

2025

Venkateshbabu Nagendrababu

Personal Statement

I completed my Bachelor of Dentistry and Master of Dental Surgery in Endodontology from India in 2005 and 2008 respectively. My research interest in Endodontology, culminated in me pursuing a PhD, which I was awarded in 2015 from Sri Ramachandra University, India. I am an ardent and focused clinician, but have a strong interest in teaching and research, which led me to pursue an academic career path. In 2008, I joined Sri Ramachandra University, India as a full-time faculty and in 2014 moved to the International Medical University, Kuala Lumpur, Malaysia. My academic experience covers more than 14 years in a range of academic and clinical roles within dentistry, particularly Endodontology. I have also been involved in setting standards for university level examination questions, and also in the development and assessment of curricula in Restorative Dentistry and Endodontics. My teaching duties include supervision of students in pre-clinical and clinical sessions, delivering small group discussions including Problem Based Learning (PBL), Case Based Learning (CBL), preparing questions and didactic lectures. I have experience of giving preclinical demonstration using typodont/natural teeth, as well as video demonstrations to improve the manual skills of students. I have been actively involved in teaching using small group discussions.

My interest in research has resulted in 192 publications (H index, Scopus -26) in peer-reviewed journals and 22 research grants totaling approximately 129,000 USD. Since, 2020, I was appointed as the Associate Editor of the *International Endodontic Journal* (Impact factor – 5.264). From 2023, I was appointed as the Associate Editor of the *Dental Traumatology* (Impact factor – 3.1). My primary research interest is on strategies to combat root canal biofilms and I have several international peer-reviewed publications on this topic. I have also developed an interest in evidence-based dentistry and have published several systematic reviews using the latest statistical tools including meta-analysis, network meta-analysis and trial sequential analysis. In addition, I have evaluated the quality of systematic reviews published in the field of Endodontics as well as Pediatric Dentistry. This project has offered recommendations to authors on the most appropriate manner to publish high quality reviews. I am one of the project leaders for developing guidelines for reporting various study designs in Endodontics (PRIDE – Preferred Reporting Items for study Designs in Endodontics, <http://pride-endodonticguidelines.org/>).

Strong research interests, good communication skill and an ethos of hard work, have provided me with the ability to proactively collaborate with many experienced Endodontists across the globe. I am fastidious in keeping abreast of developments in the clinical field of Endodontics. I regularly treat patients requiring endodontic treatment. I am interested in managing unusual root canal anatomy, retreatment, instrument retrieval, management of perforations etc.

1. Personal Information

Name	Venkateshbabu Nagendrababu
Date of Birth	25 th June 1982
Nationality	Indian
Gender	Male
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Phone	+971544563089
Permanent address	No 37, Ambedkar street, Subramaniyapuram Trichy – 20 Tamilnadu, India

2. Academic qualifications

Bachelor of Dental Surgery (B.D.S)

Rajah Muthiah Dental College
Annamalai University, Tamilnadu, India
February 2005

Master of Dental Surgery (M.D.S) (Conservative Dentistry and Endodontics).

Meenakshmai Ammal Dental College
MAHER University, Tamilnadu, India
March 2008

Doctor of Philosophy (PhD) (Endodontics)

Broad area: Nanoparticles in root canal disinfection.
Faculty of Dental Sciences
Sri Ramachandra University and Research Institute, Tamilnadu, India
March 2015

Membership of the Faculty of Dental Surgery (MFDS RCPS)

Royal College of Physicians and Surgeons of Glasgow
April 2018

Fellow of the Faculty of Dental Surgery (FDS RCPS)

Royal College of Physicians and Surgeons of Glasgow

Oct 2023

3. Working experience

May 2008 to September 2012	Senior Lecturer Department of Conservative dentistry and Endodontics, Faculty of Dental Sciences, Sri Ramachandra University and Research Institute, Tamilnadu, India.
October 2012 to November 2014	Reader Department of Conservative dentistry and Endodontics, Faculty of Dental Sciences, Sri Ramachandra University and Research Institute, Tamilnadu, India.
November 2014 to September 2020	Senior Lecturer Division of Clinical Dentistry, School of Dentistry, International Medical University, Kuala Lumpur, Malaysia.
February 2019 to September 2020	Head, Dental Skill Centre, School of Dentistry, International Medical University, Kuala Lumpur, Malaysia
June 2020 to till date	Visiting Professor, School of Dentistry, Tehran University of Medical Sciences, Tehran, Iran.
October 2020 to till date	Associate Professor, Department of Preventive and restorative Dentistry, College of Dental Medicine, University of Sharjah, Sharjah, UAE.

