



**VINAYAKA MISSION'S  
RESEARCH FOUNDATION**  
(Deemed to be University under section 3 of the UGC Act 1956)



**VINAYAKA MISSION'S  
SANKARACHARIYAR  
DENTAL COLLEGE**

# RESEARCH PROJECTS



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YEAR	DISSERTATION	SHORT STUDIES
2020	17	11
2021	1	18



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# SHORT STUDIES

(IRC/09072020/S/ - )

DEPT.	NAME	DESG.	STUDY	STATUS	NO.
ORAL PATHOLOGY	DR. RATHI PRIYA. A.	II PG	FLUORIDE LEVEL IN TENDER COCONUTS FROM DIFFERENT BLOCKS OF AN ENDEMICALLY FLUOROSD DISTRICT OF SALEM.	COMPLETED, PUBLISHED	6
ORAL SURGERY	<u>ICMR – STS (UG)</u> 2020 - 06849 MS. P.M. PRIYA BHARATHI <u>GUIDE:</u> DR. REENA RACHEL JOHN, MDS VICE PRINCIPAL (RESEARCH)	III BDS	AWARENESS OF MICROBIAL CONTAMINATION OF THE WHITE COAT AMONG PRECLINICAL DENTAL STUDENTS: A COMPARITIVE CROSS SECTIONAL STUDY.	COMPLETED	1

18.08.2020

(IRC/18082020/S/ - )

DEPT.	NAME	DESG.	STUDY	STATUS	NO.
CONSERVATIVE DENTISTRY & ENDODONTICS	DR. ALLEN ANIL KURIEN	II PG	EVALUATION OF QUANTUM IN TOOTH REMINERALISATION USING A MOLLUSC, AVIAN, AND PLANT-SOURCE OF CALCIUM AGAINST DIFERENT TYPES OF TOOTH REMINERALISING AGENTS.	ONGOING	1
CONSERVATIVE DENTISTRY & ENDODONTICS	DS. S.MITHUNRAJA	II PG	AN INVITRO COMPARITIVE STUDY OF ANTIMICROBIAL EFFICACY OF NYMPHOIDES INDICA AND NYMPHOIDES PELTATA EXTRACTS ON STREPTOCOCCUS MUTANS, LACTOBACILLUS AND ACTINOMYCES VISCOSUS.	COMPLETED	2
PEDIATRIC AND PREVENTIVE DENTISTRY	DR. GARGI MOHANTY	III PG	ASSESSING THE EFFECT OF SALIVARY AMMONIA LEVELS AS A CARIES RISK ASSESSMENT TOOL – A CROSS-SECTIONAL STUDY	COMPLETED	6
PEDIATRIC AND PREVENTIVE DENTISTRY	DR. REENU ELIZABETH ROY  DR. SIVAPRIYA V.	II PG	A COMPARATIVE EVALUATION OF ANTIMICROBIAL EFFEICACY OF HOMEOPATHY TO CONVENTIONAL MEDICINES AGAINST STREPTOCOCCUS MUTANS AND STREPTOCOCCUS SANGUINIS	COMPLETED	7

29.09.2020

(IRC/29092020/S/ - )

DEPT.	NAME	DESG.	STUDY	STATUS	NO.
ORAL MEDICINE	DR. R. SUGANYA	III PG	AWARENESS AMONG DENTAL OUT PATIENTS ABOUT COVID-19 (PANDEMIC).	COMPLETED	2
ORAL MEDICINE	DR.M.J. JEYAVEL	III PG	AWARENESS OF COVID-19 AND PRACTICE MODIFICATION AMONG DENTISTS DURING COVID-19 OUTBREAK.	COMPLETED	3

22.10.2020

(IRC/22102020/S/ - )

