

RESEARCH ACTIVITIES 2023-2024 and 2024-2025

PHD RESEARCH PROJECTS

NAME	DEPARTMENT	TITLE
Dr Jeslin Mary S (Associate professor)	Oral Pathology&Microbiology	Evaluation and comparison of the anticancer activity induced by leaf extract of <i>Annona muricata</i> and green synthesized gold nano particles on Oral Squamous Cell Carcinoma cell line -SCC 25

DENTAL MATERIAL SCIENCE RESEARCH

NAME	DEPARTMENT	TITLE
Dr. Srihariharan M	Conservative Dentistry&Endodontics	A comparative evaluation of Microleakage of ACTIVA™ BioACTIVE, Smart Dentin Replacement, Cention N and Conventional Glass Ionomer Cement in Class V cavities-An Invitro study
Dr. Anujin M	Conservative Dentistry&Endodontics	Evaluation of the effect of Three different Mouthwashes on the Surface Microhardness and Color Stability of a Bioactive Restorative material – An Invitro study
Dr. Sri Ishwarya M R	Conservative Dentistry&Endodontics	Comparative Evaluation Of Three Different Antioxidants On The Shear Bond Strength Of composite Resin To Bleached Enamel: An Invitro Study.

Dr. Keshore Balaji N S	Conservative Dentistry&Endodontics	Comparative Evaluation Of Micro Debris Distribution Along Round And Oval Root Canals Using Two Different Heat Treated File Systems Under Micro Computed Tomography– An Invitro Study
Dr. Anwar M Musthafa	Prosthodontics	A Comparative Analysis of Three Cementation Techniques Using Resin Modified GIC on the amount of Excess Cement After Luting In Implant Supported Cement Retained Fixed Prosthesis – An In Vitro Study
Shreya S	Department of Orthodontics and Dentofacial Orthopaedics	Evaluation And Comparison Of Load Deflection Rate Of Two Rhodium Coated Esthetic Arch Wires-An In Vitro Study
Deepika M C	Department of Orthodontics and Dentofacial Orthopaedics	Comparison Of Frictional Forces Of Two Different Brands Of Rhodium Coated Arch Wires At Two Different Angulation With Ceramic Brackets – An In Vitro Study
Dr. Srihariharan M	Conservative Dentistry&Endodontics	A Comparative Evaluation Of Microleakage Of Cention N, Nanohybrid Composite And Conventional Glass Ionomer Cement In Class V Cavities – An Invitro Study

Dr. Anujin M	Conservative Dentistry&Endodontics	Evaluation Of The Effect Of Three Different Mouthwashes On The Colour Stability And Surface Microhardness Of Cention N - An Invitro Study
N. Bhavani-	Dept. Conservative Dentistry&Endodontics	Retrospective Analysis Of Different Types Of Deep Caries Management Treatment Outcome Using Two Different Materials
Agisha J	Department of Orthodontics and Dentofacial Orthopaedics	Comparative evaluation of shear bond strength of two different orthodontic bonding systems for molar tubes on zirconia surface – An invitro study

TEMPOROMANDIBULAR JOINT (TMJ) RESEARCH

NAME	DEPARTMENT	TITLE
Dr. Dharanidharan R	Oral Medicine&Radiology	Assessment of Temporomandibular Joint Disc Position with And without Intraoral Stabilization Appliance in Temporomandibular Disorder patients using Magnetic Resonance Imaging- Non-randomized clinical trial

Dr. Arbi Vashni J	Oral Medicine&Radiology	Efficacy of the Digital Occlusal Analyser (OCCLUSENSE-BAUSCH) in evaluating the Occlusal force distribution among Temporomandibular disorder and Non-Temporomandibular disorder patients – A Cross Sectional Study
Thabiya S	Department of Oral Medicine And Radiology	Prevalence Of Temporomandibular Joint Disorders Among Out Patients At A Private Dental College In Kanyakumari District - A Cross Sectional Study
Dr. Sundaresan R	Department of Oral Medicine And Radiology	To Evaluate And Compare Temporomandibular Joint (Tmj) Sound Patterns In Individuals With And Without Temporomandibular Disorders (Tmd) Using An Electronic Stethoscope, And To Assess The Diagnostic Value Of Auscultation In Identifying Joint Noises- Comparative Cross Sectional Study

CBCT-AIDED RESEARCH

NAME	DEPARTMENT	TITLE
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Dr. Keerthi P	Prosthodontics	"Assessment of Prevalence and Length of Anterior Loop of Mental Nerve in Kanyakumari population using Cone Beam Computed Tomography scan"
Dr. Vignesh P	Prosthodontics	Comparative Evaluation Of Marginal Accuracy Of Artificial Intelligence Generated Provisional Crowns With Conventional Provisional Crowns – An In Vitro Study”