4. Research

4.1. Publications (Total number- 192, H index (Scopus – 29; Google scholar citations -41), Google scholar Citations – 5421)

1. Hemamalathi S, **Nagendrababu V**, Kandaswamy D. Intra-radicular rehabilitation and management of fractured teeth -A case report. Journal of Conservative Dentistry, Oct – Dec 2006, Vol 9, Issue 6, 119 -122.

2. Vishnu S, Sowmya G, Kandaswamy D, **Nagendrababu V**. Fourier Transform Infrared Spectroscopic Evaluation - Degree of Conversion of a Packable, Hybrid, Flowable composite resin cured using a light transmitting post. Journal of Conservative Dentistry, Jan – Mar 2007, Vol 10, Issue 1, 38 -42.
3. Hemamalathi S, **Nagendrababu V**, Kandaswamy D. A Single step apexification and Intraradicular rehabilitation of fractured tooth - A Case Report. Journal of Conservative Dentistry, April – June 2007, Vol 10, Issue 2, 48 -52.
4. **Nagendrababu V**, Velmurugan N, Roy A, Kandaswamy D. Evaluation of the pulp chamber morphological measurements in maxillary first premolar in Indian population. Journal of Conservative Dentistry, Oct – Dec2007, Vol 10, Issue 4, 119-121.
5. Ballal S, **Nagendrababu V**, Nandini S, Kandaswamy D. An in vitro study to assess the setting and surface crazing of conventional Glass-ionomer cement when layered over partially set mineral trioxide aggregate. Journal of Endodontics 2008; 34:478–480
6. Velmurugan N, **Nagendrababu V**, Abarajithan M, Kandaswamy D. Evaluation of the Pulp Chamber Morphological Measurements in Maxillary First Premolar in Indian population — In Vitro study - Indian Journal of Dental Research, April – June 2008; Vol 19, Issue 2, 92 - 94.
7. Kandaswamy D, **Nagendrababu V***, Porkodi I, Pradeep G Canal centering ability: an Endodontic Challenge– Literature review. Journal of Conservative Dentistry, Jan-Mar 2009, Vol 12 , Issue 1, 3 – 9.
8. Kandaswamy D, **Nagendrababu V ***, Krishna RG, Hannah R, Arathi G, Roohi R. Comparison of Laterally Compacted Gutta- Percha, Vertically Compacted Thermoplasticized Gutta-Percha and Cold Free- Flow Gutta – Percha Obturations – A Volumetric Analysis using Spiral CT-An In Vitro Study. Journal of Conservative Dentistry 12:145 :2009
9. Gopikrishna V, Pradeep G, **Nagendrababu V**. Assessment of pulp vitality: a review. Int J Paediatr Dent. 2009 Jan;19(1):3-15.
10. Kandaswamy D, **Nagendrababu V**. Root canal irrigants: A review. Journal of Conservative Dentistry, Oct – Dec2010, Vol 13, Issue 4, 256-264.
11. Kandaswamy D, **Nagendrababu V ***, Gogulnath D, Kindo AJ. Dentinal tubule disinfection with 2% Chlorhexidine gel, propolis, morinda citrifolia juice, 2% povidone iodine, and calcium hydroxide. International Endodontic Journal, 2010 May;43(5):419-23.
12. Kandaswamy D, **Nagendrababu V***, Arathi G, Roohi R, Anand S : Effect of various final irrigants on the shear bond strength of sealers to dentin. Journal of Conservative Dentistry 2011 Jan;14(1):40-2.

