

Vitae

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Tenured Professor (Retired) – *Public Health Sciences*

Texas A&M University College of Dentistry



Education:

- 1993 - 1996 Post-Doctoral Fellowship in Infectious Disease Control in Dentistry. The University of Texas Health Science Center at San Antonio Dental School, San Antonio, TX, USA
- 1990 - 1992 Residency in Dental Public Health. The University of Alabama at Birmingham School of Dentistry & Jefferson County Department of Health - Bureau of Dental Health, Birmingham, AL, USA
- 1988 - 1990 Masters of Public Health MPH, Program in Epidemiology, Health Promotion, International Health and an additional Dental Public Health Track. The University of Alabama at Birmingham School of Public Health, Birmingham, AL, USA
- 1979 - 1983 University of Mysore - Bapuji Educational Association, India, Bachelor of Dental Surgery (BDS), Davangere, India (University of Mysore, India)
- 1978 - 1979 Bachelor of Science – 1st Yr., in Chemistry, Botany, Zoology & Additional Physics. KLES Society, Bangalore University, Bangalore, India,
- 1976 - 1978 Pre-University Certificate in Physics, Chemistry, Mathematics and Biology. MES College and KLES Society, Bangalore, India.
- 1969 – 1975 Indian Secondary School Certificate Examination - ICSE (Similar to “O” Levels). Bishop Cotton Boys’ School, Bangalore, India

Employment:

- Sept. 2019 Resigned & Retired from Department of Public Health Sciences, Texas A&M College of Dentistry, Dallas, TX, USA
- May 2019 Tenured Professor – Public Health Sciences, Texas A&M University College of Dentistry Dallas, TX, USA
- 2013- 2019 Tenured Professor - Diagnostic Science, Texas A&M University College of Dentistry Dallas, TX, USA
- 2017-Current Visiting Professor-Public Health, Coorg Institute of Dental Sciences, Virajpet, Karnataka, India
- 2004 – 2013 Associate Professor Tenured – Diagnostic Science, Texas A&M University College of Dentistry, Dallas, TX, USA
- 2004 – 2019 Graduate Faculty – Graduate School of Biomedical Sciences, Texas A&M University System Health Science Center, Dallas, TX, USA
- 2004 – 2008 Director - Infection Control, Diagnostic Science, Texas A&M University College of Dentistry, Dallas, TX, USA
- 1997 – 2004 Assistant Professor - Tenure Track, Diagnostic Science, Texas A&M University College of Dentistry, Dallas, TX, USA
- 1997 – 2002 Adjunct Faculty, Trans-cultural Dental Unit & Consultant to The WHO Collaborating Center Eastman Dental Institute, University College of London, London, United Kingdom
- 1993 – 1996 Adjunct Assistant Professor, Dental Diagnostic Science, The University of Texas Health Science Center at San Antonio Dental School, San Antonio, TX, USA
- 1990 – 1992 Project Coordinator & Data Editor (Graduate Assistantship and Practical Training), Department of Preventive Medicine, The University of Alabama at Birmingham, Birmingham, AL, USA

- 1985 – 1988 Research Officer – Dentist *Indian Council of Medical Research*, Oral Cancer Project, Kidwai Memorial Institute of Oncology, Bangalore, India, Collaboration Project of The Indian Council of Medical Research and the World Health Organization
- 1985 - 1986 Consultant Dentist in Charge of Oral Health Screening, Christian Childrens' Fund, South Indian Section, Bangalore, India
- 1983 – 1986 Clinical Practice and School Dental Health Programs, Bangalore, India

Publications:

Books Authored

- Dental Infection Control and Safety Recommendations for Oral Health Practitioners in India, Dental Council of India, . Released by the Hon. Prime Minister of India, Dr. Manmohan Singh (September 2008)
- http://www.osap.org/?Int_India_Main

Read online for Free: <https://play.google.com/books/reader?id=35R7BAAAQBAJ&hl=en&pg=GBS.PP1>

Book Chapters

1. Puttaiah R, Cottone JA. The Challenge of Viral Hepatitis (Book Chapter). Practical Infection Control in Dentistry, 2nd Edition 1996, by Cottone JA, Terezhalmly GT, Molinari JA. Lea & Febiger, Malvern, PA.
2. Yeh C-K, Puttaiah R, Cottone JA, Prows J. HIV Infection and AIDS (Book Chapter). Practical Infection Control in Dentistry, 2nd Edition 1996, by Cottone JA, Terezhalmly GT, Molinari JA. Lea & Febiger, Malvern, PA.
3. Puttaiah R, Cooley R, Cottone JA. Infection Control and Safety for Periodontology. Fundamentals in Periodontics, edited by Tom Wilson & Ken Kornman, Quintessence Publ., June 1996.
4. Puttaiah R, Cooley RL. Infection Control & Safety in Orthodontics (Textbook Chapter). Orthodontics for the Next Millennium” edited by Sachdeva R & Johnson J, ORMCO Publishing, 1997.
5. Outlines in Dental Infection Control. Text book of periodontics. (In press for release in 2015)

