

# POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

## DEPARTMENT OF ORTHODONTICS

YEAR OF RESEARCH	NAME OF STUDENT	NAME OF MENTOR	TOPIC OF RESEARCH
2011	Dr. Sujith B	Dr. Madhav Manoj K (Guide) Dr. Nirmala Menon (Scientist NIST) (Co Guide)	Comparative evaluation of bis phenol-A release from chemically cured and visible light cured adhesives in Orthodontic bonding- A clinical study
2011	Dr. Shahin Kabeer	Dr. Roopesh. R	Evaluation of efficacy of two methods for removal of residual resin after debonding
2011	Dr. Binu Sidhardhan	Dr. Roopesh.R	Evaluation of index of complexity, outcome and need (ICON) based on the perceptions of orthodontic Specialists in Trivandrum population
2012	Dr. Vishnu Sajayakumar	Dr. Deepu Leander (Professor) Dr. Roopesh R	Assessment of safety zone for placement of mini-implant maxillary anchorage in the Kerala population

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2012	Dr. Bijitha P. Nair	Dr. Roopesh R	Comparative evaluation of morphological anomalies of cervical vertebral column in pre orthodontic patients with bimaxillary protrusion, skeletal class I and class I
2012	Dr. Sanal KM	Dr. Madhav Manoj K	An appraisal of stress patterns and changes in position of maxillary anteriors during intrusion with mini implants: A finite element analysis
2013	Dr Lise Rose Tom	Dr Madhav Manoj	Comparative evaluation of shear bond strength of orthodontics brackets to enamel by laser etching at different power setting trichloroacetic acid and conventional etching - An invitro study.
2013	Dr Aasmi Shajahan	Dr Deepu Leander	Comparative evaluation of the efficacy of three methods of prevention of enamel demineralization adjacent to orthodontics brackets - An invitro study.

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2013	Dr Rasha Nasim	Dr Roopesh R	A cross - sectional study to establish soft tissue cephalometric norms for orthognathic surgery in Kerala population.
2014	Dr A A Mohammed Ameen	Dr Madhav Manoj	A Comparison of Various Soft Tissue Parameters in Adult Patients with Different Mandibular Divergence Patterns
2014	Dr Alexander K A	Dr Roopesh R	Efficacy Of Low Intensity Laser Therapy in Accelerating Tooth Movement and Reducing Orthodontic Pain A Clinical Study
2014	Dr Jicky Rajan	Dr Roopesh R	Effect of chitosan on the shear bond strength of orthodontics brackets - An invitro study.
2015	Dr. Jishnu Sajayakumar	Dr. Roopesh.R	Assessment of safety zone for placement of mini implant maxillary anchorage in Kerala population
2015	Dr. Nabeel Sajudeen	Dr.Roopesh .R	Co-relation of peri-oral soft tissue with skeletal and dental pattern in skeletal class 2 and division 1 in south kerala population- A lateral cephalometric study

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2015	Dr. Soorya R A	Dr.Madhav Manoj	Evaluation of effect of micro - osteoperforation in accelerating tooth movement- An invitro study
2016	Dr. Feba Varghese	Dr. Roopesh.R	Comparison of 810nm and 980nm wavelengths of laser in reducing orthodontic pain -An invitro study
2016	Dr. Shilpa George P Thomas	Dr. Roopesh.R	Establishment of norms for beta angle to assess sagittal discrepancy in Kerala population
2016	Dr. Tara V Avirachan	Dr.Deepu Leander	Comparative evaluation of alkaline phosphatases in gingival crevicular fluid with hand wrist X-rays for timing pubertal growth spurt
2017	Dr. Ahalya Venugopal	Dr. Roopesh.R	Estimation of aspartate aminotransferase activity in gingival crevicular fluid during orthodontic tooth movement: An in-vivo study
2017	Dr. Krishna A	Dr. Roopesh.R	Estimation of the level of cathepsin B in gingival crevicular

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			fluid during orthodontic tooth movement: An in in-vivo study
2017	Dr. Neethu A M	Dr.Deepu Leander	Comparative evaluation of shear bond strength of orthodontic brackets bonded with high intensity light emitting diode, standard light emitting diode and halogen light- An in vitro study
2017	Dr. Sonu M Mohan	Dr.Deepu Leander	Evaluation and establishment of norms for facial index in Kerala population
2017	Dr. Veena Sreekumar	Dr.Madhav Manoj	Comparison of staining and interrelationship of ligature topography among two esthetic orthodontic ligatures on exposure to dietary media: An in-vivo study
2018	Dr. Athira R Babu	Dr. Roopesh.R	Comparative evaluation of airway volume between class I and class III malocclusion -A CBCT study

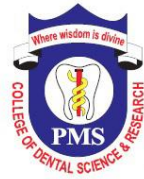
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2018	Dr. Geethu Gopan	Dr. Roopesh.R	Comparative evaluation of tongue volume between class I and class III individuals -A CBCT study
2018	Dr. Neethu Prasad M	Dr.Deepu Leander	A comparative evaluation in assessing the location of maxillary impacted canines between orthopantomogram and CBCT
2018	Dr. Pratheesh A P	Dr.Deepu Leander	A comparative evaluation of midpalatal suture ossification between CBCT and occlusal radiograph
2018	Dr. Reshma P G	Dr.Madhav Manoj	Comparative evaluation of condyle position between skeletal class III and class I cases. A CBCT study
2019	Dr. Chinchu Anna John	Dr. Roopesh R	Evaluation of the depth of curve of spee in class I class II and class III malocclusion groups
2019	Dr. Ranjana Ravindran	Dr. Deepu Leander	A comparative evaluation of mechanical properties of two archwire materials

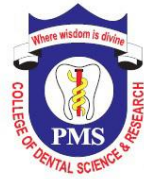
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2019	Dr. Dynamol S	Dr. Roopesh R	A comparative evaluation of infrazygomatic crest bone depth at different angulations for miniscrew insertion in Kerala population
2019	Dr. Geethu Sunil Divakaran	Dr. Deepu Leander	A comparative evaluation of different anatomical sites of mandibular buccal shelf for miniscrew insertion in Kerala population
2019	Dr. Sneha R Ismail	Dr. Madhav Manoj	A comparative evaluation of frictional characteristics of two archwire materials