13. Gopikrishna V, **Nagendrababu V**, Datta K, Kandaswamy D. Evaluation of the effect of MTAD in comparison with EDTA when employed as the final rinse on the shear bond strength of three endodontic sealers to dentin- Australian Endodontic Journal 2011 Apr;37(1):12-7.
14. Kandaswamy D, **Nagendrababu V**. Clinical steps in reducing polymerisation shrinkage. Journal of Conservative and Endodontic Society of Kerala. Apr 2011 1(1):7-9.
15. Vaghela DJ, Kandaswamy D, **Nagendrababu V**, Jamini N, Ganesh A. Disinfection of dentinal tubules with two different formulations of calcium hydroxide as compared to 2% chlorhexidine: As intracanal medicaments against Enterococcus faecalis and Candida albicans: An in vitro study. J Conserv Dent. 2011 Apr;14(1): 27-31
16. Kandaswamy D, Jeyavel Rajan, **Nagendrababu V ***, Porkodi I. Shear bond strength evaluation of resin composite bonded to GIC using self etching bonding agents with different Ph – in vitro study. J Conserv Dent. 2012 Jan – Marc 15(1):182-6.
17. **Nagendrababu V ***, Emmanuel S, Santosh GK, Kandaswamy D. Comparison of the canal centring ability of K3, Liberator and EZ Fill Safesiders by using spiral computed tomography. Aust Endod J. 2012 Aug;38(2):55-9.
18. Pradeep M, **Nagendrababu V**, Emmanuel S, Kandaswamy D. Efficacy of F file compared to ultrasonic techniques using scanning electron microscopy. Newyork state Dental Journal 2012 Aug-Sep;78(5):54-7.
19. Eswar K, **Nagendrababu V**, Rajeswari K, Kandaswamy D. Dentinal tubule disinfection with 2% chlorhexidine, garlic extract, and calcium hydroxide against Enterococcus faecalis by using real-time polymerase chain reaction: In vitro study. J Conserv Dent. 2013 May;16(3):194-8
20. Ganesh A, **Nagendrababu V**, John A, Deenadhayalan G, Kandaswamy D. Fracture resistance of endodontically treated teeth and retreated teeth by using spiral CT. J Conserv Dent. 2014 Jan;17(1):61-4
21. Sofi Beaula W, Gowri M, Panda JJ, Rajeswari K, **Nagendrababu V**, Mohanapriya CD, Kandaswamy D, Cauhan VS, Ganesh V. Antimicrobial Activity of cationic peptides in endodontic procedures. European Journal of Dentistry, Vol 8 / Issue 2 / Apr-Jun 2014, 254-260.
22. **Nagendrababu V**, Meiyazhagan Gowri, Subramanian Balakumar, Chandrasekar Ashokraja, Deivanayagam kandaswamy, and Venkatraman Ganesh. Disinfection of Dentinal

Tubules with Silver Nanoparticles and 2% Chlorhexidine Against *Enterococcus faecalis*. *Journal of Bionanoscience*, Volume 9, Number 1, February 2015, 63-67.

23. Arathi. G, **Nagendrababu V**, Deepthi. Jayaleelashri. J, Saranya V, Kandaswamy. D. In-vitro antimicrobial efficacy of aqueous extract of Areca nut against *Enterococcus faecalis*. *Indian Journal of Research in Pharmacy and Biotechnology* 2015 March-April 3(2), 147-150.

24. Meiyazhagan G, Raju R, Winfred SB, Mannivanan B, Bhoopalan H, Shankar V, Sekar S, Venkatachalam DP, Pitani R, **Nagendrababu V**, Thaiman M, Devivanayagam K, Jayaraman J, Ragavachary R, Venkatraman G. Bioactivity Studies of β -Lactam Derived Polycyclic Fused Pyrroli-Dine/Pyrrolizidine Derivatives in Dentistry: In Vitro, In Vivo and In Silico Studies. *PLoS One*. 2015 Jul 17;10(7):e0131433.

25. Ganesh A, **Nagendrababu V**, John A, Deivanayagam K. The Effect of Addition of an EPS Degrading Enzyme with and without Detergent to 2% Chlorhexidine on Disruption of *Enterococcus faecalis* Biofilm: A Confocal Laser Scanning Microscopic Study. *J Clin Diagn Res*. 2015 Nov;9 (11):ZC61-5.

26. Anand S, Rajan M, **Nagendrababu V**, Kandaswamy D, Shravya Y, Rajeswari K. Evaluation of the Antibacterial Efficacy of *Azadirachta Indica*, *Commiphora Myrrha*, *Glycyrrhiza Glabra* Against *Enterococcus Faecalis* using Real Time PCR. *Open Dent J*. 2016 May 11;10:160-5.

