

**MARATHA MANDAL'S NATHAJIRAO G HALGEKAR
INSTITUTE OF DENTAL SCINECS & RESEARCH CENTRE,
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Research Activities 2017-2022

Department of Oral Pathology and Microbiology

Completed Projects

Sl.no	Title of the project	Year
1	Comparative evaluation of different histochemical staining technique with Hematoxylin and Eosin to detect mast cells in oral pathological lesions.	2017
2	Detection of antibodies against Aggregatibacter actinomycetemcomitans in serum and saliva through ELISA in periodontally healthy individuals and individuals with chronic periodontitis.	2017
3	To compare the reliability of morphometric measurements of external ear obtained by direct and photographic method in sex determination among Indian adults.	2017
4	PCR based identification of various serotype of S. mutans in adults with and without dental caries	2018
5	Comparison of the efficacy of sediment cytology over exfoliative cytology in oral potentially malignant disorders and oral squamous cell carcinoma	2018
6	PCR based identification of selected newer bacterial phylotypes in primary Endodontic infections.	2018
7	Evaluation of role of pigmented and non-pigmented Prevotella species in patients with chronic periodontitis and oral health- A culture based and molecular study	2019
8	In-Vitro evaluation of Ocimum Sanctum on Oral Squamous cell carcinoma as adjuvant in treatment of Oral potentially malignant disorders – A case control study	2020
9	Detection and comparison of mutant DNA sequence in the tissue and urine samples from patients with OSCC and apparently healthy individuals	2020
10	To evaluate and compare the anticancer efficacy of cinnamon oil extract and aqueous extract of oral squamous cell carcinoma cell lines – An in-vitro study	2021
11	To investigate the effect of arecanut on cultured oral epithelial cells – An invitro study	2022

Ongoing Projects

Sl. no	Title of the project	Year
1	Comparison of miRNA181a, miRNA181b, p16 and p53 levels in Oral leukoplakia and OSCC- A cross sectional study	2022
2	Detection and comparative assessment of MiRNA21 and miRNA 26a in urine and tissue samples from patients with OSCC- A cross sectional study	2022
3	Assessment of miR222 expression with MMP1 and miR203 expression with p63 in normal oral mucosa, oral leukoplakia and OSCC – A cross sectional study	2022
4	Antifungal activity of Trachyspermum ammi (Ajwain) alone in amalgamation with antifungal drugs on select standards strains of oral Candida species – An in-vitro	2022
5	Detection and identification of cultivable and not yet cultivated oral treponemes through in Situ Hybridisation in periodontal health and diseases- A comparative study	2022