DEPT.	NAME	DESG.	STUDY	STATUS	NO.
ORAL SURGERY	DR. KATHIRVEL .G.	I PG	INFLUENCE OF MANDIBULAR ANGLE FRACTURE ON CONDYLAR POSITION THROUGH CLINICAL AND COMPUTED TOMOGRAPHY ASSESSMENT – A PROSPECTIVE STUDY.	ONGOING	1
ORAL SURGERY	DR. KOHILAVANI .K.	I PG	DETECTION OF VISUALLY IMPERCEPTIBLE BLOOD CONTAMINATION IN THE SURGICAL AREA USING LUMINOL AMONG DIFFERENT ORAL SURGICAL PROCEDURES. – AN OBSERVATIONAL STUDY.	ONGOING	2

PROSTHODONTICS	DR. KARISHMA MEMON	I PG	EFFECT OF DISINFECTANT SOLUTIONS ON THE SURFACE ROUGHNESS OF HEAT CURE ACRYLIC RESIN – AN IN VITRO STUDY.	COMPLETED	3
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FRIDAY, 29.01.2021

(IRC/29012021/S/ - )

DEPT.	NAME	DESG.	STUDY	STATUS	NO.
PEDIATRIC & PREVENTIVE DENTISTRY	DR. JENNY.V.J	I PG	ASSESSMENT OF PRIMARY SCHOOL TEACHERS KNOWLEDGE AND ATTITUDE REGARDING TRAUMATIC DENTAL INJURY IN SALEM DISTRICT- A CROSS SECTIONAL STUDY	ONGOING	1
PEDIATRIC & PREVENTIVE DENTISTRY	DR. SIVAPRIYA. V	II PG	EFFECTIVENESS OF VIRTUAL REALITY GLASSES AS A DISTRACTION TECHNIQUE FOR THE MANAGEMENT OF PAIN AND ANXIETY DURING DENTAL EXTRACTION PROCEDURE IN CHILDREN AGED 6-10 YEARS- A RANDOMIZED CONTROLLED TRIAL.	ONGOING	2
PEDIATRIC & PREVENTIVE DENTISTRY	DR. REENU ELIZABETH ROY	II PG	EFFECT OF AROMATHERAPY WITH A COMBINATION OF ROSE, CHAMOMILE AND LEMON ESSENTIAL OILS ON DENTAL ANXIETY AND PAIN IN CHILDREN ON L.A ADMINISTRATION DURING PULP THERAPY – A RANDOMIZED CONTROLLED TRIAL.	ONGOING	3
PEDIATRIC & PREVENTIVE DENTISTRY	DR. STACEY THOMAS	III PG	A COMPARATIVE EVALUATION OF THE USAGE OF CONVENTIONAL RUBBER DAM, OPRADAM AND MINIDAM SYSTEMS IN PEDIATRIC DENTAL PRACTICE – A RANDOMISED CONTROL TRIAL	COMPLETED	4
PEDIATRIC & PREVENTIVE DENTISTRY	DR. GARGI MOHANTY	III PG	A COMPARATIVE EVALUATION OF DOUBLE ANTIBIOTIC PASTE AND FORMOCRESOL AS A PULPOTOMY AGENT – A RANDOMISED CONTROL STUDY	COMPLETED	5
PEDIATRIC & PREVENTIVE DENTISTRY	DR. AARTHI G	I PG	TO ASSESS THE EFFECT OF AWARDS FOR MOTIVATING THE CHILD AFTER DENTAL TREATMENT	ONGOING	6
PERIODONTOLOGY	DR. R.KURINCHI CHELVAN	I PG	COMPARATIVE EVALUATION OF THE PRE PROCEDURAL ANXIETY AND POST OPERATIVE PAIN PERCEPTION FOLLOWING SINGLE VISIT AND TWO VISIT ROOT SURFACE DEBRIDEMENT IN CHRONIC PERIODONTITIS PATIENTS.	COMPLETED	7
ORAL & MAXILLOFACIAL PATHOLOGY AND ORAL MICROBIOLOGY	DR. RAJIV D	I PG	FLUORIDE CONTENT IN VARIOUS TYPES OF TEA USED BY TEA STALLS IN SALEM DISTRICT – AN INVITRO CROSS SECTIONAL STUDY	ONGOING	8
ORAL & MAXILLOFACIAL PATHOLOGY AND ORAL MICROBIOLOGY	DR. R.JAYABALAN	I PG	COMPARATIVE STUDY OF CONVENTIONAL EXFOLIATIVE CYTOLOGY AND CENTRIFUGED LIQUID BASED CYTOLOGY IN NORMAL ORAL MUCOSA, LEUKOPLAKIA AND ORAL SQUAMOUS CELL CARCINOMA PATIENTS.	ONGOING	9