27. **Nagendrababu V ***, Suresh Anand, Mohan Abarajithan, Sultan Omer Sheriff, Pulikkotil Shaju Jacob, Nath Sonia. Natural Therapeutic Options in Endodontics– A Review. *Open Dent J*. 2016 May 11;10:214-26

28. **Nagendrababu V***, Gutmann JL. Factors associated with postobturation pain following single-visit nonsurgical root canal treatment: A systematic review. *Quintessence Int*. 2017;48(3):193-208.

29. **Nagendrababu V***, Meiyazhagan G, Beaula WS, Kalaiselvam R, Subramanian B, Chandrasekar A, Lakshmikanthanbharathi L, Kandaswamy D, Venkatraman G. Comparison of the Antibacterial Efficacy of Silver Nanoparticles with Chlorhexidine against *Enterococcus faecalis* Biofilm—An In Vitro Study. *Journal of Nanoscience and Nanotechnology* 2017, 17(7), 4613–4617.

30. Varadan P, Ganesh A, Konindala R, **Nagendrababu V**, Ashok R, Deivanayagam K. Comparison of the Antibacterial Efficacy of Alexidine and Chlorhexidine Against *Enterococcus Faecalis*: An in Vitro Study. *Cureus* 2017; 9(10): e1805. doi:10.7759/cureus.1805

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Staphylococcus epidermidis to root canal dentin: an in vitro study. Restor Dent Endod. 2018;43:e1.

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33. SJ Pulikkotil, **V Nagendrababu**, SK Veettil, P Jinatongthai, FC Setzer. Effect of oral premedication on the anaesthetic efficacy of inferior alveolar nerve block in patients with irreversible pulpitis– A systematic review and network meta-analysis of randomized controlled trials. Int Endod J. 2018 Sep;51(9):989-1004.

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35. **Nagendrababu V**, Pulikkotil SJ, Veettil SK, Teerawattanapong N, Setzer FC. Effect of NSAID as an oral premedication on the anesthetic success of Inferior Alveolar Nerve Block in treatment of irreversible pulpitis: A systematic review with meta-analysis and trial sequential analysis. J Endod 2018 Jun;44(6):914-922.

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37. **Nagendrababu V***, Pulikkotil SJ, Veettil SK, Jinatongthai P, Gutmann JL. Efficacy of Biodentine and Mineral Trioxide Aggregate in primary molar pulpotomies– A systematic review and meta-analysis with trial sequential analysis of randomized controlled trials. J Evid Based Dent Pract. 2019 Mar;19(1):17-27.

38. Ramar N, Sheriff OS, Pulikkotil SJ, **Nagendrababu V**, Neelakantan P, Amalraj FD. Effect of root canal debridement on inflammatory cytokine levels. Aust Endod J. 2018 Sep 19.

39. **V Nagendrababu***, SJ Pulikkotil, OS Sultan, J Jayaraman, JA Soh, PMH Dummer. Effectiveness of technology-enhanced learning in Endodontic education: a systematic review and meta-analysis. Int Endod J 2019 Feb;52(2):181-192..

40. **Nagendrababu V***, BS Chong, P McCabe, PK Shah, E Priya, J Jayaraman, SJ Pulikkotil, PMH Dummer. Guidelines for reporting the quality of clinical case reports in Endodontics: a development protocol. Int Endod J. 2019 Jun;52(6):775-778.

41. **Nagendrababu V***, Pulikkotil SJ, Suresh A, Veettil SK, Bhatia S, Setzer FC. Efficacy of local anaesthetic solutions on the success of inferior alveolar nerve block in patients with irreversible pulpitis - a systematic review and network meta-analysis of randomized clinical trials. Int Endod J. 2019 Jun;52(6):779-789.

