagan. K	CRL	Basic science as it pertains to Stem Cell	Smart Class Room, RRMCH	CME-Stem Cell Application in Orthopedics
14.	04-12-2014	Dr. Prabhakara.S	CRL	Application of available Instruments & Future Facilities in CRL, RRMCH for doing Research Work	College Auditorium, RRMCH	CME

WORKSHOPS CONDUCTED BY CRL

SL. NO	DATE	TITLE	CONDUCTED BY	DEPARTMENT
1	28-01-2015 & 29-01-15	Recent advances in	Dr. H. Sahajananda	Central Research
		HPLC	Dr. Prabhakara.S	Lab
		Methodology in	Dr. HV. Shetty	Central Research
		Laboratory	Dr. Basavaraj	Lab Biochemistry
		Medicine and	Bandare	Pharmacology
		Research	Mr. Mohan. T	Central Research
				Lab
2	21/04/2014	Workshop on	Dr. Rajgopalan.N	Orthopedics
		Research	Dr. Prabhakara.S	Central Research
		Methodology		Lab

MOU

- Institute Of Wood Science And Technology
- Melbourne University Australia,
- RAK, United ARB Emirates
- Thyrocare
- ACS College of Engineering
- Dr. H.B Niranjan, Metal Casting
- Rajarajeshwari Dental College
- Dr Srivastsan Biostatician
- STEMPEUTICS, Bangalore
- RRMCH and Dr. Allen
- RRMCH and Institute of Bioinformatics and Applied Biotechnology
- RRMCH, BNM Institute of Technology, Institute of Health Management Research

Awards

Year	Name of teachers who received awards	Title of the Award (s)	State level/National awards	Name of the agency/agencies that gave the award
2018	Dr.S. Prabhakara	Achievement in the Scientific Research	State level	A.S.V.N.V.S, Bangalore, Karnataka
2018	Dr. Anbazhagan K	SERB- Early career award	National Level	DST-SERB- Govt. of India
2017	Dr. H. Sahajanand	Award for medical Excellence	National Level	ISC council New Delhi
2017	Dr. H. Sahajanand	EXEMPLARY services	State level	RajaRajeswari Medical College & Hospital.
2016	Dr.S. Prabhakara	Young Scientist Award	State level	Govt. of Karnataka
2016	Dr. Anbazhagan K	DBT-Ramalingaswamy fellowship	National Level	DBT- Govt. of India

OVERVIEW

Ongoing Projects	21
Completed Projects	12
Extra- mural Projects	20
Collaborative Projects	13
Publications	28
Workshop Conducted	02
Awards	06
Students ICMR projects	23
External student research projects	10
Internal funding research projects	08

FUTURE PLANS

- Stem cell Lab and Regenerative medicine
- Molecular Medicine and Immunology Lab
- Biosafety Level 3 Lab for Infectious Disease.



Thank you