FRIDAY, 26.02.2021

(IRC/26022021/S/ - )

DEPT.	NAME	DESG.	STUDY	STATUS	NO.
PERIODONTICS	DR. D. VANATHY	I PG	EFFECT OF SUBGINGIVAL IRRIGATION OF OZONATED OLIVE OIL AS AN ADJUNCT TO SCALING AND ROOT PLANNING IN CHRONIC PERIODONTITIS PATIENTS.	RE-PRESENT	1

FRIDAY, 26.03.2021

(IRC/26032021/S/ - )

DEPT.	NAME	DESG.	STUDY	STATUS	NO.
PERIODONTICS	DR. D. VANATHY	I PG	COMPARITIVE EVALUATION OF THE EFFICACY OF SUBGINGIVAL IRRIGATION WITH OZONATED OLIVE OIL AND GINGELLY OIL AS AN ADJUNCT TO SCALING AND ROOT PLANING IN CHRONIC PERIODONTITIS PATIENTS.	ONGOING	1

FRIDAY, 28.05.2021

(IRC/28052021/S/ - )

DEPT.	NAME	DESG.	STUDY	STATUS	NO.
ORAL MEDICINE	DR. N. S. ARUN VIGGNES	I PG	COMPARATIVE STUDY OF MICRONUCLEI IN BUCCAL SMEAR OF TOBACCO SMOKERS, TOBACCO CHEWERS AND HEALTHY INDIVIDUALS USING EXFOLIATIVE CYTOLOGY WITH H&E AND PAPANICOLAOU STAINS.	ONGOING	1
ORAL MEDICINE	DR. G. S. SASTI PRIYA	I PG	THE RELATIONSHIP IN THE POSITION AND DISTANCE OF THE ROOTS OF THE FIRST AND SECOND MAXILLARY MOLARS AND THE FLOOR OF THE MAXILLARY SINUS USING CBCT - RETROSPECTIVE STUDY.	ONGOING	2

FRIDAY, 23.07.2021

(IRC/23072021/S/ - )

DEPT.	NAME	DESG.	STUDY	STATUS	NO.
CONSERVATIVE DENTISTRY AND ENDODONTICS	DR. AISHWARYA SANTOSH	I PG	AN INVITRO COMPARATIVE STUDY, EVALUATING THE QUANTUM OF TOOTH REMINERALISATION AMONG TWO DIFFERENT MARINE ALGAE	ONGOING	1
CONSERVATIVE DENTISTRY AND ENDODONTICS	DR. SURESH	I PG	EFFICACY OF PHYTO-DEPROTEINISING AGENT IN REDUCING FRAGILITY ZONE FORMATION AND NANOLEAKAGE AT TOOTH-COMPOSITE RESIN RESTORATION INTERFACES – AN INVITRO COMPARATIVE STUDY.	ONGOING	2
CONSERVATIVE DENTISTRY AND ENDODONTICS	DR. K. VISHNU PRASAD	I PG	FINITE ELEMENTAL ANALYSIS OF STRESS DISTRIBUTION IN NITI ROTARY SINGLE FILE SYSTEM TREATED WITH CRYOTHERAPY- AN INVITRO COMPARITIVE STUDY.	ONGOING	3

TUESDAY, 10.08.2021

(IRC/10082021/S/ - )

