

DR. KEERTHANA G

Senior Lecturer

Conservative Dentistry and Endodontics

Educational Qualifications

UG Degree (BDS/Bachelor): BDS

Institution: Karpaga Vinayaga Institute of Dental Sciences, Kanchipuram

University: Tamilnadu Dr.M.G.R Medical University

Year of Passing: 2016

PG Degree (MDS/Master): MDS

Specialty: Conservative Dentistry and Endodontics

Institution: Postgraduate Institute of Dental Sciences

University: Pt.Bhagwat Dayal Sharma University of Health Sciences

Year of Passing: 2021

PhD / Additional Qualifications: NIL

Professional Experience

Total Teaching Experience: 4 Years

Total Clinical Experience: 10 Years

Current Position: Senior Lecturer

Previous Academic Positions Held: Senior Resident – Postgraduate Institute of Dental Sciences – 2021-2024

Administrative Positions Held: Academic Coordinator II BDS- (Year- Present)

Member of Code of Conduct committee (Year- Present)

Professional Memberships

Professional Memberships: Indian Endodontic Society- Lifetime Member (2023-Present)

Indian Association of Conservative Dentistry and Endodontics - Lifetime Member (2018-Present)

Awards & Achievements

Awards and Recognitions:

Top 10 finalists FOR INNOVATION - Chairside pulpal gelatinase (MMP-9) electrochemical sensor as a novel diagnostic tool for assessing pulpal inflammation in irreversible pulpitis - IES PRIDE innovation challenge October **2024** at Chennai.

First Best in Session Poster – Management of Dens in Dente – A case-series at 30th National Conference of Indian Endodontic Society, New Delhi 2022

DELEGATE POSTER- Patient centric outcome assessment of endodontic microsurgery using periapical radiography and CBCT- **Third best poster** - 1st University Research Conclave **2023** conducted by University of Health Sciences, Rohtak

STUDENT PAPER – A comparison of 2D and 3D Radiography in the diagnosis and treatment planning of root canal treated with periapical lesion A case series - **Best Paper in Session** - 34th IACDE National Conference -**2019**, Navi Mumbai

STUDENT PAPER – A comparison of 2D and 3D Radiography in the diagnosis and treatment planning of root canal treated with periapical lesion A case series - **First Prize** - IACDE 2nd Zonal conference **2019**, Lucknow

Certificate of best Integrated Paper Presentation – 3rd National Conference of the Society of Biological scientists Of India – Undergraduate 2011

Special Achievements:

Prof.Dr.N. Gnanasundaram Endowment Gold Medal- Oral Medicine Diagnosis and Radiology- BDS Degree Course - **2016**

Amul Vidhya Bhushan Award – 2011

District level- Under 19 Runner in Handball – 2010

District Level- Under 19 Runner in Hockey – 2010

Publications

Total Publications: 16

Scopus Indexed Publications: 5

PubMed Indexed Publications: 5

Google Scholar Link: <https://scholar.google.com/citations?hl=en&user=JPsSfXAAAAAJ>

ORCID ID: 0000-0002-6929-7653

Major Publications:

Keerthana G, Duhan J, Tewari S* et al. Comparative analysis of accuracy of periapical radiography and cone beam computed tomography in diagnosing complex endodontic pathoses using a gold standard reference-A prospective clinical study. Int Endod J. 2021; 54(9) 1448-1461.

Gurusamy K, Duhan J*, Tewari S et al. Patient-centric outcome assessment of endodontic microsurgery using periapical radiography versus cone beam computed tomography: A randomized clinical trial. *Int Endod J.*2023; 56(1): 3–16.

Keerthana G, Duhan J*, Sangwan P, Yadav R. Importance of preoperative diagnostic imaging in treatment of maxillary central incisors with Vertucci type V root canal configuration–A report of 2 cases. *J Conserve Dent.* 2021 Jul ;24(4):408-411.

Keerthana G, Duhan J*, Sangwan P, Yadav R. Nonsurgical management of cutaneous sinus tract of odontogenic origin: A report of two cases. *J Conserve Dent.* 2021 Mar;24(2):219-222.

Durga K, Sangwan P, Sharma R, **Keerthana G**. Minimally invasive management of odontogenic cutaneous sinus with digitally designed endocrown: Case report with long-term follow-up. *Journal of Conservative Dentistry and Endodontics.* 2025 Dec 1;28(12):1308-11.

Books & Chapters

Books Published: Assistant Editor - *Lasers in Restorative Dentistry and Endodontics* ISBN- 978-81-983534-3-6 - Year 2025

Book Chapters Published: “Injectable platelet rich fibrin matrix” chapter in *Platelet Concentrates in Periodontics* ISBN – 978-81-983534-8-1 – Year 2025

Research Activities

Research Areas of Interest: Endodontic Microsurgery, Vital pulp Therapy, Cone Beam Computed Tomography, Regenerative Endodontics, Dental Trauma, Resto-Endodontic Interface, Biomaterials in Endodontics

Ongoing Research Projects: MDS Dissertation – Vital Pulp therapy in Irreversible Pulpitis

Completed Research Projects: MDS Dissertation: The Art of Retrieval- Navigating the depths of Endodontic challenges

Academic Contributions

Resource Person / Guest Lectures: 1) Resource Faculty and Hands-on Instructor for Alumni Faculty Development Program (FDP) on Rotary Endodontics 2) Resource Person – Rotary Endodontics Lecture for CRI

Conferences / Workshops Organized: 1) Alumni Faculty Development Program (FDP) on Rotary Endodontics 2) Organizing Committee- “Minimally Invasive Post Endodontic Restorations”- Hands-On Workshop

Conferences / Workshops Attended:

AI IMPACT- artificial Intelligence for Interprofessional Medical Research Proficiency and Collaborative Training – 8th December 2025 – Online workshop

“Online National Workshop on Systematic Review and Meta analysis”- 28-30th November 2025

“Minimally Invasive Post Endodontic Restorations” workshop on October 2025 – Sri Ramakrishna Institute of Dental Sciences

Workshop on Dynamic Navigation at AIIMS, New Delhi- April 2024

32nd National Conference of Indian Endodontic Society - October **2024** at Chennai

Basics of Systematic Review and Metaanalysis Workshop – November 2023 at PGIDS Rohtak.

1st University Research Conclave **2023** conducted by University of Health Sciences, Rohtak

Workshop on Microscopes in Clinical dentistry at AIIMS, Kalyani- October 2023

Basic & Advanced Implantology workshop in the ninth edition of Annual Rohtak Medical Students’ Conference at Pt. B. D. Sharma University of Health Sciences, Rohtak held on 19th October 2023.

30th National Conference of Indian Endodontic Society, New Delhi 2022

12th IFEA World Endodontic Congress - 2021

34th IACDE National Conference -**2019**, Navi Mumbai

20th IACDE National PG convention- 2019, Chandigarh

IACDE 2nd Zonal conference **2019**, Lucknow

Indian Endodontic Society Conference 2018, Goa

3rd national conference- Society of Biological Scientists of India – 2011

Guidance & Mentorship

Major Dissertation / Thesis Topics Guided: 2