Reports and Monographs

1. Technical Reports to the Indian Council of Medical Research on “Assessment of the efficacy of an anti-tobacco community education program”, 02/86-12/88 (Published 2003)
2. Puttaiah R, SB Dove, Cottone JA. Standards on Infection Control for Equipment Used in Dental Informatics (ADA Committee on Dental Informatics 1995).
3. R. Puttaiah (Infection Control and Public Health, Contributor). Root Cause, *Monograph* edited by R. Bedi and JS Infirri, WHO Collaborating Center for Trans-cultural Oral Health, Eastman Dental Institute, UCL, London. A WHO and Colgate-Palmolive sponsored *Monograph* on the “Status of Oral Health among Disadvantaged Communities, January 2001.

Refereed Papers

1. Carley KW, Puttaiah R, Alvarez JO, Heimbürger DC and Anantha N. Diet and Oral Premalignancy in Female South Indian Tobacco and Betel Chewers: A Case/Control Study Nutrition and Cancer, Vol. 22, No. 1, 73-84, 1994.
2. Puttaiah R., Carley K., Holavanahalli R. Tobacco, betel-quid chewing and oral health. In: Bedi R, Jones P, editors. Betel-quid chewing and tobacco chewing among the Bangladeshi community in the United Kingdom. London: Centre for Transcultural Oral Health; 1995. p. 1-9.
3. Puttaiah R, Langlais RP, Katz J, and Langland OE. Infection Control in Maxillofacial Radiology. CDA journal. Vol 23, No. 5, 21-28, 1995.
4. Puttaiah R, Langlais RP, Katz J, and Langland OE. Infection Control in Maxillofacial Radiology. (Article published in CDA and reprinted by the West Virginia State Dental Journal). W V Dent J. 1995 Jun; 69(3):15-20.
5. Cottone JA, Puttaiah R. Viral Hepatitis. Infectious Disease and Dentistry. Dental Clinics of North America, Vol. 40, No. 2, 293-307, 1996.
6. Puttaiah R and Langlais RL. A Primer in Infection Control - Dental Radiology. California Dental Institute for Continuing Education, Volume 57, 14-23, 1996.
7. Sherman LR, Nemeth JF, Mills SE, Plamondon TJ, Puttaiah R, and Karpay RI. Metal Analyses of dental unit water systems. Microchemical Journal 56, 130-137, 1997.