DEPT.	NAME	DESG.	STUDY	STATUS	NO.
ORAL MEDICINE & RADIOLOGY	DR. MOHITAN .S.	II PG	A RETROSPECTIVE QUESTIONNAIRE BASED STUDY ON THE IMPACT OF COVID-19 VACCINE IN MUCORMYCOSIS AFFECTED PATIENTS.	ONGOING	1

FRIDAY, 24.09.2021

(IRC/24092021/S/ - )

DEPT.	NAME	DESG.	STUDY	STATUS	NO.
PUBLIC HEALTH DENTISTRY	DR. M. PRABAVATHI DR. ADITI CHATTARAJ  GUIDE: DR. K. PRIYA DEEPA LAKSHMI. MDS	INTERN	KNOWLEDGE REGARDING MUCORMYCOSIS AND ITS MANAGEMENT AMONG A COHORT OF DENTAL STUDENTS - A CROSS SECTIONAL SURVEY.	ONGOING	1



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# DISSERTATION

**BATCH - 2020 – 23**

**29.09.2020**

**(IRC/29092020/T/-)**

<b>DEPT.</b>	<b>NAME</b>	<b>DESG.</b>	<b>STUDY</b>	<b>STATUS</b>	<b>NO.</b>
PERIODONTOLOGY	DR.R.KURINCHI CHELVAN	I PG	EVALUATION OF THE EFFICACY OF CURCUMIN GEL AS AN ADJUNCT TO SCALING AND ROOT PLANING IN THE TREATMENT OF CHRONIC PERIODONTITIS: A CLINICO-BIOCHEMICAL STUDY.	ONGOING	4
PERIODONTOLOGY	DR. D. VANATHY	I PG	EVALUATING THE SERUM LEVEL OF ENDOTHELIN-1 AND LIPID PROFILE IN CHRONIC PERIODONTITIS PATIENTS- BEFORE AND AFTER PERIODONTAL THERAPY.	ONGOING	5

**05,06.11.2020**

**(IRC/0506112020/T/-)**

<b>DEPT.</b>	<b>NAME</b>	<b>DESG.</b>	<b>STUDY</b>	<b>STATUS</b>	<b>NO.</b>
ENDODONTICS & CONSERVATIVE DENTISTRY	DR. S. SURESH	I PG	EFFICACY OF DIFFERENT PHYTO-DEPROTEINISING AGENTS IN REDUCING FRAGILITY ZONE FORMATION AND NANOLEAKAGE AT TOOTH- RESTORATIVE INTERFACES,AN INVITRO COMPARATIVE STUDY.	ONGOING	1
ENDODONTICS & CONSERVATIVE DENTISTRY	DR. K. VISHNU PRASAD	I PG	FINITE ELEMENTAL ANALYSIS OF STRESS DISTRIBUTION IN NITI ROTARY SINGLE FILE SYSTEM TREATED WITH CRYOTHERAPY- AN INVITRO COMPARITIVE STUDY.	ONGOING	2