42. **V Nagendrababu***, HF Duncan, L Bjørndal, T Kvist, E Priya, SJ Pulikkotil, J Jayaraman, PMH Dummer. Preferred Reporting Items for RAndomized Trials in Endodontics (PRIRATE) guidelines: a development protocol. *Int Endod J.* 2019 Jul;52(7):974-978.
43. **V Nagendrababu***, Pulikkotil SJ, Jinatongthai P, Veettil SK, Teerawattanapong N, Gutmann JL. Efficacy and safety of oral premedication on pain following non-surgical root canal treatment – A systematic review and network meta-analysis of randomized controlled trials. *J Endod.* 2019 Apr;45(4):364-371.
44. **Nagendrababu V***, Ahmed HMA. Shaping properties and outcomes of nickel titanium rotary and reciprocation systems using micro-computed tomography – A systematic review. *Quint Int* 2019;50(3):186-195.
45. Decurcio DA, Rossi-Fedele G, Estrela C, Pulikkotil SJ, **Nagendrababu V**. Machine-assisted irrigant agitation techniques reduce postoperative pain following root canal treatment: a systematic review and meta-analysis from randomized clinical trials. *J Endod.* 2019 Apr;45(4):387-393.
46. Pulikkotil SJ, Jayaraman J, **Nagendrababu V**. Quality of abstract of systematic reviews and meta-analyses in paediatric dentistry journals. *Eur Arch Paediatr Dent.* 2019 Mar 18. doi: 10.1007/s40368-019-00432-w.
47. **Nagendrababu V***, Duncan HF, Tsesis I, Sathorn C, Pulikkotil SJ, Dharmarajan L, Dummer PMH. PRISMA for abstracts: best practice for reporting abstracts of systematic reviews in Endodontology. *Int Endod J.* 2019 Mar 19:1096-1107.
48. **Nagendrababu V***, Murray PE, Ordinola-Zapata R, Peters OA, Rôças IN, Siqueira JF Jr, Dummer PMH. Improving the design, execution, reporting and clinical translation of laboratory-based studies in Endodontology. *Int Endod J.* 2019 Aug;52(8):1089
49. **Nagendrababu V***, Murray PE, Ordinola-Zapata R, Peters OA, Rôças IN, Siqueira JF Jr, Priya E, Jayaraman J, Pulikkotil SJ, Dummer P. A protocol for developing reporting guidelines for laboratory studies in Endodontology *Int Endod J.* 2019 Aug;52(8):1090-1095.
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51. **Nagendrababu V**, Murray PE, Kishen A, Nekoofar MH, de Figueiredo JAP, Dummer PMH. Animal testing: a re-evaluation of what it means to Endodontology. *Int Endod J.* 2019 Sep;52(9):1253-1254.
52. **Nagendrababu V***, Kishen A, Murray PE, Nekoofar MH, de Figueiredo J, Priya E, Jayaraman J, Pulikkotil SJ, Dummer PMH. Preferred Reporting Items for Animal studies in Endodontics (PRIASE): a development protocol. *Int Endod J.* 2019 Sep;52(9):1290-1296.

53. Decurcio DA, Lim E, **Nagendrababu V**, Estrela C, Rossi-Fedele G. Difficulty levels of extracted human teeth used for pre-clinical training in endodontics in an Australian dental school. *Aust Endod J*. 2019 Jul 2.
54. Ooi HY, Tee WY, Davamani F, **Nagendrababu V***. Comparing the antimicrobial efficacy of pediocin with chlorhexidine and calcium hydroxide as intracanal medicaments against persistent root canal infections. *J Conserv Dent*. 2019 May-Jun;22(3):241-244.
55. Jayaraman J, Dhar V, Donly KJ, Priya E, Innes NP, Clarkson J, Raggio DP, Childers N, Wright T, King N, **Nagendrababu V**, Clarke M. Reporting standards for research in Pediatric Dentistry (RAPID): a development protocol. *Int J Paediatr Dent*. 2020 Jan;30(1):96-103.
56. Ordinola-Zapata R, Peters O, **Nagendrababu V**, Azevedo B, Dummer P, Neelakantan P. What is of interest in Endodontology? A bibliometric review of research published in the International Endodontic Journal and the Journal of Endodontics from 1980 to 2019. *Int Endod J*. 2019 Aug 27.
57. **Nagendrababu V***, Duncan HF, Whitworth J, Nekoofar MH, Pulikkotil SJ, Veetil SK, Dummer P. Comparing the anaesthetic efficacy of articaine with lidocaine in patients with irreversible pulpitis: An umbrella review. *Int Endod J*. 2020 Feb;53(2):200-213.
58. **Nagendrababu V***, Dilokthornsakul P, Jinatongthai P, Veetil SK, Pulikkotil SJ, Duncan HF, Dummer PMH. Glossary for systematic reviews and meta-analyses. *Int Endod J*. 2020 Feb;53(2):232-249.
59. **Nagendrababu V***, Aly Ahmed HM, Pulikkotil SJ, Veetil SK, Dharmarajan L, Setzer FC. Anesthetic Efficacy of Gow-Gates, Vazirani-Akinosi, and Mental Incisive Nerve Blocks for Treatment of Symptomatic Irreversible Pulpitis: A Systematic Review and Meta-analysis with Trial Sequential Analysis. *J Endod*. 2019 Oct;45(10):1175-1183.
60. Nguyen D, **Nagendrababu V**, Pulikkotil SJ, Rossi-Fedele G. Effect of occlusal reduction on postendodontic pain: A systematic review and meta-analysis of randomised clinical trials. *Aust Endod J*. 2019 Oct 22. doi: 10.1111/aej.12380. [Epub ahead of print]
61. **Nagendrababu V***, Segura-Egea JJ, Fouad AF, Pulikkotil SJ, Dummer P. Association between diabetes and the outcome of root canal treatment in adults: An umbrella review. *Int Endod J*. 2020 Apr;53(4):455-466.
62. Jayaraman J, **Nagendrababu V**, Pulikkotil SJ, Veetil SK, Dhar V. Effectiveness of formocresol and ferric sulfate as pulpotomy material in primary molars: a systematic review and meta-analysis with trial sequential analysis of randomized clinical trials. *Quintessence Int*. 2020;51(1):38-48.
63. Keong JY, Low LW, Chong JM, Ong YY, Pulikkotil SJ, Singh G, **Nagendrababu V**, Banavar SR, Khoo SP. Effect of lipopolysaccharide on cell proliferation and vascular endothelial