CLINICAL TRIALS

NAME	DEPARTMENT	TITLE
Dr. R Siva Ranjani	Oral and Maxillofacial Surgery	Comparative evaluation of Wound healing and Pain with Conventional Polydioxanone Suture and Knotless Barbed Suture in Therapeutic Extraction- A clinical randomized trial
Aseelah Begum B S	Oral and Maxillofacial Surgery	Comparison of The Analgesic Effectiveness of Aceclofenac-Paracetamol Combination and Ibuprofen in Post Extraction Pain Management- A

		Randomised Clinical Trial
Bhavani N	Conservative Dentistry and Endodontics	Prospective Analysis Of Different Types Of Deep Caries Management Treatment Outcome Using Two Different Materials: A Non-Randomised Clinical Trial
Dr. Subasree M	Oral and Maxillofacial Surgery	Comparative Evaluation Of Effect Of Bactigras And Tetracycline-Soaked Pack In The Marsupilization Of Odontogenic Cystic Lesion - A Randomized Control Trial
Dr. Gracelin R S	Oral Medicine And Radiology	Comparison Of The Efficacy Of Topical Benzydamine Hydrochloride And Medical Grade Honey In The Management Of Recurrent Minor Aphthous Stomatitis - Randomized Clinical Trial
Dr. Jayanthi Steffi J	Periodontics	A Comparative Evaluation Of Using Xenogenic Bone Grafts With Or Without Recos Collagen Membrane In The Treatment Of Periodontal Intrabony Defects: A Randomized Controlled Trial
AMRUTHESHMA S	Dept. Conservative Dentistry&Endodontics	Endodontic treatment outcomes: single visit vs multiple visit ;a randomized control trial on patient

		experience and dental practice
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HISTOPATHOLOGICAL, MICROBIOLOGY AND IMMUNOLOGICAL STUDIES

NAME	DEPARTMENT	TITLE
Dr. Malarkodi Chitra M	Oral Pathology	Comparative evaluation of Mean Mast Cell Count among Normal mucosa, Oral Potentially Malignant Disorders and Oral Squamous Cell Carcinoma using Toluidine Blue and Methylene Blue – A Histopathologic Analysis
Dr. Sambath L	Oral Pathology	“Comparative evaluation of the efficacy of Feulgen and Giemsa staining over Hematoxylin and Eosin staining in the evaluation of Mitotic index in Oral Epithelial Dysplasia - A Histopathologic Analysis”
Dr. Lavanya J	Periodontology	A Comparative Analysis of Salivary Interleukin 33 and 39 levels as Inflammatory markers in Chronic Periodontitis patients with or without Type II Diabetes Mellitus before and after Non-Surgical Periodontal Therapy: An In vivo study
Dr. Sowmiya Dharani M	Periodontology	Effect of Non Surgical Periodontal Therapy on

		Salivary Levels of IL-23 and IL-33 in Chronic Periodontitis patients with and without Hypothyroidism – An In vivo study
Asika R K	Department Of Oral Pathology And Microbiology	Demographic Profile And Clinicopathological Analysis Of Odontogenic Cysts And Tumours: A 10 Years Retrospective Institutional Study
Dr. Sindhuja K	Department Of Oral Medicine And Radiology	Estimation Of Serum Lactate Dehydrogenase And Serum Ferritin Levels In Oral Lichen Planus And Oral Squamous Cell Carcinoma - Comparative Study
Dr. Poornima V J	Periodontology	COMPARATIVE EVALUATION OF THE EFFECTS OF NON-SURGICAL PERIODONTAL THERAPY ON SERUM LEVELS OF OXIDATIVE STRESS MARKERS IN PERIODONTITIS PATIENTS WITH OR WITHOUT TYPE-II DIABETES MELLITUS- AN IN VIVO STUDY

Abitha G S	Oral Pathology	Comparative Evaluation of Mean Mast cell count among Odontogenic Keratocysts and Periapical cysts using Toluidine blue and Methylene blue – A Retrospective Study.
Subarna J	Department Of Oral Pathology&Microbiology	Evaluation of the Anti-Oxidant Potential of Annona Muricata Leaf Extract using Biochemical Assays - An Invitro Study
Jibisha Mol	Department Of Oral Pathology&Microbiology	Comparative evaluation of changes in salivary pH and Streptococcus mutans in saliva by natural sugar substitutes in adolescent age group: An Invivo study

OBSERVATIONAL STUDIES

NAME	DEPARTMENT	TITLE
Aliya I	Department Of Periodontology	Awareness and assessment of sleep quality among students studying in a dental institution – A cross sectional study
Aleena Ann Shaji	Department Of Periodontology	Evaluation of formulation ingredients in commercially

		available toothpastes – A cross sectional study
Kausigan T K	Department Of Pediatric And Preventive Dentistry	Analysing The Applicability Of Tanaka Jonston's Analysis In South Tamilnadu Population In Predicting The Total Widths Of Unerupted Permanent Canine And Premolars : An Observational Cross – Sectional Study
Savitha	Department Of Oral Medicine&Radiology	Assessment of tooth wear and Interincisal width among tobacco chewers in screened population of Kulasekharam - A cross sectional comparative observational study.