ENDODONTICS & CONSERVATIVE DENTISTRY	DR. AISHWARYA SANTOSH	I PG	AN INVITRO COMPARATIVE STUDY, EVALUATING QUANTUM OF TOOTH REMINERALIZATION FROM DIFFERENT MARINE ALGAE.	ONGOING	3
ORAL MEDICINE	DR. N. S. ARUN VIGGNESS	I PG	EVALUATION OF SALIVARY MMP-2 AND MMP-13 LEVELS IN PATIENTS WITH ORAL CANCER, SMOKERS AND HEALTHY INDIVIDUALS.	ONGOING	10
ORAL MEDICINE	DR. G.S.SASTI PRIYA	I PG	THE ROLE OF NEUTROPHILS-TO-LYMPHOCYTES RATIO (NLR), LYMPHOCYTES-TO-MONOCYTES RATIO (LMR), PLATELETS-TO-LYMPHOCYTES RATIO (PLR) IN ORAL CANCER AND ACUTE DENTAL INFECTION.	ONGOING	11
ORAL MEDICINE	DR. S. MOHITHAN	I PG	ESTIMATION OF SALIVARY AND SERUM LACTATE DEHYDROGENASE (LDH) LEVELS IN PATIENTS WITH ORAL CANCER, ORAL POTENTIAL MALIGNANT DISORDERS, TOBACCO USERS AND HEALTHY INDIVIDUALS.	ONGOING	12
ORTHODONTICS	DR V. MAHESH KUMAR	I PG	EVALUATION OF BIOMECHANICAL RESPONSE OF MAXILLARY ANTERIOR TEETH DURING RETRACTION USING VARIABLE POWER ARM AND MICRO IMPLANTS-FEM STUDY.	ONGOING	4
ORTHODONTICS	DR .G. NARAYANAN	I PG	EVALUATION OF SHEAR BOND STRENGTH OF ORTHODONTIC BRACKETS HAVING DIFFERENT BRACKET BASES BONDED TO COMPOSITE RESTORED TEETH; AN IN VITRO STUDY.	ONGOING	5
ORAL PATHOLOGY	DR. RAJIV .D.	I PG	IMMUNOHISTOLOGICAL EXPRESSION OF COX-2 IN DIFFERENT HISTOPATHOLOGICAL GRADES OF ORAL SQUAMOUS CELL CARCINOMA.	ONGOING	6
ORAL PATHOLOGY	DR. R. JAYABALAN	I PG	EXPRESSION OF MMP-9 IN DIFFERENT ODONTOGENIC CYSTS AND ODONTOGENIC TUMOURS – A COMPARATIVE IMMUNOHISTOCHEMICAL STUDY.	ONGOING	7
PEDODONTICS	DR. AARTHI GANESHAMOORTHY	I PG	CLINICAL AND RADIOGRAPHIC EVALUATION OF NEEM EXTRACT AS AN IRRIGANT AND ENDOFLAS CURCUMIN MIXTURE AS AN OBTURATING ROOTCANAL FILLING MATERIAL IN PRIMARY TEETH - AN IN VIVO STUDY.	ONGOING	8
PEDODONTICS	DR. JENNY.V.J	I PG	A COMPARATIVE EVALUATION OF CLINICAL SUCCESS IN HYDROPHOBIC AND HYDROPHILIC PIT AND FISSURE SEALANTS - AN IN VIVO STUDY.	ONGOING	9

17.11.2020

(IRC/17112020/T/-)

DEPT.	NAME	DESG.	STUDY	STATUS	NO.
ORAL SURGERY	DR. KOHILAVANI .K	I PG	COMPARISON OF TREATMENT OUTCOME BETWEEN TITANIUM LAG SCREW AND TITANIUM MINI-PLATE IN ANTERIOR MANDIBULAR FRACTURES – A RANDOMISED PROSPECTIVE STUDY.	ONGOING	1
ORAL SURGERY	DR. KATHIRVEL .G.	I PG	COMPARISON OF ACCURACY OF IMMEDIATE IMPLANT PLACEMENT BETWEEN PLANNED AND ACTUAL POSITION IN PRE-EXTRACTIVE VERSUS CONVENTIONAL METHOD - A PROSPECTIVE STUDY	ONGOING	2
PROSTHODONTICS	DR. KARISHMA MEMON	I PG	CLINICAL AND RADIOGRAPHICAL EVALUATION OF TISSUE AND CRESTAL CONE CHANGES AROUND SINGLE PIECE AND TWO STAGE IMPLANTS WITH GUIDED SURGICAL STENT USING FLAPLESS TECHNIQUE – AN INVIVO STUDY.	ONGOING	3

29.01.2021

(IRC/29012021/T/10)

DEPT.	NAME	DESG.	STUDY	STATUS	NO.
PROSTHODONTICS	DR. DHRUMIL MANEK	I PG	EVALUATION OF OCCLUSAL PRESSURE VARIATION ON SINGLE POSTERIOR IMPLANT SUPPORTED FIXED PROSTHESIS USING PRESSCALE 2 – A PROSPECTIVE FOLLOW UP STUDY.	ONGOING	10