growth factor secretion of periodontal ligament stem cells. *The Saudi Dental Journal*. 2020 Mar;32(3):148-154.

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65. Ahmed HMA, Adura Z, Azami NH, Farook M, Khan AA, Noor NSM, Ayoub AA, Imran ZA, Halim MS, Pai AR, Kacharaju K, Mohammad N, **Nagendrababu V**, Nabhan MS, Dummer PMH. Application of a new system for classifying root canal morphology in undergraduate teaching and clinical practice: A national survey in Malaysia. *Int Endod J.* 2020 Jan 31. doi: 10.1111/iej.13271.

66. **Nagendrababu V***, Chong BS, McCabe P, Shah PK, Priya E, Jayaraman J, Pulikkotil SJ, Setzer FC, Sunde PT, Dummer P. PRICE 2020 Guidelines for reporting case reports in Endodontics: A consensus-based development. *Int Endod J.* 2020 May;53(5):619-626.

67. **Nagendrababu V**, Duncan HF, Dummer PMH. Research that matters: systematic reviews and meta-analyses. *Int Endod J.* 2020 Apr;53(4):437-439.

68. **Nagendrababu V**, Kishen A, Chong BS, Priya E, Duncan HF, Rôças IN, Jayaraman J, de Figueiredo JAP, Siqueira JF Jr, Bjørndal L, Nekoofar MH, Peters OA, McCabe P, Murray PE, Shah PK, Ordinola-Zapata R, Pulikkotil SJ, Kvist T, Dummer PMH. Preferred Reporting Items for Study Designs in Endodontology (PRIDE): Guiding Authors to Identify and Correct Reporting Deficiencies in Their Manuscripts Prior to Peer Review. *Int Endod J* 2020 May 53 (5), 589-590.

69. **Nagendrababu V***, Duncan HF, Bjørndal L, Kvist T, Priya E, Jayaraman J, Pulikkotil SJ, Pigg M, Rechenberg DK, Vaeth M, Dummer P. PRIRATE 2020 guidelines for reporting randomized trials in Endodontics: a consensus-based development. *Int Endod J.* 2020 Jun;53(6):764-773.

