

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

**Central Research Laboratory**

**Completed Projects**

<b>Sl. No.</b>	<b>Title of the Project</b>	<b>Year</b>
1	Phagocytic function tests: establishing guide lines and designing normal levels in blood and saliva of healthy adult subjects.	2017-18
2	Evaluation of antioxidant and anticancer activity of Clove ( <i>Syzygium aromaticum</i> ) extract by nanoemulsion technique- An in vivo study.	2017-18
3	In-Vitro evaluation of <i>Ocimum sanctum</i> on oral squamous cell carcinoma cell lines and evaluation of efficacy of topical <i>Ocimum sanctum</i> as an adjuvant in treatment of oral potentially malignant disorders-A case control study.	2017-18
4	Antifungal activity of <i>Trachyspermum ammi</i> (Ajwain) alone and in amalgamation with antifungal drugs against select standard strains of oral <i>Candida</i> species - An in-vitro study.	2019-20
5	Detection and identification of cultivable oral treponemes through Fluorescent in Situ Hybridisation in periodontal health and disease – A comparative study.	2019-20
6	Determination of Antimicrobial susceptibility pattern and induced metronidazole resistance and prevalence of drug resistance genes in oral gram negative anaerobes.	2017-18
7	Effect of Resveratrol on biofilm formation and virulence factor gene expression of <i>Porphyromonas gingivalis</i> in periodontal disease	2019
8	Effect of curcumin on growth, biofilm formation and virulence factor gene expression of <i>Porphyromonas gingivalis</i>	2021
9	Evaluation of the prevalence of gingipain and fimbriae genotypes of <i>Porphyromonas gingivalis</i> in patients with chronic periodontitis and healthy individuals	2022
10	Genotypic characterization of <i>Porphyromonas gingivalis</i> isolated from oral cavity by Arbitrarily Primed PCR – a Microbiological study	2023
11	Phenotypic characterization of <i>Campylobacter</i> species isolated from oral cavity (A Microbiological Study)	2023

### **Projects Ongoing**

<b>Sl. No.</b>	<b>Title of the Project</b>	<b>Year of Start</b>
1	Identification of virulence factors of Tannerella forsythia in patients with chronic periodontitis using in vivo induced antigen technology.	2016-17
2	Synerism activity of Recovereez forte in comparison with standard anti-biotics.	2022
3	Efficacy of loop mediated isothermal amplification (LAMP) method to detect Porphyromonas gingivalis in chronic periodontitis patients	2023
4	Efficacy of loop mediated isothermal amplification (LAMP) method to detect T. forsythia in chronic periodontitis patients.	2023