

- Area of Research Expertise: Early Childhood Caries, Dental Traumatology, Dental Education and Teaching Methodologies.
  - Awards & Recognitions of faculty
1. Membership of the Royal College of Physicians and Surgeons (Glasgow)  
Conferred with the Membership of the Faculty of Dental Sciences of the Royal College of Physicians and Surgeons of Glasgow ( MFDSRCPS - Glasgow) - In Dec 2015
  2. Gold medal for highest impact factor publication in 2016 from SRU.
- Guest lectures
1. “Pedo Esthetics” in CDE - Intern Orientation held on February 2016 at SRU, Chennai
  2. “Zirconia Crowns - Sparkle the Pearls” in CDE and Handson workshop held on February 2016 at SRU, Chennai
  3. “Breaking the MDS myth” in CDE Program held on February 2016 at Venkateswara Dental College, Chennai
  4. “Esthetic Crowns in Pediatric Dentistry - Are Zirconia Crowns the Final Answer” in ISPPD - PG convention held on February 2016 at Shilpakala Vedika, Hyderabad
  5. “Going Abroad” in CDE Program held on March 2016 at Tamilnadu Government Dental College, Chennai
  6. “Prevention of Early Childhood Caries - Where are we heading?” in IndoCleftCon - National Conference held on March 2016 at PGIMER, Chandigarh
  7. “Current Trends in Caries Management - Will sealing heal?” in CDE Program held on February 2016 at Seema Dental College, Rishikesh
  8. “Oral Health for Systemic Health - Pediatric Perspectives for Medical Practitioners and Pediatricians” in CDE program by Ambattur - IMA held on April 2016 at Hotel JP, Koyambedu, Chennai
  9. “Early Childhood Caries - A different disease” in Webinar held on May 2016 at Colgate Office, Chennai
  10. “Minimally Invasive Dentistry and its evidence based incorporation into contemporary Pedodontics” in ISPPD - National Symposium on MID and Laser Dentsitry held on June 2016 at KLE Belgaum Institute of Dental Sciences, Belgaum
  11. “Current Paradigms of Prevention for Children” in ISPPD - National Symposium on MID and Laser Dentsitry held on February 2016 at KLE Belgaum Institute of Dental Sciences, Belgaum
  12. “Clinical Overview of Dentinal Hypersensitivity” in Colgate - Clove Sensitive Launch held on July 2016 at Hotel Fortune Pandian, Madurai
  13. “Restoring Primary Teeth - The Zirconia Way” in CDE and Hands on Workshop held on July 14 2016 at AB Shetty Institute of Dental Sciences, Mangalore
  14. “Clinical Overview of Dentinal Hypersensitivity” in Colgate - Clove Sensitive Launch held on July 16th 2016 at Quillon Beach Resort, Quillon
  15. “Clinical Overview of Dentinal Hypersensitivity” in Colgate - Clove Sensitive Launch held on July 17th 2016 at Hotel Fortune South Park, Trivandrum
  16. “Success & Happiness” in Intra College Orientation held on July 26th 2016 at SRMC, Chennai
  17. “Psychological Ownership” in III BDS held on July 26th 2016 at SRU, Chennai

18. “The Path Ahead - Ist MDS Orientation” in CDE - Ist MDS Orientation held on July 28<sup>th</sup> 2016 at PWD Guest House Seminar Hall, Cochin
19. “Research Methodology Workshop” in Workshop held on Sep 5<sup>th</sup> & 6<sup>th</sup> 2016 at PMS Dental College, Trivandrum
20. “Early Childhood Caries - A different disease” in CDE Program held on September 10<sup>th</sup> 2016 at Regional Dental College, Guwahati
21. “Host factors of Early Childhood Caries – Should we dig deeper?” in National ISPPD Conference held on 22<sup>nd</sup> Oct 2016 at Le Meridien, Cochin