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## DEPARTMENT OF PERIODONTICS

YEAR OF RESEARCH	NAME OF STUDENT	NAME OF MENTOR	TOPIC OF RESEARCH
2010	Dr Harikrishnan	Dr Ambili R	Academic stress, cortisol and periodontal health among dental students – A correlation study
2010	Dr Anoop	Dr Seba Abraham	Comparative evaluation of coronally advanced flap with PRF versus sub epithelial connective tissue graft in the treatment of gingival recession with quasi experimental design
2011	Dr Nuthen Mathew	Dr Ambili R	Estimation of lipid peroxidation by products and non-enzymatic antioxidants in saliva of chronic periodontitis patients before and after phase I periodontal therapy
2011	Dr Deepak KT	Dr Seba Abraham	A comparative evaluation of efficacy of clarithromycin versus amoxicillin – metronidazole



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			combination as an adjunct to scaling and root planning in chronic generalized periodontitis – A randomized controlled clinical trial
2012	Dr Anu	Dr Seba Abraham	The comparative effect of in-situ application of simvastatin gel with PRF and PRF alone in the surgical management of osseous defects in chronic periodontitis: A randomized controlled trial
2012	Dr Athira	Dr Ambili R	Evaluation of the efficacy of green tea catechin gel local drug delivery in the management of chronic periodontitis-A randomized clinical trial
2013	Dr Aparna M Nair	Dr Seba Abraham	Estimation of levels of non-enzymatic antioxidants in saliva of chronic periodontitis patients with type 2 diabetes mellitus before and after phase I periodontal therapy - A prospective follow up study
2013	Dr Shabna SM	Dr Ambili R	Expression of NF-kB (p65) in periodontally diseased tissues of

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			type II diabetic and non-diabetic patients - A comparative study
2014	Dr Greeshma Saseendhran	Dr Seba Abraham	Comparative evaluation of salivary visfatin levels in healthy and periodontally diseased patients before and after scaling and root planning.
2014	Dr Nisha S Rajan	Dr Ambili R	Expression of interleukin -33 mRNA in healthy and periodontally diseased gingiva - A comparative study.
2015	Dr. Dhanya B N	Dr.Seba Abraham	A comparative study of salivary interleukin 35 level in chronic periodontitis patients with uncontrolled diabetes mellitus versus healthy individuals
2015	Dr.Laljyothi S	Dr.Ambili.R	Estimation of procalcitonin levels before and after scaling and root planing in chronic periodontitis patients- A comparative study
2016	Dr. Arya Premnath	Dr. Seba Abraham	Expression of IL35 mRNA in gingiva of chronic periodontitis patients with and without type II diabetes: A comparative study

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2016	Dr. Nithin Markose Reji	Dr. Seba Abraham	Surgical management of multiple gingival recession with and without surgical loupe-A comparative study
2016	Dr. Seniya K M	Dr. Ambili.R	Estimation of salivary glycated albumin levels in chronic periodontitis patients with and without type II diabetes, before & after nonsurgical periodontal therapy
2016	Dr. Shabnas N S	Dr. Ambili.R	Estimation of interleukin -33 in saliva of chronic generalized periodontitis patients and periodontally healthy individuals: A comparative study
2016	Dr. Sharon J Thomas	Dr. Arunima P R	Evaluation of peptidyl arginine deiminase 4 levels in serum of chronic periodontitis patients with and without type II diabetes
2017	Dr. Bhagyalekshmi M	Dr. Seba Abraham	Effect of smoking and periodontal diseases on salivary glycoconjugates and oxidative stress markers - A comparative study

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2017	Dr. Kavya P R	Dr. Seba Abraham	Cytomorphological evaluation of periodontal pocket in patients with and without tobacco habits: A cross sectional study
2017	Dr. Niyas Bin Nazimudeen	Dr. Ambili.R	Evaluation of the efficacy of a probiotic as an adjunct to scaling and root planing in the treatment of periodontitis: A randomized controlled trial
2017	Dr. Sruthy Madhusudanan	Dr. Ambili.R	Comparative evaluation of treatment of infrabony defects with platelet rich fibrin alone or in combination with biphasic calcium phosphate bone graft: A randomized controlled clinical trial
2017	Dr. Shwetha Radhakrishnan	Dr. Arunima P R	Comparative evaluation of low-density lipoprotein subclass distribution in serum of healthy and chronic periodontitis patients
2018	Dr. Devika G	Dr. Seba Abraham	Clinical and radiographic evaluation of advanced platelet rich fibrin alone or in combination with bovine porous bone mineral graft in the treatment of grade II

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			mandibular furcation defect: A randomized controlled clinical trial
2018	Dr. Faiza Moideen	Dr. Seba Abraham	Efficacy of indocyanine green mediated antimicrobial photodynamic therapy in chronic periodontitis: A clinico microbiological study
2018	Dr. Niranjana J Mohan	Dr. Ambili.R	Effect of irrigation with ozonized water during hand scaling in management of periodontitis- A randomised controlled clinical trial
2018	Dr. Resmi P G	Dr. Ambili.R	Estimation of serum vitamin D3 in periodontally healthy and diseased individuals: A case control study
2018	Dr. Sreelakshmi C	Dr. Arunima P R	Comparative evaluation of HDL subclass and HDL associated paraoxonase-1 levels in patients with and without periodontitis
2019	Dr.Manasa Budhan	Dr Ambili R	Efficacy Of Injectable Platelet-rich Fibrin (i-PRF) In Increasing the Gingival Thickness: A Split Mouth Randomised Controlled Clinical Trial