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73. **Nagendrababu V***, Duncan HF, Fouad AF, Kirkevang LL, Parashos P, Pigg M, Vaeth M, Jayaraman J, Dummer P. Preferred Reporting items for OBservational studies in Endodontics (PROBE): a development protocol. *Int Endod J*. 2020 May 4.
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77. Daood U, Matinlinna JP, Pichika MR, Mak KK, **Nagendrababu V**, Fawzy AS. A quaternary ammonium silane antimicrobial triggers bacterial membrane and biofilm destruction. *Sci Rep*. 2020 Jul 3;10(1):10970.
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80. Naicker D, Zilm P, **Nagendrababu V**, Rossi-Fedele G. Effects of osmotic stress and sodium hypochlorite on endodontic microbiota: an in-vitro study. *Eur Endod J*. 2020 Dec;5(3):242-247.
81. Suresh N, **Nagendrababu V**, Koteeswaran V, Haritha JS, Swetha SD, Varghese A, Natanasabapathy V. Effect of preoperative oral administration of steroids in comparison to an anti-inflammatory drug on postoperative pain following single-visit root canal treatment - a double-blind, randomized clinical trial. *Int Endod J*. 2021 Feb;54(2):198-09.
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83. **Nagendrababu V**, Dummer PM. Preferred Reporting Items for study Designs in Endodontology (PRIDE): Guiding authors to produce high quality manuscripts. *J Conserv Dent* 2020 Jul 1;23(4):320 – 4.

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4.2. Chapter in Textbook

1. E Kandaswamy, **V Nagendrababu**, K Deivanayagam. Antimicrobial effect of nanoparticles in Endodontics. In: Alexandru Mihai Grumezescu, ed. *Nanobiomaterials in dentistry*, Elsevier Inc, 2016, 161-187.
2. Cushley S, Shimizu E, Kobayashi Y, and **Nagendrababu V**. Outcome of Vital Pulp Treatment and Regenerative Endodontics. In Duncan, Henry F. *Vital Pulp Treatment*. Available from: VitalSource Bookshelf, Wiley Professional, Reference & Trade (Wiley K&L), 2024.

4.3. Grants

Sl. No	Principal investigator /Co Investigator	Title of project	Funding agency	Quantum of funds
1	Co-Investigator or	Assessment for preclinical utility of peptide nanostructure in endodontic procedures.	DBT – RGYI	9,30,000.00 INR
2	Principal Investigator or	An investigation on the antibacterial efficacy of nanoparticulates for root canal disinfection – An invitro study.	SRMC- Young Faculty Research Grant	65,000.00 INR
3	Co-Investigator or	Dentinal tubule disinfection with 2% chlorhexidine, garlic extract, and calcium hydroxide against Enterococcus faecalis by using real-time polymerase chain reaction: In vitro study.	Chancellor Summer Research Fellowship for UGs	10,000 INR
4	Co-investigator or	Immunolocalisation of TIMP1 and TIMP2 in root canal treated Dentin – An In vitro Study	Chancellor Summer Research Fellowship for UGs	10,000 INR
5	Co-Investigator or	Evaluatuon of matrix metalloproteinase 1 (mmp-1) and tissue inhibitor of metalloproteinase 1 (timp-1) in root dentin before and after root canal cleaning and shaping procedures	Chancellor Summer Research Fellowship for UG	10,000 INR
6	Principal Investigator or	Effect of NaOCl, EDTA and Chlorohexidine irrigants on hydrophobicity and adherence of Fusobacterium nucleatum to root dentin – An In Vitro study	IMU Grant	20,000 RM
7	Co-Investigator or	Efficacy of nanographene as an antimicrobial agent against enterococcus	IMU Grant	10,000 RM

		faecalis and candida albicans in root canal treatment: An ex-vivo study		
8	Principal Investigator	Comparison of antimicrobial efficacy of bacteriocins peptides, chlorhexidine and calcium hydroxide as intracanal medicament against root canal infections.	IMU Grant	6,000 RM
9	Co-Investigator	Effect of lipopolysaccharides on proliferation and secretion of vascular endothelial growth factor from periodontal stem cells.	IMU Grant	12,000 RM
10	Principal Investigator	Evaluation of the methodological tools used in assessing the quality of studies included in systematic review and meta-analysis in endodontology journals.	IMU Grant	7000 RM
11	Co-Investigator	Micro-computed Tomography Assessment of canal centering ability, transportation and Dentinal Microcrack Formation after different instrumentation techniques: An invitro Study	IMU Grant	19,500 RM
12	Principal Investigator	Antimicrobial efficacy of calcium hydroxide gold nanoparticles suspension against Enterococcus faecalis and Candida albicans.	IMU Grant	6000 RM
13	Co-Investigator	Mechanical and spectroscopic analysis of wave gold file twisted adaptive file, XP-endo shaper after root canal instrumentation.	IMU Grant	16,500 RM
14	Co-Investigator	Comparing two education methods (technology enhanced learning and traditional) on learning for developing research proposal among undergraduate dental students.	IMU Grant	7000 RM