- Workshop, training undergone by faculty

1. Introduction to Systematic Review and Meta Analysis (With Distinction) – John Hopkins University – July, Aug 2015.
2. Design and Interpretation of Clinical Trials (With Distinction) – John Hopkins University – May 2015.
3. Workshop on Developing a Protocol for a Cochrane Systematic Review - Feb 2013, South Asian Cochrane Network & Centre, CMC Vellore, India.
4. CAMBRA – Caries Management by Risk Assessment – By University of San Francisco, California (Grade 82%) – Aug 2013 – Oct 2013.
5. Health in Numbers: Quantitative Methods in Clinical & Public Health Research (Grade 92%) - Harvard X - Harvard University – Oct 2012 – Feb 2013.

- List of Publications

1. Henry JA, Muthu MS, Saikia A, Asaithambi B, Swaminathan K. [Prevalence and pattern of early childhood caries in a rural South Indian population evaluated by ICDAS with suggestions for enhancement of ICDAS software tool](#). Int J Paediatr Dent. 2016 Jul 20. doi: 10.1111/ipd.12251. [Epub ahead of print]
2. Niviethitha S, Muthu MS, Kavitha S. [In Vitro Assessment of Enamel Permeability in Primary Teeth with and without Early Childhood Caries Using Laser Scanning Confocal Microscope](#). J Clin Pediatr Dent. 2016;40(3):215-20. doi: 10.17796/1053-4628-40.3.215.
3. Sumanth KN, Prashanti E, Aggarwal H, Kumar P, Lingappa A, **Muthu MS**, KiranKumar Krishanappa S. [Interventions for treating post-extraction bleeding](#). Cochrane Database Syst Rev. 2016 Jun 10;6: CD011930.doi:10.1002/14651858.CD011930.pub2. Review. PubMed PMID: 27285450.
4. Muthu MS, Ankita S, Renugalakshmi A, Richard K. [Impact of Pharmacological Interventions in Expectant Mothers Resulting in Altered Mutans Streptococci Levels in their Children](#). Pediatr Dent. 2015;37(5):422-8. PubMed PMID: 26531084.

5. Narrenthran JS, Muthu MS, Renugalakshmi A. [In vivo scanning electron microscope assessment of enamel permeability in primary teeth with and without early childhood caries](#). Caries Res. 2015;49(3):209-15.
6. Das B, Muthu MS, Farzan JM. [Comparison of the chemical composition of normal enamel from exfoliated primary teeth and teeth affected with early childhood caries: an in vitro study](#). Int J Paediatr Dent. 2015 Jan 21. doi:10.1111/ipd.12153. [Epub ahead of print]
7. Pramila R, Muthu MS, Deepa G, Farzan JM, Rodrigues SJ. [Pulpectomies in primary mandibular molars: a comparison of outcomes using three root filling materials](#). Int Endod J. 2015 Jun 9. doi: 10.1111/iej.12478. [Epub ahead of print]
8. Amarlal D, Muthu MS. [Supernumerary teeth: review of literature and decision support system](#). Indian J Dent Res. 2013 Jan-Feb;24(1):117-22.doi:10.4103/0970-9290.114911. PubMed PMID: 23852244.
9. Mahesh R, Muthu MS, Rodrigues SJ. [Risk factors for early childhood caries: a case-control study](#). Eur Arch Paediatr Dent. 2013; 14(5): 331-337. PubMed PMID: 24072424.
10. Muthu MS, Farzan JM, Prathibha KM. [A new and simple infant assessment table](#). Indian J Dent Res. 2013 Jul-Aug;24(4):515-7. PubMed PMID: 24047850.
11. Das B, Muthu MS. [Surgical extrusion as a treatment option for crown-root fracture in permanent anterior teeth: a systematic review](#). Dent Traumatol. 2013; 29(6):423-31.PMID: 23802693.
12. Aarthi J, Muthu MS, Sujatha S. [Cariogenic potential of milk and infant formulas: a systematic review](#). Eur Arch Pediatr Dent 2013; 14(5):289-300.