WEB-BASED RESEARCH

NAME	DEPARTMENT	TITLE
Jaiya Nivetha J M	Department Of Oral Pathology And Microbiology	Attitude, Perception, And Practice Of Oral Biopsy Procedures Among Dental Practitioners Across South

		Tamilnadu: A Cross-Sectional Web-Based Study
Sarah Evangeline B	Department of Periodontology	Content Analysis&UMARS Quality Evaluation Of Mobile Dental Apps On Oral Health Promotion: A Cross Sectional Study
Benisha	Department Of Periodontology	The Perceptions, Concerns and Learning Needs of the Digital Natives – A Cross-Sectional Study exploring the learning preferences of Generation-Z Dental Students

NEW MATERIAL RESEARCH

NAME	DEPARTMENT	TITLE
Dr. Pavithra H	Orthodontics	Comparison of Optical Properties and Cytotoxicity of Novel 3D Printed Orthodontic Shape Memory Aligners - New Generation Graphy TA-28 and Thermoformed Orthodontic Aligners Zendura - An Invitro study
Dr. N Monica Medonna	Orthodontics	Comparison of Mechanical Properties of Novel 3D Orthodontic Shape Memory Aligner - New Generation Graphy (TA 28) with

		Thermoformed Orthodontic Aligner Zendura- An Invitro study
Dr. Lavanya J	Periodontology	"Characterization and Comparison of Physico-Chemical properties of five commercially available Xenografts used in Periodontal Therapy: An Invitro study"
Dr. Swethaa P	Periodontology	Calcium sulfate Bone Cement in Intrabony Defects: A Clinical and Radiographic assessment- An In vivo Study
Dr. Sowmiya Dharani M	Periodontology	"Physico-Chemical Characterization of four commercially available Collagen Sponges used in Periodontal Therapy -An Invitro study"
Dr. Pavithra H	Orthodontics	Evaluation of Color stability of two different Rhodium Coated Archwires immersed in different staining solutions through Spectrophotometry Analysis - An Invitro Study
Dr. N Monica Medonna	Orthodontics	Evaluation of Cytotoxicity of Two Different Rhodium Coated Archwires using MTT Assay- An Invitro study
Dr. Janamithrasan gari N	Orthodontics	Comparison Of Shear Bond Strength And Surface Characteristics Of Novel 7 th generation(Etch Free)Single Step Orthodontic Bonding System Versus 4 th Generation Two-Step Orthodontic Bonding System- An

		In-Vitro Study
Dr. Aarthi P	Orthodontics	Comparison Of Shear Bond Strength Of 7 th Generation (Etch Free) Single Step Orthodontic Bonding System Versus 5 th Generation Moisture Insensitive Orthodontic Bonding System Contaminated With Saliva And Blood - An In Vitro Study

DIGITAL DENTISTRY

NAME	DEPARTMENT	TITLE
Dr. Johann Immanuel	Prosthodontics	A Comparison of two different 3D Printing Ultra Violet Resin Versus Heat Polymerizable Denture Base Resin for Retention and Fracture Toughness - An Invivo study
Dr. Balaji M	Prosthodontics	A Comparative Evaluation Of Exocad And Realguide Cad Software On The Thickness, Cement Space And Marginal Adaptation Of Cobalt

		Chromium Copings Fabricated By Direct Metal Laser Sintering: An In Vitro Study
Dr. Sathya S	Prosthodontics	Evaluation Of Patient Satisfaction And Decision Making With Smile Outcomes Using Smile Designed Mock Ups And 3d Printed Provisionals

IMPLANT RESEARCH

NAME	DEPARTMENT	TITLE
Dr. Keerthi P	Prosthodontics	"A comparative evaluation of the accuracy of two different 3D CAD softwares in designing the Implant surgical guide - An invitro study"
Dr. Aswin Raj V P	Department of Oral and Maxillofacial Surgery	Evaluation Of Clinical And Radiographical Outcomes Along With Bone Density Changes Among Three Grafting Modalities In Immediate Implant Placement: A Comparative Study
Ansika J K	Prosthodontics	Evaluation of Dimensional Change in the Internal Thread of Implant Analog Following Repeated Use - An In Vitro Study.