8. R. Puttaiah, R.I. Karpay, C. Fabre, L.R. Sherman, J.F. Nemeth, S.E. Mills and T. Plamondon. Dental unit waterline treatment with sodium hypochlorite and acetic acid. *Microchemical Journal* 59, 333-340, 1998.
9. Puttaiah R, Cottone JA, Gildersleeve J, Azmoudeh A, and Tenney J. Rational for using single-use disposable air/water syringe tips. *Compendium*. Vol 20, No. 11, 1056-1069, 1999.
10. Kim PJ, Cederberg RA, and Puttaiah R. A Pilot Study of 2 Methods for Control of Dental Unit Biofilms. *Quintessence International*. Vol. 31, 41-48, 2000.
11. Puttaiah R, Bedi R, and Almas K. Survey of Infection Control Practices among General Dental Practitioners. *Journal of Pakistan Dental Association*. Vol. 10, Issue 02, 71-76, 2001.
12. R. Puttaiah, R Cederberg, and D Youngblood. A pragmatic approach towards single-use-disposable devices in dentistry. (*GIRSO*) *Bull Group Int Rech Sci Stomatol Odontol*. 2006 Mar; 47(1):18-26.
13. L. Montebugnoli, G. Dolci, D.A. Spratt, and R. Puttaiah. Failure of anti-retraction valves and the procedure for between patient flushing. A Rational for chemical control of dental unit waterline contamination. *American Journal of Dentistry* 2005 Aug; 18 (4):270-4.
14. Puttaiah R, Shulman JD, Youngblood D, Bedi R, Tse E, Shetty S, Almas K, Kim BO and Du M. Sample infection control needs assessment survey data from eight countries. *International Dental Journal* (2009) 59, 271-276.
15. Effects of H₂O₂ on controlling contamination in dental unit water systems. S-M Lin; R. Puttaiah, KKH Svoboda; A. Giletto and J. Seibert. Accepted for publication in - *European Journal of Dentistry*. *Eur J Dent*. 2011 January; 5(1): 47-59. PMID: PMC3019751
16. Puttaiah R, Shetty S, Bedi R, Verma M. Dental Infection Control in India at the Turn of the Century. *World Journal of Dentistry*. 2010 April-June; Vol 1 (1): 1-6.
17. Puttaiah R, Youngblood D, Verma M, Reddy A. The Rationale for Dental Safety. *World Journal of Dentistry*. 2010 July-September; 1(2): 129-134
18. Reddy A, Puttaiah R. Pearls in Pediatric Dentistry. *World Journal of Dentistry*. 2010 July-September; 1(2): 137-139
19. Puttaiah R, Verma M, Patil S, Reddy A. The influence of Infectious Diseases on Dentistry. *World Journal of Dentistry* 2010, October-December; 1(3): 225-231
20. Shetty D, Verma M, Shetty S, Dubey S, Walters S, Bernstein I, Froelich-Grobe K, Puttaiah R. Knowledge, Attitudes and Practice of Dental Infection Control and Occupational Safety in India: 1999 and 2010. *World Journal of Dentistry*. 2011, January-March; 2(1): 1-9. (*Dr. D. Shetty's – MPH Thesis*)
21. Puttaiah R, Miller K, Bedi R, Shetty S, Almas K, Tse E, Kim BO, Youngblood D, Minquan D. Comparison of Knowledge, Attitudes and Practice of Dental Safety from Eight Countries at the Turn of the Century. *J Contemp Dent Pract* 2011;12(1):1-7. (*Primary Mentor for K. Miller's MPH Practicum Research*)
22. Bansal R, Puttaiah R, Harris R, Reddy A. Evaluation of Two Methods in Controlling Dental Treatment Water Contamination. *J Contemp Dent Pract* 2011;12(2):73-83. (*Primary Mentor for MPH Thesis of Dr. R. Bansal*)
23. Puttaiah R, Seibert J, Spears R. Effects of Iodine in Microbial Control of Dental Treatment Water. *J Contemp Dent Pract* 2011;12(3):143-151
24. Budnyak MA, Gurevich KG, Fabrikant K, Miller K, Puttaiah R. Dental Infection Control and Occupational Safety in the Russian Federation. *J Contemp Dent Pract* 2012;13(5); 703-712. (Research Mentor and Advisor of Dr. Budnyak's dissertation from Moscow State University for Medicine and Dentistry, Moscow, Russia).
25. Puttaiah R, Svoboda KKH, Lin SM, Montebugnoli L, Dolci G, Spratt D, Seibert J. Evaluation of an automated dental unit water sytem's contamination control protocol. *J Contemp Dent Pract* 2012; 13(1);1-10.
26. Puttaiah R, Griggs J, D'Onofrio M. A preliminary evaluation of a reusable digital sterilization indicator prototype. *J Contemp Dent Pract*. 2014 Sep 1;15(5):626-35.
27. Taha F, Joseph J, Janakiram C, Puttaiah R. Dental Infection Control Practices and Public Perception: A Cross-sectional Study. *Journal of International Oral Health* 2015; 7(12):20-26
28. B. Vidyadhar, J. Jain, S. Ananda, R. Putaiah. EVALUATION OF AUTOCLAVE EFFICIENCY USING DIGITAL STERILIZATION MONITORS & TEMPERATURE STRIP INDICATORS. *International Journal of Recent Scientific Research* Vol. 8, Issue, 8, pp. 19547-19549, August, 2017
29. R. Puttaiah, J.A. Griggs, C. Sargent, S. Parekh. Effects of dental unit waterline sanitizers on shear bond strength of dental composite to dentin. Effects of dental unit waterline sanitizers on shear bond strength of dental composite to dentin. *J Multi Dent Res*. 2018: 4 (2) ;1-8 <file:///C:/Users/ToothCE%20Inc/Downloads/5-12.pdf>

30. Chandrashekar Janakiram, Nayar, S., Varma, B., Dr. R. Venkitachalam, Anil Mathew, Suresh, R., and Puttaiah, R.* “Dental Care Implications in Coronavirus Disease-19 Scenario: Perspectives”, The journal of contemporary dental practice, vol. 21, pp. 935-41, 2020. * Corresponding Author. <https://pubmed.ncbi.nlm.nih.gov/33568618/>