15	Principal Investigator or	Efficacy of silane-based antimicrobial in Endodontic infections.	IMU Grant	12000 RM
16	Co-Investigator or	Root canal biofilm analysis: a quaternary ammonium silane (QAS) based intracanal medicament	IMU Grant BDS I-01/2019 (11)	9000 RM
17	Co-Investigator or	Cone beam computed tomographic assessment of the C-shape mandibular first and second molars along Malaysian Chinese population	IMU Grant BDS I-01/2019 (05)	6000 RM
18	Co-Investigator or	Comparison of apical extrusion of intracanal bacteria and dentinal crack formation among various glide systems: An in vitro	IMU Grant BDS I-01/2019 (17)	6000 RM
19	Principal Investigator or	Effect of novel algae extract capped silver nanoparticles on Enterococcus faecalis biofilm and dental pulp stem cells	SEED grant, UOS	40000 AED
20	Co-Investigator or	Antimicrobial drug discovery of A new Quaternary ammonium silane: Effect on pulpal stem cells	IMU Grant FRGS	90400 RM
21	Co-Investigator or	Antimicrobial efficacy and biocompatibility of green synthesized silver and copper oxide nanoparticles capped with Barleria prionitis on oral pathogens	Competitive grant, UoS	95000 AED
22	Principal Investigator or	Development of a thermo-sensitive nanomaterial hydrogel for regenerative endodontic treatment	Competitive grant, UoS	119500 AED

4.4. Editorial board and Reviewer panel- journals

Associate Editor:

1. *International Endodontic Journal*
2. *Dental Traumatology*

Scientific Advisory Member: Journal of Endodontics

Editorial Board member:

Journal of Evidence Based Dental Practice

International Dental Journal

Journal of Iranian Dental association

Reviewer:

1. International Endodontic Journal,
2. Journal of Endodontics,
3. Journal of Evidence based dental practice,
4. Australian Endodontic journal,
5. European Endodontic Journal,
6. Clinical oral investigation
7. International Dental Journal

4.5. Awards and Recognitions

- 1) Second Best Paper Award for title "Evaluation of the pulp chamber size of human mandibular first molars in Indian population. - an in vitro study" - 25th Tamilnadu state dental conference at Erode, Tamilnadu, 1st & 2nd December 2007.
- 2) Best paper award for "An In Vitro Study to Assess the Setting and Surface Crazeing of Conventional Glass Ionomer Cement when Layered over Partially Set Mineral Trioxide Aggregate" – Indian Society of Dental Research at Chennai, Tamilnadu, 15th & 16th November in 2008.
- 3) "Young Achiever award" for dedication and academic contribution in the field of Conservative dentistry and Endodontics from Conservative Dentistry and Endodontics Association of Tamilnadu (CEAT) in 2016.
- 4) Editor's choice article of the Issue: Jayaraman J, **Nagendrababu V**, Pulikkotil SJ, Innes NP. Critical appraisal of methodological quality of Systematic Reviews and

Meta-analysis in Paediatric Dentistry journals. Int J Paediatr Dent. 2018 Aug 1.
<https://doi.org/10.1111/ipd.12438>.

- 5) “Young investigator award – Research & Publication (Individual category)” in 2018 from International Medical University, Kuala Lumpur.
- 6) “Decurcio DA, Rossi-Fedele G, Estrela C, Pulikkotil SJ, **Nagendrababu V**. Machine-assisted Agitation Reduces Postoperative Pain during Root Canal Treatment: A Systematic Review and Meta-analysis from Randomized Clinical Trials. J Endod. 2019 Apr;45(4):387-393” has been selected as an Honorable Mention in the Journal of Endodontics Awards - 2020.
- 7) “Young investigator award – Research & Publication (Individual category)” in 2019 from International Medical University, Kuala Lumpur.
- 8) “Investigator award – Research & Publication (Individual category)” in 2019 from International Medical University, Kuala Lumpur.
- 9) “Master Class award” from Conservative Dentistry and Endodontics Association of Tamilnadu (CEAT) in 2021.