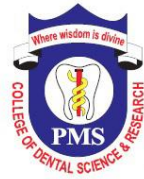
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2019	Dr.Akshara A S	Dr Arunima P R	Comparative Evaluation of Antimicrobial Activity of Different Types of Platelet - Rich Fibrin On Porphyromonas Gingivalis
2019	Dr.Nishana	Dr Arunima P R	Expression Of Sirtuin 1 mRNA In Gingival Tissue of Chronic Periodontitis Patients with And Without Type II Diabetes Mellitus and Healthy Subjects: A Comparative Study
2019	Dr.Arun K	Dr Reeja Mol M K	Comparative Evaluation of Peri-Implant Soft Tissue Changes in Patients with And Without Prediabetes

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## DEPARTMENT OF PEDODONTICS

YEAR OF RESEARCH	NAME OF STUDENT	NAME OF MENTOR	TOPIC OF RESEARCH
2011	Dr. Divya Bhadran	Dr. Sageena George	Comparative evaluation of coronal microleakage of four commercially available pit and fissure sealants on Permanent teeth - An in -vitro study
2011	Dr Reshmi J	Dr Anandaraj S	Evaluation of the association of oral stereognosis with malocclusion and oral hygiene status of children- A cross sectional study
2011	Dr. Malu L Madhu	Dr Sageena George	Comparative evaluation of oral hygiene status and practices in children between 4-15 years with hearing impairment before and after oral health education
2012	Dr. Neeha Das	Dr Anandaraj S	Comparative evaluation of mineral trioxide aggregate and biodentine'M in pulpotomized primary mandibular molars - An in vivo study

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2012	Dr. Maneesha.R	Dr. Sageena George	Comparative evaluation of microhardness and fluoride release in primary enamel treated with acidulated phosphate fluoride gel alone and in combination with diode laser (810 nm) - an in vitro study
2013	Dr Nikhil M Shanavas	Dr Sageena George	Prevalence of early childhood caries and its associated risk factors in preschool children in Kerala
2013	Dr Mathew	Dr Anandraj S	Comparative evaluation of hair, fingernails and toenails as biomarkers of fluoride exposure: A cross sectional study.
2013	Dr Gayathri Krishnan	Dr Sageena George	Efficacy of for different remineralising agents on primary teeth: A comparative evaluation using micro hardness testing and quantitative light induced fluorescence - An in vitro study.
2014	Dr Aswathy K Vijayan	Dr Sageena George	A diagnostic test evaluation in vitro samples to find out the diagnostic accuracy of conventional film and storage phosphor plate with direct measurement by stereomicroscope as gold standard in detecting proximal caries



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2014	Dr Jeena Varghese	Dr Sageena George	Comparative evaluation of canal centering ability and remaining dentin thickness with manual files and different rotary systems in primary teeth using micro computed tomography - An invitro study.
2014	Dr Vinny Venugopal	Dr Anandraj S	Impact of oral hygiene instructions and oral prophylaxis in institutionalized patients.
2015	Dr. M S Fahanna Beegum	Dr.Sajeena George	Comparative evaluation of diffused calcium and hydroxyl ion release from three different indirect pulp capping agents in permanent teeth- An invitro study
2015	Dr.Karthika S	Dr.Sajeena George	Analysis of salivary proteinase 3 as a biomarker for caries severity in children -A cross sectional study
2015	Dr. Lekshmy S R Nair	Dr.Anandaraj.S	Comparative evaluation of antimicrobial efficacies of 0.2% chlorhexidine and 4%tulsi extract in the decontamination of child toothbrushes- An observational analytical study

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2016	Dr. Anju S Raj	Dr.Sajeena George	Efficacy of 0.1% octenidine hydrochloride and 0. 12% chlorhexidine gluconate mouth rinses on plaque control and oxidative stress in institutionalized downs syndrome children: A comparative analytical study
2016	Dr.Arjun Sreenivas	Dr.Sajeena George	A comparative evaluation of two mixed dentition space analysis in Kerala population
2016	Dr. Teena Haneef	Dr.Anandaraj S	Comparative evaluation of fluoride release, recharge and microleakage of glass ionomer cement, bioactive restorative material and glass ionomer-An invitro study
2017	Dr. Aswathy Raju	Dr.Sajeena George	Comparative evaluation of penetration depth of resin infiltrant following surface pretreatment with three different etchants - An invitro study
2017	Dr. Gadha Rajendran	Dr.Sajeena George	Comparative evaluation of cleaning efficacy and quality of obturation following the use of manual and rotary file systems in primary mandibular molars- An invitro study

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2017	Dr. Greeshma S G	Dr.Anandaraj S	Comparative evaluation of the efficacy of virtual reality distraction audio distraction and tell show do techniques in reducing the anxiety level of pediatric dental patients
2017	Dr. Noufila Mol	Dr.Anandaraj S	Comparative evaluation of shear bond strength and microleakage of conventional zirconia - reinforced and silver reinforced glass ionomer cements in primary teeth- An invitro study
2017	Dr. Veronica Rose Puthenpurackal	Dr. Jyothi Sumi Issac	Prevalence of traumatic dental injuries to anterior teeth and associated risk factors and associated risk factors among 7-12-year-old school children in Thiruvananthapuram district - A cross sectional study
2018	Dr. Amanda Rosy Roney	Dr.Sajeena George	Clinical evaluation of two bulk fill composites and one posterior glass ionomer cement in class II lesions in primary
2018	Dr. Dency Carmel	Dr.Sajeena George	Comparative evaluation of anti-bacterial efficacy, remineralization potential and reduction in the degree of discoloration of silver diamine fluoride after the application of various reducing agents: An invitro study