Editorials

1. R. Puttaiah, Editor-at-Large. Editorial – Call for Indian Researchers to Join IADR. World Journal of Dentistry. 2011. January-March; 2(1): v.
2. R. Puttaiah, Editor-at-large. Editorial – Continuity During Changing Times. J Contemp Dent Pract 2011;12(1):i
3. R. Puttaiah, Editor-at-large. Editorial – Essentials of Safe Dental Care – *Informed Consent*. J Contemp Dent Pract 2011;12(1):i
4. R. Puttaiah, Editor-at-large. Editorial – Essentials of Safe Dental Care – *Post-Exposure-Protocols*. The Journal of Contemporary Dental Practice. *In press*, to be published in 2011, Issue and Volume tbd.

Professional Continuing Dental Educational Articles:

1. Puttaiah R, Cottone JA. Minimum OSHA Requirement for an Orthodontic Office -Part I, Bloodborne Pathogen Standards. A-Company Quarterly, April 1994.
2. Puttaiah R, Cooley RL, Cottone JA. Minimum OSHA Requirement for an Orthodontic Office -Part II, Hazard Communication and Office Safety. A-Company Quarterly, August 1994.

Following CDE articles published in multiple editions and languages (US, European and Asian eds.) by Dental Tribune—

3. R. Puttaiah. The Rationale for Dental Infection Control & Safety. Dental Tribune, Asia Pacific Edition, No.12 Vol.4, pages 16-18. 2006. Online - January 2007
4. R. Puttaiah. The Rationale for Dental Infection Control & Safety. Implant Tribune, US Edition, in February 2007, reprinted from Dental Tribune AP Edition.
5. Impact of Infectious Diseases on the Practice of Dentistry. Dental Tribune, Asia Pacific Edition, Online - March 2007.
6. Impact of Infectious Diseases on the Practice of Dentistry. Dental Tribune, Asia Pacific Edition, Online - March 2007 reprinted in the Middle East and Africa Edition for Continuing Dental Education
Column on “Dental Infection Control and Occupational Safety, Doctor of Dentistry – A Business and Lifestyle Magazine – Dallas/Fort Worth Metroplex Edition, Sunshine Media Inc., Scottsdale, AZ 85258 USA—
7. R. Puttaiah. Routes of Disease Transmission & Spaulding’s Classification. Doctor of Dentistry, Vol. 3, No. 3, Pages 14-16, March 2005
8. R. Puttaiah. The Impact of Infectious Diseases on the Dental Staff and the Patient. Doctor of Dentistry, Vol. 3, No. 4, Pages 18-19, April 2005
9. R. Puttaiah. Hand washing and hand Care. Doctor of Dentistry, Vol. 3, No 5. Pages 15, 21. May 2005
10. R. Puttaiah. Immunization for Dentists and Staff Involved in Patient Care. Doctor of Dentistry, Vol 3, No. 7, Pages 20-23. July 2005
11. R. Puttaiah. Personal Protective Equipment. Doctor of Dentistry, Vol 3, No. 8, Pages 9-11. August 2005
12. R. Puttaiah. Surface Barriers. Doctor of Dentistry, Vol 3, No. 9, Page 16. September 2005
13. R. Puttaiah. Instrument Reprocessing – Part-1. Doctor of Dentistry, Vol 3, No. 10, Pages 7-8. November 2005
14. R. Puttaiah. Instrument Reprocessing – Part-2. Doctor of Dentistry, Vol 3, No. 11, Pages 7, 8 and 20. December 2005
15. R. Puttaiah. Sterilization Monitoring. Doctor of Dentistry, Vol 6, No. 1, Pages 30-31. January 2006
16. R. Puttaiah. Dental Unit Water System Contamination & Control – Part 1. Doctor of Dentistry, Vol 6, No. 2, Pages 9-11. March 2006
17. R. Puttaiah. Dental Unit Water System Contamination & Control – Part 2. Doctor of Dentistry, Vol 6, No. 4, Pages 11, 12 and 23. April 2006
18. R. Puttaiah. Are We There Yet? Striving towards Infection Control and Safety Compliance in Dental Offices. Doctor of Dentistry, Vol. 6, No. 5, Pages 20-22, June 2006.
19. R. Puttaiah. Infection Control in Conventional and Digital Maxillofacial Radiology. Doctor of Dentistry, Vol. 6, No. 7, Pages 14-16, August 2006.
20. R. Puttaiah. Simplifying OSHA’s Rules – Building and Equipment Safety.. Doctor of Dentistry, Vol. 6, No. 8, Pages 18-20, September 2006.
21. R. Puttaiah. Simplifying OSHA’s Rules – Chemical Hazards in the Dental Office – Hazard Communications. Doctor of Dentistry, Vol. 6, No. 9, Pages 14-16, October 2006.

