

Faculty Name :Dr.VamsiLavu

Degree : MDS , Ph.D, MSc (Lasers , Germany)

Designation :Associate Professor

Area of Research Expertise : Genetics, clinical trials, perioesthetics and regeneration

Funded Projects:

1. Co-investigator in “Prevalence of chronic periodontitis in a rural population in Tamil Nadu”.
Funded by Tamil Nadu State Council for Science and Technology.
Amount : Rupees One lakh Eighty Seven Thousand only. (Project Completed).
2. Co- investigator in “ IL-1 gene polymorphisms and chronic periodontitis: Is there a causal association?”.
Applied to Department of Science and Technology. (Sanctioned- April 2012): Rs 35 lakhs. (Project Completed).
3. Principal investigator in “Methylation status of the promoter region of Il-1 alpha gene in subjects with chronic generalized periodontitis”.
Young Faculty Research Award: Sri Ramachandra University- Rs One Lakh. (Project completed).

Recognitions : Invited Lectures

1. “Growth Factors and Tissue Engineering”. PerioAvalokan, Vishnu Dental College, Bhimavaram, Andhra Pradesh. February 19th -21st 2016.
2. Lasers are Noise- Debate: Periodeliberations. Sree Balaji Dental College and Hospital, Chennai. January 11th 2018.
3. A Millennial approach to Lasers in Periodontics. Associate Fellowship in Laser Dentistry- WCLI, 12th October 2018, Chennai- Parasu Center for Continuing education.
4. Peri-Implant disease and Conditions – Understanding 2018 classification of Periodontal disease. PerioBuzz- SRM Dental College, Ramapuram- 7th December 2018.
5. Research Methodology and Scientific Writing- Clinical Trials. FDS, SRIHER, 19th November 2018.

6. Classification of Periodontal Diseases-New Paradigms. PerioConceptz 2018. Dept of Periodontics, CSI Dental College, Madurai, 15th Sept 2018.
7. Lasers in Periodontics. PerioMelange- 5-6th April 2019, 3rd National ISP UG convention, Saveetha Dental College, Chennai.
8. Sinus Lifts vs Short Implants: Debate- Sri Muthukumaran Medical College Hospital and Research Institute, September 25-27th 2019.

Chaired sessions:

1. Scientific Co Chairman for PerioDiksha, National ISP PG Convention, March 17-18th 2018.
2. PerioDiksha, National ISP PG Convention, March 17-18th 2018- Quiz for Post graduate Students.

Courses attended :

1. CITI India Initiative on Research Ethics- Online Course completed in 2013
2. Master Course in Regenerative, Plastic-Aesthetic-Periodontal surgery, Treatment of peri-implant infections and soft tissue defects at implants- CCDE, School of Dental Medicine, University of Bern, Switzerland.- June 17-19, 2015

Clinical Workshop attended :

1. Workshop on Piezosurgery and its application in April 2016, Dubai.
2. New Paradigms in Hard tissue management. Acteon India and Dept of Periodontology- April 30th 2019.

Conferences attended : (2016-19)

1. “ IADR Asia- Pacific Symposium, Saveetha Dental College. 25th February 2017.
2. EuroPerio 9, Amsterdam, 20-23rd June 2018.

3. ICT and Contemporary tools in the Healthcare sector- The Road Ahead.... 14-15th December 2018, Chettinad University. Chennai

Membership in Committees :

External:

1. Life member of the Indian Society of Periodontology
2. Member of the International Congress of Oral Implantology
3. Life member of Indian Academy of Laser Dentistry
4. Life Member of Indian Society of Dental traumatology.

Internal:

1. Member of Alumni Committee
2. Member of Dental Education- August 2019 onwards

Publications: 10 for last 3 years (2016-2019)

International- 7:

(Impact Factor range: 0.75-4.0)

1. Srinivasan B, Chitharanjan A, Kailasam V, **Lavu V**, Ganapathy V. Evaluation of leptin concentration in Gingival Crevicular Fluid (GCF) during orthodontic tooth movement and its correlation to the rate of tooth movement. J Orthod Sci. 2019 May 23;8:1-6 doi: 10.4103/jos.JOS_58_18. eCollection 2019.
2. Sankardas PA, **Lavu V**, Lakakula BVKS, Rao SR. Differential expression of periostin, sclerostin, receptor activator of nuclear factor- κ B, and receptor activator of nuclear factor- κ B ligand genes in severe chronic periodontitis. J Investig Clin Dent. 2019 Feb;10(1):e12369. [IF- 1.1]
3. Venugopal P, Koshy T, **Lavu V**, Ranga Rao S, Ramasamy S, Hariharan S. Differential expression of microRNAs let-7a, miR-125b, miR-100, and miR-21 and interaction with NF- κ B pathway genes in periodontitis pathogenesis. J Cell Physiol. 2018 Aug;233(8):5877-5884. [IF- 4.0]
4. Venugopal P, **Lavu V**, Rao SR, Venkatesan V. Association of microRNA-125a and microRNA-499a polymorphisms in chronic periodontitis in a sample south Indian population: A hospital-based genetic association study. Gene. 2017 Oct 5;631:10-15. doi: 10.1016/j.gene.2017.07.053. [IF- 2.0]

5. **Lavu V**, Venkatesan V, Venugopal P, Lakkakula BV, Paul SF, Peria K, Rao SR. Clinical Relevance of Cytokines Gene Polymorphisms and Protein Levels in Gingival Crevicular Fluid from Chronic Periodontitis Patients. *Iran J Immunol.* 2017 Mar;14(1):51-58. doi: IJIV14i1A5. [IF-0.75].
6. Venugopal Priyanka, **Lavu Vamsi**, RangaRao Suresh, and Venkatesan Vettriselvi. Evaluation of a Panel of Single-Nucleotide Polymorphisms in miR-146a and miR-196a2 Genomic Regions in Patients with Chronic Periodontitis. *Genetic Testing and Molecular Biomarkers.* April 2017, 21(4): 228-235. doi:10.1089/gtmb.2016.0358. [IF- 1.29]
7. **Lavu V**, Venkatesan V, Bhaskar LV, Priyanka V, Kumarasamy P, Durairaj Paul SF, Rao SR. Polymorphic Regions in Fc Gamma Receptor and Tumor Necrosis Factor- α Genes and Susceptibility to Chronic Periodontitis in a Cohort From South India. *Journal of Periodontology* 2016;87(8):914-22. [IF-3.3]

National-3

1. Balaji SK, **Lavu V**, Rao S. Chronic periodontitis prevalence and the inflammatory burden in a sample population from South India. *Indian J Dent Res.* 2018 Mar-Apr;29(2):254-259. doi: 10.4103/ijdr.IJDR_335_17.
2. Sabarish R, Rao SR, **Lavu V**. Natural T Regulatory Cells (n Treg) in the Peripheral Blood of Healthy Subjects and Subjects with Chronic Periodontitis - A Pilot Study. *J Clin Diagn Res.* 2016 Mar;10(3):ZC36-9. doi: 10.7860/JCDR/2016/15449.7446.
3. Vamsi Lavu, V. Vettriselvi, V. Priyanka, R. Suresh and S. K. Balaji. Methylation status of promoter region of tumor necrosis factor alpha gene in subjects with healthy gingiva and chronic periodontitis: A pilot study. *Biomedical and Pharmacology Journal* June 2019; 12(2): 639-647.