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2018	Dr. Lavanya S	Dr.Anandaraj S	Comparative evaluation of remineralization potential of different fluoride varnishes on artificial enamel caries in primary teeth-An invitro study
2018	Dr. Shibi Saleem	Dr.Anandaraj S	Comparative evaluation of the cariogenic potential of various sweetening additives in a commonly used homemade infant weaning food: An invitro study
2018	Dr. Sujith Kumar J S	Dr. Jyothi Sumi Issac	Comparative evaluation of the disinfectant ability of silver diamine fluoride, chlorhexidine, chlorhexidine incorporated glass ionomer cement on residual cariogenic bacteria in interim therapeutic restoration - An in vivo study
2019	Dr.Hanan. M	Dr.Anandaraj S	Comparative Evaluation of Color Matching and Esthetics of Universal Sculptable Composite and Single Shade Universal Composite in Natural Teeth Based on Visual Evaluation and Digital Photography: An In Vivo Study
2019	Dr.Jeny Miriam Varghese	Dr.Anandaraj S	Comparative Evaluation of Local Infiltration, Single Tooth Anaesthesia and Needle Less Pressure Syringe in Reducing the Anxiety Level and Assessing Pain Perception in Pediatric Dental Patients: An In Vivo Study

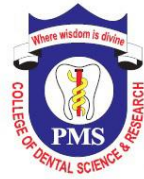
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2019	Dr.Karthika.A	Dr.Deepak Jose	Comparative evaluation of microleakage between mineral trioxide aggregate and bioceramic material in simulated apexification: an invitro study
2019	Dr.Ammu Shiva Lekshmi S S	Dr.Sajeena George	Prevalence, knowledge, attitude and practice regarding sports related dental injuries among 10 - 16-year-old students from government sports schools in trivandrum district: a cross sectional descriptive study
2019	Dr.Devika R. D	Dr.Sajeena George	Comparative evaluation of effectiveness of sodium fluoride varnish and silver diamine fluoride in preventing and arresting dental caries in differently abled children – an in vivo study

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**PMS COLLEGE**  
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**DENTAL SCIENCE & RESEARCH**

## DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

YEAR OF RESEARCH	NAME OF STUDENT	NAME OF MENTOR	TOPIC OF RESEARCH
2011	Dr Devi Gopakumar	Dr (Capt) Vivek	Efficacy of topical aloe vera in the treatment of oral lichen planus: A clinical trial with quasi experimental design
2011	Dr Ramesh S	Dr Sunila Thomas	A descriptive study on autofluorescence spectroscopic patterns in oral lichen planus
2011	Dr Nithin	Dr (Capt) Vivek	Efficacy of topical tacrolimus in the treatment of oral lichen planus: A clinical trial with quasi experimental design
2012	Dr Anish N	Dr (Capt) Vivek V	The effect of topical amlexanox in the treatment of oral lichen planus: A trial using experimental design

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2012	Dr Shijith Malayil	Dr Sunila Thomas	Correlation between blood glucose and salivary glucose levels in type II diabetic patients
2012	Dr Preeja Premkumar	Dr (Capt) Vivek V	Comparison of the number of mandibular nutrient canals in hypertensive and non-hypertensive patients: A radiographic study
2013	Dr Shiana Jo	Dr (Capt) Vivek V	Tooth coronal index a comparative study utilising IOPA and OPG
2013	Dr Benila Mathew	Dr Sunila Thomas	Carotid artery calcifications among smokers and non-smokers: A comparative study using panoramic digital dental radiograph
2013	Dr Aswathy K Vijayan	Dr (Capt) Vivek	A diagnostic test evaluation in invitro samples to find out the diagnostic accuracy of conventional film and storage phosphor plate with direct measurement by stereomicroscope

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			as gold standard in detecting proximal caries.
2014	Dr Deena C Thomas	Dr (Capt) Vivek	Comparison of the length of styloid process in panoramic radiographs to CT as the gold standard.
2014	Dr Salini G S	Dr Sunila Thomas	Correlation of chronological age to estimated ages using fishman's skeletal maturity index, cervical vertebral maturity index and demerjian's method.
2014	Dr Cucoo Mariam Mathew	Dr (Capt) Vivek	Detection of osteopenia in the elderly using three mandibular radio morphometrics indices: A hospital based cross - sectional study.
2015	Dr. Shabna Fathima	Dr.Vivek.V	Comparison of chronological age to age estimated by measurement of open apices of seven left permanent mandibular teeth in children between 10 and 15 years



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2016	Dr. Anjali Subramony	Dr.Vivek.V	Evaluation of pharyngeal airway using lateral cephalogram and CBCT imaging in TMD patients
2016	Dr. Soumya R Potti	Dr.Vivek.V	Comparison of condylar position in patients with myogenic and arthrogenic pain in temporomandibular joint using panoramic radiograph
2016	Dr. Sruthy C S	Dr.Sunila Thomas	Comparison of vertical condylar asymmetry measurements in panoramic radiograph and CBCT of patients with myogenous and arthrogenous TMJ pain
2017	Dr. Greeshma Merin Mathews	Dr.Vivek.V	Effect of field of view on equivalent dose to the eyelines in dental cone beam computed tomography
2017	Dr. Saranya B L	Dr.Sunila Thomas	Effect of field of view on effective dose to the thyroid gland in dental cone beam computed tomography

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2018	Dr. Archana Menon R	Dr.Vivek.V	Evaluation of posterior superior artery using cone beam computed tomography
2018	Dr. Kumar M R	Dr.Vivek.V	Comparative evaluation of oral hard and soft tissue parameters for human identification-A study among identical twins
2019	Dr.ASIYA VAHAB	Dr.Capt Vivek V	Comparison Of the Accuracy of Anatomical Midsagittal Plane in Cone Beam Computed Tomography to That Obtained Using Standard Postero Anterior Cephalometry
2019	Dr.Bharath Mohan	Dr.Capt Vivek V	Evaluation Of Salivary Cortisol as An Indicator of Stress in Patients Diagnosed with Oral Lichen Planus – A Case-control Study
2019	Dr.Manisha Shaji	Dr.Sunila Thomas	Comparison Of Chronological Age to Age Estimated Using Permanent Canine Pulp Volume in CBCT

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## DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY

YEAR OF RESEARCH	NAME OF STUDENT	NAME OF MENTOR	TOPIC OF RESEARCH
2011	Dr. Deepa A. G	Dr. Bindu J Nair	Immunohistochemical expression of podoplanin in Oral leukoplakia, oral submucous fibrosis and Oral squamous cell carcinoma
2011	Dr. Merlyn Rajan	Dr. Bindu J. Nair, (Guide) Dr. T. T. Sivakumar, (Co Guide)	Immunohistochemical expression of endoglin in Oral leukoplakia, oral submucous fibrosis and Oral squamous cell carcinoma
2012	Dr. Saira Elizabeth Denny	Dr. T. T. Sivakumar, (Guide) Dr. Bindu J. Nair (Co Guide)	A comparative study of the fluorescence emission Spectra of dried human saliva with undiluted liquid saliva using fluorescence spectroscopy
2012	Dr. Archana Nair	Dr. Bindu J Nair	Comparative analysis of the oxidative stress and Antioxidant status in type ii diabetics and non-diabetics- A biochemical study

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2013	Dr Nayana S Raj	Dr Sivakumar T T	Evaluation and comparison among antimicrobial activity of neem oil, cinnamon oil & clove oil against streptococcus mutans - An in vitro study
2013	Dr Reshmi K Raman	Dr Bindu J Nair	A comparative evaluation of conventional histologic technique with xylene free technique using sesame oil – An in vitro study
2014	Dr Reshmi A	Dr Anna	Extraction and quantification of DNA isolated from epithelial cells on the fitting surface of removable orthodontic appliances- An ex vivo study
2014	Dr Sunjith Sudhakar	Dr Sivakumar T T	Comparative analysis of apoptotic cell count in reticular and erosive forms of oral lichen planus with normal mucosa using TUNEL assay.
2016	Dr. Amitha Mohan	Dr. T T Sivakumar	Expression of transcription factor foxp3 in oral lichen planus and oral lichenoid mucositis- A comparative study

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2016	Dr. Nisha Sam	Dr. T T Sivakumar	Human sex determination by DNA analysis from buried teeth using polymerase chain reaction – an invitro study
2016	Dr. Shali S Nair	Dr. Anna P Joseph	Immunohistochemical analysis of CD146 in oral leukoplakia and oral squamous cell carcinoma – A descriptive study
2017	Dr. Lekshmy M S	Dr. T T Sivakumar	Immunohistochemical expression of aquaporin 3 transmembrane protein in oral leukoplakia, oral squamous cell carcinoma and normal oral mucosa – A comparative study
2017	Dr. Santhu Sadasivan	Dr. Anna P Joseph	Human tongue print analysis for biometric authentication using edge histogram descriptor, color auto correlogram and multi-texton histogram feature extractors – A descriptive study
2018	Dr. Anjana Menon R	Dr. T T Sivakumar	Comparative evaluation of oral hard and soft tissue parameters for human identification-A study among identical twins

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2018	Dr. Freeda Mary S	Dr. T T Sivakumar	Immunohistochemical evaluation of galectin -3 expression in oral squamous cell carcinoma, oral leukoplakia and normal mucosa
2018	Dr. Greeshma L R	Dr. Anna P Joseph	Comparative evaluation of PD-1 and PD 11 expression in oral leukoplakia oral squamous cell carcinoma and normal oral mucosa
2019	Dr. Gayathri. V. Nair	Dr Anna P Joseph	Assessment of Anti-Transcriptional Intermediary Factor 1 $\gamma$ Peptides in Oral carcinoma and Oral Epithelial Dysplasia
2019	Dr. Bonis Benny	Dr Anna P Joseph	Antimicrobial peptide 'NISIN' incorporated NANO hydroxyapatite scaffold as an intracanal medicament against Enterococcus faecalis- An in vitro study

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## DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

YEAR OF RESEARCH	NAME OF STUDENT	NAME OF MENTOR	TOPIC OF RESEARCH
2011	Dr. Shiad Salim	Dr. Surej Kumar L. K	Osseointegration using prefabricated scaffold on gluteus muscle of rat.
2011	Dr. Ajith	Dr. Suvy Manuel	Evaluating the location of lingula in mandible; CT study
2011	Dr. Sherin N Rahim	Dr. Surej Kumar L. K	Biomechanical comparison of st steel and titanium plates for SSO
2012	Dr. Mathew P Varghese	Dr. Suvy Manuel	Potential for osseous regeneration of PRF
2012	Dr. Varun Menon	Dr. Surej Kumar L.K	Single puncture arthrocenteces comparison

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2012	Dr. Parvathy	Dr. Surej Kumar L.K	Cephalometric analysis of posterior pharyngeal airway space
2013	Dr Kannan Venugopal	Dr Suvy Manuel	Primary and secondary closure technique after removal of impacted mandibular third molars - A comparative study.
2013	Dr Sumesh Chandran	Dr Suvy Manuel	Vertibuloplasty using diode laser and conventional method - A comparative study.
2013	Dr Sudheena R S	Dr Surej Kumar	Location of descending palatine artery in relocation to Lefort I osteotomy - A computerized tomographic study.
2014	Dr Aravind S Nair	Dr Surej Kumar	Comparative evaluation of pain - associated with the administration of greater palatine nerve block with vibrajel and conventional technique.
2014	Dr Vinod Nair S	Dr Surej Kumar	Comparative assessment of primary stability of two different bone types - An invitro study.



# POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

2014	Dr Uma P B	Dr Nikhil M Kurien	Comparison of post operative sequelae following surgical removal of partially impacted third molar using bur and ER: YAG laser.
2015	Dr.Adersh G A	Dr.Nikhil M Kurien	Localization of impacted maxillary canines using OPG-comparison of reliability of two techniques
2015	Dr. Dilna S	Dr.Surej Kumar L.K	Evaluation of lingula as a landmark for identifying mandibular foramen- A CT study
2015	Dr. Prabhat Raj	Dr.Surej Kumar L.K	Ultrasonography of TMJ to assess the position of condyle to glenoid fossa distance and movement of condyle
2016	Dr.Deepa D S	Dr.Surej Kumar L.K	Hemodynamic changes during the surgical removal of third molar- A comparative study between two local anesthetics
2016	Dr. Johna P S	Dr.Surej Kumar L.K	Evaluation of salivary cortisol concentration as marker of stress among patients undergoing surgical removal of mandibular

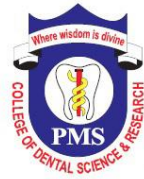
## POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

			third molars – A randomized control trial
2016	Dr. Jyothilekshmi V	Dr. Nikhil M Kurien	Effect of healing using tissue adhesive and mersilk suture of mandibular third molars - A comparative evaluation
2017	Dr. Anagha S Nath	Dr.Surej Kumar L.K	A comparative study using electrosurgery and 810nm diode laser in vestibuloplasty
2017	Dr. Antony Juju Vincent	Dr.Surej Kumar L.K	Efficacy of simvastatin impregnated gelatin sponge in osseous regeneration following its lo local application in extraction socket.
2017	Dr. Nidhi Jayan K	Dr. Nikhil Kurian	Evaluating the effect of collagen resorbable membrane on wound healing after the extraction of lower posterior teeth – A split mouth study
2017	Dr. Sona B Meenakshidevi	Dr. Nikhil Kurian	Effect of chitosan hydrogel on wound healing process

# POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

			subsequent to lower impacted third molar extraction
2017	Dr. Thulasi S	Dr. Girish Kumar	To assess the efficacy of placement of drain along with primary closure after surgical extraction of lower third molars in reducing post operative discomfort
2018	Dr. Ahmed Haris H	Dr.Surej Kumar L.K	Efficacy of submucosal injection of dexamethasone versus methyl prednisolone on swelling and pain following mandibular 3rd molar surgery
2018	Dr. Georgie P Zachariah	Dr.Surej Kumar L.K	Comparative evaluation of linear dimensional accuracy of ultrasonography and CBCT when used as a diagnostic modality of temporomandibular joint
2018	Dr. Beegum Summayyah	Dr. Nikhil Kurian	Comparative evaluation of two incision designs in surgical removal of mandibular third molar

## POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

2018	Dr. Rakhy Suresh	Dr. Nikhil Kurian	Prospective evaluation of healing of extraction socket with and without the placement of collagen plug
2018	Dr. Meghna Chandrachood	Dr. Girish Kumar	Biomechanical comparison between titanium 4-hole 3D plates and titanium conventional 4-hole miniplates for internal fixation of mandibular angle fracture
2019	Dr. Joseena James Abraham	Dr. Surej Kumar LK	Prevalence Of Retromolar Foramen in Dry Human Mandibles
2019	Dr. Mathew Joseph Thuruthel	Dr. Surej Kumar LK	Efficacy Of Gelatamp in Controlling the Post Operative Sequelae Following Mandibular Posterior Teeth Extraction: A Split Mouth Study
2019	Dr. Suri Rajan	Dr. Nikhil Mathew Kurien	Effect Of Oral Bromelain Versus Oral Diclofenac for Control of Postoperative Sequelae: A Split Mouth Study
2019	Dr. Sumayya Mohammed. S	Dr. Mathew Tharakan	Anaesthetic Efficacy Of 0.5% Ropivacaine To 2% Lignocaine With 1:200000 Adrenaline in Dental Extraction A Split Mouth Study

# POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

2019	Dr.Aarathy.P. T	Dr.Nikhil Mathew Kurien	Evaluation Of Post-Operative Sequelae of Twin Mix Versus Intravenous Dexamethasone After the Removal of Impacted Mandibular Third Molar: A Split Mouth Study
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# POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

## DEPARTMENT OF PROSTHODONTICS

YEAR OF RESEARCH	NAME OF STUDENT	NAME OF MENTOR	TOPIC OF RESEARCH
2010	Dr. Haby Mathew Somson	Dr. Alex Mathews	Effect of relief space, escape holes & seating velocity on pressure characteristics of maxillary & mandibular edentulous impressions – An invitro study.
2010	Dr. Mini V S	Dr. Alex Mathews	Comparative evaluation of mechanical properties of provisional crown and fixed partial denture materials – An in vitro study.
2010	Dr. Moni S S	Dr. Sudeep S	The effect of casting on cytotoxicity & elemental release of basal metal alloy – An in vitro study.
2011	Dr. Anu A George	Dr. Alex Mathews	A comparative evaluation of the effectiveness of three different modalities in occluding dentinal tubules – An in vitro study

# POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

2011	Dr. Joyce Thomas	Dr. Alex Mathews	Evaluation of color & compositional changes of three provisional restorative materials after thermocycling using reflective spectrophotometry and FTIR –An in vitro study.
2011	Dr. Milan Mariam Rajeev	Dr. Sudeep S	A clinical comparison of gingival shade guide systems in Indian context using visual and digital method – An in vivo study.
2012	Dr. Bijin B R	Dr. Alex Mathews	Evaluation of conformity between facial & dental midline using arbitrary facial landmarks.
2012	Dr. Ragini K R	Dr. Alex Mathews	Association of oral perceptive ability and masticatory efficiency in complete denture wearers at the time of insertion & post insertion – An in vivo study.
2012	Dr. Sajina Oommen	Dr. Sudeep S	Manometric evaluation of oral pressure in dentulous and edentulous patients – A n in vivo study.
2013	Dr Veena T K	Dr Alex Mathews	A comparative evaluation of micromotion of four different implant designs after immediate

## POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

			loading – A finite element analysis.
2013	Dr Jemcy James	Dr Alex Mathews	A comparative invitro analysis of residual monomer released from heat cured and self-cured denture base resins with and without silver zinc zeolite additive.
2013	Dr Rani Krishna S	Dr Sudeep S	Quantitative and qualitative comparison of wear enamel caused by polished zirconia, polished and glazed zirconia & feldspathic porcelain - An invitro study.
2014	Dr Anjana Ravindran	Dr Sudeep S	Subjective and objective assessment of saliva wetness for diagnostic evaluation and classification for completely edentulous patients
2014	Dr Bajaj Rashmi Devilal	Dr Sudeep S	Comparative assessment of gingival retraction using mechanical method and 980 nm diode laser.



# POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
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**DENTAL SCIENCE & RESEARCH**

2014	Dr Bini K Issac	Dr Dinesh N	Geometric evaluation of palatal rugae as an objective diagnostic tool in determining the key dimensions of anterior maxilla and anterior maxillary tooth positions in edentulous patients.
2015	Dr. Abha Nair	Dr.Sudeep.S	Comparative evaluation of color stability of two types of maxillofacial silicone elastomers following accelerated ageing conditions-An invitro study
2015	Dr.Arya H M	Dr.Sudeep.S	A comparative evaluation of bond strength of nickel chromium crowns with castable nickel chromium and titanium abutments
2015	Dr.Himanath K	Dr.Sudeep.S	A comparative evaluation of stress distribution of three different implant materials on posterior mandible after loading- A finite element analysis
2015	Dr. Layana Theodore	Dr. Dinesh N	Effect of desensitizers on micro tensile bond strength of self-adhesive resin cement to dentin - An invitro comparative study

## POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

2015	Dr. Rubina Mathew Stephen	Dr. Dinesh N	A finite element analysis of stress distribution at the veneer cement tooth interface with two resin luting cements and different veneer preparation designs
2016	Dr. Anu Mary Joy	Dr.Sudeep.S	A comparative evaluation of the mesiodistal width of the maxillary central incisors using three facial parameters
2016	Dr. Malavika R S	Dr.Sudeep.S	A comparative evaluation of marginal discrepancy and microleakage in conventional metal ceramic DMLS and monolithic CADCAM crowns- An invitro study
2016	Dr.Pratheeksha V Nair	Dr. Dinesh N	A comparative evaluation of efficacy of three different antifungal agents on heat cure acrylic resins an invitro study
2016	Dr. Sreeja C Babu	Dr. Dinesh N	A radiographic evaluation of neutral zone records of class1 and class 2 edentulous patients

## POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

2016	Dr. Sreelakshmy Kammath	Dr. Sapna Bhaskaran	Comparative evaluation of effect of three beverages on color stability of two different brands of acrylic denture teeth - An invitro study
2017	Dr. Aryachand S	Dr.Sudeep.S	Comparative evaluation of thermocycling on flexural strength and elastic modules of two different provisional crown materials
2017	Dr. Deepthi S S	Dr.Sudeep.S	Comparison of antifungal properties of methanolic extracts of cucurma longa and carica papaya linn seed extract incorporated dental adhesive on candida albicans -An invitro study
2017	Dr. Monila Mohan	Dr. Sapna Bhaskaran	Comparative evaluation of heat generation during tooth preparation between two commercially available diamond burs - An invitro study
2017	Dr. Sharon Ann Jose	Dr. Sapna Bhaskaran	Comparison of the influence of thixotropic agents and accelerated aging on the tensile strength of

## POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

			two different maxillofacial silicone elastomers- An invitro study
2017	Dr. Sreepriya S S	Dr. Sheeba H Gladston	Effect of nano clay on mechanical properties of two types of heat cure acrylic resin- An invitro study
2018	Dr. Anjana V R	Dr.Sudeep.S	Comparative evaluation of PEEK materials on impact strength after different chemical and mechanical surface modification: An invitro study
2018	Dr. Joyal Jose Baby	Dr.Sudeep.S	Comparative evaluation of flexural strength of provisional crown and bridge materials exposed to beverages: An invitro study
2018	Dr. Meby Mariam Joseph	Dr. Sapna Bhaskaran	Correlation between tooth shade value and skin hair eye color: An invitro study
2018	Dr. Nayana Nazeer	Dr. Sapna Bhaskaran	Comparative evaluation of the tensile bond strength of polyvinyl siloxane elastomeric impression

## POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

			material to custom light activated acrylic tray material in three different surface treatments. An invitro study
2018	Dr. Nimi A Mahendra	Dr. Sheeba H Gladston	Evaluation of the biocompatibility of two different self-adhesive resin cements on human dental pulp stem cells: An ex vivo study
2019	Dr.Aiswarya R Nair	Dr.Sudeep S	Comparative Evaluation of Shear Bond Strength on Two Different Dual Cure Adhesive Resin Cements Used for Bonding Lithium Disilicate to Dentin: An In Vitro Study
2019	Dr.Aswathy A Kumar	Dr.Sudeep S	Comparative Evaluation of Flexural Strength on PMMA Resin After Reinforcement with Two Different Fibres
2019	Dr.Fayiz S Faizal	Dr.Sangeeth K Cherian	Comparison Of Retentive Efficiency of Two Different Ball Attachment Systems in Precision Based Cast Partial Denture: An In Vitro Study
2019	Dr.Greeshma Prakash	Dr.Sheeba H Gladstone	Comparative Evaluation of Gingival Retraction Obtained By Two Different Cordless Systems: An In Vivo Study

# POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

2019	Dr.Binimol E.M	Dr.Sheeba H Gladstone	Effect Of Vertical Load Application on Three Different Cantilever Lengths of Poly Ether Ether Ketone (PEEK) Bar for Implant Supported Mandibular Prosthesis
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# POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

## DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

YEAR OF RESEARCH	NAME OF STUDENT	NAME OF MENTOR	TOPIC OF RESEARCH
2011	Dr Sangeeth Sasidharan	Dr Rajesh Pillai	Invitro evaluation of linear apical microleakage following obturation with resilon-epiphany system as compared to obturation using gutta percha with ah plus and gutta percha with apexit plus sealers
2011	Dr Ranjith	Dr Rajesh Pillai	Invitro evaluation of apical microleakage following obturation with matched single protaper gutta percha as compared to thermafill plus and lateral condensation technique
2011	Dr Roopa	Dr No Varghese	Invitro evaluation of the effect of different combinations of obturating materials and scalers

# POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

			on vertical root fracture resistance of endodontically treated teeth
2012	Dr. Remya P Mohanan	Dr Rajesh Pillai	Effect of tea, coffee, carbonated drink, and tamarind Extract on discoloration and microleakage of micro Hybrid composite - An invitro study
2012	Dr. Roshan Noohuman	Dr No Varghese	Comparative evaluation of apical microleakage Of four different root-end filling materials Using dye penetration method- An in vitro study
2012	Dr Pratheek Vs	Dr Rajesh Pillai	Effect of yogurt extract on demineralized dental Enamel a comparative in vitro study with casein Phosphopeptide amorphous calcium phosphate paste



## POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

2013	Dr Subin B S	Dr N O Varghese	Comparative evaluation of endodontic sealing efficacy of three root canal sealers - An invitro study.
2013	Dr Rugma A S	Dr N O Varghese	Comparative evaluation of caring depths amorphous silica containing and crystalline core composites by surface thickness hardness - An invitro study.
2013	Dr Abe Antony	Dr Rajesh Pillai	Fracture resistance of teeth undergoing post endodontic bleaching comparison of four treatment modalities - An invitro study.
2014	Dr Sinju Paul	Dr N O Varghese	Comparative evaluation of fracture resistance of roots instrumented with nickel titanium K files and three rotary systems - An invitro study.
2014	Dr Varsha S Vandana	Dr Rajesh Pillai	Evaluation of effect of bleaching agents on surface roughness and surface hardness of a nanohybrid composite - An in vitro study.

## POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

2014	Dr Meera Rose Cherian	Dr N O Varghese	Comparative evaluation of different irrigation protocols on removing triple antibiotic paste from root canals: An in vitro study.
2015	Dr. Baji B	Dr.N O Varghese	Comparative evaluation of fracture resistance of zirconomer, microhybrid composite and nanohybrid composite as core build up material- An invitro study
2015	Dr.Iqbal S	Dr.N O Varghese	Fracture resistance of endodontically treated teeth restored with different post systems
2015	Dr.Nikhil Murali	Dr.Rajesh Pillai	The effect of different root canal irrigants when activated with endo activator and manual dynamic agitation on enterococcus faecalis - A comparative invitro evaluation
2015	Dr.Sajeena N C	Dr.Rajesh Pillai	Comparative evaluation of color stability of white MTA in contact with four different irrigating solutions-An invitro study

## POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

2015	Dr.Shemil Mohammed Sha	Dr. Afsal	Comparative evaluation of apical extrusion of debris using protaper next twisted files and one shape file - An invitro study
2016	Dr. Aparna Ramachandran	Dr.N O Varghese	Shear bond strength of alkasite material to dentin as compared to modified and reinforced glass ionomer cements - An invitro study
2016	Dr. Geetha Ramachandran	Dr.N O Varghese	The effect of saliva contamination on the shear bond strength of seventh and eighth generation dentin bonding agents - An invitro study
2016	Dr.Jyothilekshmi B	Dr.Rajesh Pillai	Effect of healing using tissue adhesive and mersilk suture after the surgical removal of mandibular third molars- A comparative evaluation.
2016	Dr.Priya M	Dr.Rajesh Pillai	Fracture resistance of roots obturated using three different techniques with a MTA based sealer-An invitro study

# POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

2016	Dr.Sharanya S Nair	Dr. Afsal	Effect of diode laser manual dynamic agitation and passive ultrasonics on smear layer removal from the pulp space using maleic acid as irrigant
2017	Dr. Praveena S V	Dr.Rajesh Pillai	Dentinal microcrack formation with gold thermal treated m-wire and adaptive files - An invitro comparative evaluation with conventional rotary files
2017	Dr. Sandeep Chandran	Dr. Afsal A	Cyclic fatigue resistance in rotation reciprocation and adaptive motion on rotary NI-TI files
2017	Dr Mahesh	Dr Rajesh Pillai	Comparative evaluation of micro tensile bond strength of nanohybrid and alkasite composite in class ii cavities with cervical margin on cementum: An in vitro study
2018	Dr. Deepa G S	Dr.N O Varghese	Comparative evaluation of the effect of bleaching on enamel with H <sub>2</sub> O <sub>2</sub> , aqueous pineapple extract and lemon extract using

## POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

			spectrophotometer -An in-vitro study
2018	Dr. Naveen G	Dr.N O Varghese	Comparative evaluation of efficacy in removal of guttapercha cone and sealer with different rotary and hand instruments -An invitro study using CBCT
2018	Dr. Pooja Prakash	Dr.Rajesh Pillai	Comparative evaluation of the efficacy of herbal irrigants in eliminating enterococcus faecalis colonies from the pulp space as against sodium hypochlorite-A fluorescence confocal laser scanning microscope study
2018	Dr. Rini S J	Dr.Rajesh Pillai	Flowcytometric analysis on the bactericidal effect of diode lasers of varying wave lengths, octenidine hydrochloride and traditional techniques
2018	Dr. Shinu Lal	Dr. Afsal A	An invitro comparison of apical microleakage with four different root end filling materials using

# POSTGRADUATE DISSERTATIONS



**PMS COLLEGE**  
OF  
**DENTAL SCIENCE & RESEARCH**

			glucose penetration leakage method
2019	Dr. Aneesha Mary	Dr. N O Varghese	Cytotoxicity Of Different Diluent Monomer Containing Composites on Mouse Fibroblasts L929 Series- An Invitro Evaluation
2019	Dr. P R Sreekala	Dr. Rajesh Pillai	Comparative Evaluation of Penetration Depth And Microhardness Of Resin Infiltrant Against Conventional Remineralizing Agents On Artificially Demineralized Enamel Invitro Study
2019	Dr. Swathy Sukumaran	Dr. Afsal A	Marginal Leakage Determination of Four Different Direct Restorative Materials in Class II Restorations Using Glucose Infiltration: An Invitro Stereomicroscopic Analysis
2019	Dr. Reshma K G	Dr. Rajesh Pillai	Flexural Strength of Nanohybrid Micro hybrid and BISGMA Free Composite as Compared to Hybrid Composite an Invitro Analysis