Muthu Meena S	Dept Of Prosthodontics	An In Vitro Study to Evaluate the Effect of Multiple Sterilization on the Surface Roughness of Dental Implant Healing Abutment.
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QUESTIONNAIRE-BASED STUDIES

NAME	DEPARTMENT	TITLE
Subash Chandra Bose P	Department of Public Health Dentistry	Relationship Between Spiritual Intelligence, Personality Traits, General Health, And Happiness Among Dental College Students: A Cross- Sectional Study
Sreerag R	Department of Public Health Dentistry	Assessment Of Emotional Intelligence Among Dental Undergraduate Students: A Mixed Methodological Approach
Jeiyasurya K	Department of Periodontology	Awareness And Prevalence Of Mucogingival Problems And Its Influence On Oral Health-Related Quality Of Life Among Orthodontic Patients: A Cross Sectional Study
Ramkisoryaa B	Department of	Awareness Regarding The Adverse Effects Of Smoking

	Periodontology	And Smokeless Tobacco And Its Impact On Oral Health- A Questionnaire Based Cross Sectional Study
Satyadas G	Department of Periodontology	Awareness And Presence Of Systemic Disease And Periodontal Disease Among Dental Outpatients: A Cross-Sectional Study
Abina	Department of Oral medicine and Radiology	Effect Of Alcoholism And Tobacco Associated Habits On Taste Perception -A Cross Sectional Study
Alshifa Jasmine J	Department of Oral medicine and Radiology	Dental Pain And Self Care Strategies – A Cross Sectional Study Of People In And Around Kulasekharam
Chandru S	Department of Conservative Dentistry and Endodontics	Assessment Of Prevalence, Characteristics And Risk Factors Of Non Carious Lesions Among Different Age Groups Of A Population- A Cross Sectional Study
Ashmitha Jane K	Department of Pediatric and Preventive Dentistry,	Analyzing The Applicability Of Tonn's Formula In Predicting The Permanent Upper Incisor Widths In South Tamilnadu Population
Yamini P	Department of Public Health Dentistry	Attitude And Practice Of Tobacco Counseling Among Dental Students: A

		Cross-Sectional Study
Varsha I	Department of Oral and Maxillofacial Surgery	Tooth Extraction: A Trigger For Anxiety And Stress In Dental Patients – A Prospective Clinical Trial
Tanish Nidhun.S	Department Of Orthodontics And Dentofacial Orthopaedics	Comparison Of The Hyoid Bone Position Between Nasal Breathers And Oral Breathers - A Cephalometric Study
Afrah Fathima	Department Of Periodontology	Oral Health Awareness And Its Influence On Quality Of Life In Diabetes Mellitus Patients At A Facility: A Cross- Sectional Study
Muthu Meena S	Dept Of Prosthodontics	Comprehensive Review On Significance Of Biologic Width In Prosthodontics
P Karthika	Department Of Pedodontics	Comprehensive Review On Significance Of Xylitol In The Remineralization Of Dental Caries
Naeema Ahmed Meeran	Department of Public Health Dentistry	Understanding Motivation among Dental Undergraduate Students: A Qualitative Analysis
Sarah Evangeline B	Department Of Oral Medicine&Radiology	Prevalence of Different Radiographic Errors in Intraoral Periapical Radiographs by Dental Undergraduate Students of

		Sree Mookambika Dental College, Kulasekharam: A Descriptive Cross Sectional Study.
Abhinav	Department Of Periodontology	Awareness of the Effects of Diabetes Mellitus on Oral Health in Dental Patients: A Questionnaire Based Study
Jerish Ani J R	Department Of Periodontology	Prevalence and Awareness of Parafunctional Habits among Dental Patients in a Tertiary Care Facility – A Questionnaire Based Study
Aseelah Begum	Department Of Pedodontics	Knowledge and Attitude of Dental Practitioners Regarding the use of Non Pharmacological Behavior Management Techniques for a Fearful Child – A Questionnaire Based Study.

FORENSIC

NAME	DEPARTMENT	TITLE
Parthiban N	Department Of Oral Pathology&Microbiology	Unlocking The Power Of Dental Records In Forensics: A Comprehensive Dental Record-Keeping Among General Dental Practitioners In Three Districts Of South Tamil Nadu

Jesso Rejoy G S	Department Of Oral Pathology&Microbiology	Evaluation of morphological characteristics of tongue prints and formation of tongue database for forensic identification.
Varsha	Department Of Oral Pathology&Microbiology	Assessment of Sexual Dimorphism using Mandibular Canine Index in Kanyakumari Population: A Model Based Forensic Study.