

**MARATHA MANDAL'S NATHAJIRAO G HALGEKAR
INSTITUTE OF DENTAL SCINECS & RESEARCH CENTRE,
BELAGAVI.**

ACADEMIC YEAR (2017 – 2022)

Name of the department – Pedodontics & Preventive Dentistry

Completed Projects

Sl.No	Completed title of the project	Year of Completion
1	Evaluation and comparison of three obturating techniques in primary molars by using CBCT: An invitro study	2017
2	Prevalence of hematological abnormalities in HIV infected children of three NGOs in Belgaum city: A cross sectional study.	2017
3	Comparison of antimicrobial efficacy of triphala, neem, turmeric mouth rinses with kidodent. - An in vitro and ex vivo study	2017
4	An invitro evaluation of cytotoxicity of Emblica Officianalis (Amla) in cultured primary dental pulp fibroblasts.	2018
5	Estimation of salivary levels of MMP-2, its quantitative correlation with dentinal caries and evaluation of levels pre & post Type IX GIC restoration: An invivo study	2018
6	Correlation of the predominant oral cariogenic streptococcal counts between plaque & saliva of children who are caries free with those having early childhood caries.	2018
	Diode lasers for pediatric endodontics. State of the art.	
7	Endoflas as an obturating material in single or two visit pulpectomy for primary teeth with apical periodontitis: A double blind, parallel group randomized controlled trial.	2019
8	Comparison of crown dimensions of 3M stainless steel crowns for first primary molars with population average: A cross sectional study in a group of children of Belagavi city	2019
9	Detection of Scardovia wiggisiae in children with severe early childhood caries of Belagavi city, Karnataka. - A cross sectional study	2019
10	Dentinal micro-cracks after root canal preparation in primary root: An invitro evaluation of Protaper gold and Kedo-S rotary file systems.	2020
11	Comparison of crown dimensions of 3M stainless steel crowns for second primary molars with population average: A cross sectional study in a group of children of Belagavi city.	2020
12	Comparitive evaluation of antimicrobial efficacy of sodium hypochlorite versus photocoustic streaming in pediatric endodontics. - An invitro study	2020
13	Comparison of crown dimensions of 3M ESPE stainless steel crowns for mandibular 1st permanent molars with the population average. - A cross sectional study in a group of male children of Belagavi city	2021

14	An - Invitro evaluation of antibacterial effect of Endoflas FS on common bacteria of pulp necrosis, per radicular abscess & Dentoalveolar abscess	2021
15	Comparison of clinical & radiographic success rate of pulpotomy in human primary teeth using laser photo biomodulation & formocresol. A randomised controlled trial.	2021
16	Comparative evaluation of antibacterial efficacy of laser photodynamic therapy against chlorhexidine on oral biofilms- An In Vitro study	2022
17	Laser photobiomodulation for Non-Pharmacologic Pain control after Dental Extraction in 6-9 years old Pediatric patients. A randomized controlled clinical trial.	2022
18	A comparative evaluation of proliferative activity between emdogain & Nano curcumin on human periodontal ligament fibroblast – An In Vitro study	2022

Ongoing Projects

Sl.No	Title of the project	Year of start
1	Invitro evaluation of antimicrobial activity of ethanolic extract of Cuminum cyminum in comparison to calcium hydroxide as intracanal medicament on common bacteria of endodontic infections.	2020
2	Comparative evaluation of the antibacterial efficacy of radial firing laser technology on bacteria beyond the apices of deciduous root canals prepared using trunatomy rotary files & conventional hand files. An Ex vivo study	2020
3	Comparative evaluation of disinfecting ability of 2.5% sodium hypochlorite solution & 5.25% sodium hypochlorite gel against Enterococcus faecalis contaminated primary root canals with & without 810nm diode laser activation- An Ex vivo study.	2020
4.	Evaluating the efficacy of cavity disinfection using methylene blue dye with 660 nm diode laser on primary molars. – An Invivo study	2022
5	Effect of laser Photobiomodulation on post-operative pain after single visit endodontic treatment in children. – A randomized controlled trial.	2022