22. R. Puttaiah. Simplifying OSHA's Rules. Bloodborne Pathogen Standards, Part 1. Doctor of Dentistry, Vol. 6, No. 11 (Convention Issue), Pages 20-22, January 2007.

(Following Chapters were published in the subsequent Doctor of Dentistry 2007 Monthly Issues—

23. Bloodborne Pathogen Standards Part-2

24. Nitrous Oxide Safety

25. Use and Misuse of Chemical Germicides in Dentistry – Part 1

26. Use and Misuse of Chemical Germicides in Dentistry – Part 2

Research Abstracts

1. Anantha A, Puttaiah R*, Murthy GA: Tobacco use in South India-A baseline survey. First International Conference on Smokeless Tobacco, Columbus, Ohio, 04/11/91.
2. R. Puttaiah*, L. Aponte-Merced, C.J. Creath: Sports injuries and high-risk behaviors among high school football players. AADR 1992 Boston. JDR, Vol 71, March 1992, Abstract # 186.
3. L. Aponte-Merced*, R. Puttaiah: Geriatric oral health education in nursing school curricula. AADR 1992 Boston. JDR, Vol 71, March 1992, Abstract# 1452.
4. E. Capiluoto*, J. Thornton, V. Campbell, and R. Puttaiah: Utilization of dental services by aging and elderly mentally retarded. AADR 1992 Boston. JDR, Vol 71, March 1992, Abstract# 755.
5. M. L. Capiluoto*, L. Aponte-Merced, J. Thornton, and R. Puttaiah: Oral health status of aging and elderly mentally retarded. AADR 1992 Boston. JDR, Vol 71, March 1992, Abstract# 997.
6. R. Puttaiah*, K.W. Carley, L. Aponte-Merced, and R.K. Holavanahalli: Oral health status of school children in Bangalore, India. IADR 1992 Glasgow, Scotland. JDR, Vol 72, 1992, Abstract# 997.
7. R. Puttaiah*, L. Aponte-Merced, J.T. Butts, K. Baily, E. Bradford, K.W. Carley: Association between tobacco use by teenagers, and tobacco use in their environment. IADR/AADR 1993, Chicago. JDR, Vol 72 spec. issue, Abstract# 2300.
8. R. Puttaiah*: High Risk Behaviors and sports injuries among high school athletes. Annual Session of the National Prevention Network, March 15, 1993 Memphis, Tennessee.
9. R. Puttaiah*, L. Aponte-Merced, J.M. Wrigley: A profile on injuries and high-risk behavior in high school football players in Jefferson County, Alabama. Second World Conference on Injury Control, May 1993, Atlanta.
10. Carley KW, Puttaiah R, Alvarez JO, Heimbürger DC, Anantha N. Diet and oral premalignancy in female South-Indian tobacco and betel nut chewers: A case-control study. Fifteenth International Conference of Nutrition, Adelaide, Australia; September 26- October 01, 1993. Abstract # P70, page 429.
11. Puttaiah R*, Mills S, Thrash WJ, SB Dove, Cottone JA. A Research Model Addressing Policy Issues For the Dental Unit Water System. 1994 ADA Workshop on Dental Unit Water System, February 17, 1994 Chicago IL.
12. Cottone JA, SB Dove, Puttaiah R*. Infection Control Knowledge, Attitude and Behavior - Comparison Between Participants of Two Surveys. IADR 1994 Seattle, WA, JDR Vol 73 SI, 1994, Abstract # 1434.
13. Carley KW, Puttaiah R, Alvarez JO, Heimbürger DC. Nutritional Aspects of Oral Premalignancy Risk in Female Indian Tobacco/Betel Quid Chewers. 85th Annual Meeting of AACR, April 10-13 1994, San Francisco, CA.
14. Yeh C-K*, Puttaiah R, Fabre C, SB Dove, & Cottone JA. Initial report of CD4 counts and oral lesions in a Texas HIV-seropositive cohort. 1994 International Conference of AIDS, Yokohama, Japan.
15. Puttaiah R*, Cottone JA, Rizer MK, Parker H. Prevalence of Positive Mantoux Tuberculin Tests among Dental Students. May 25, 1994 APIC meeting Cincinnati, OH
16. Puttaiah R*, Mills SE, Cottone JA. Occupational exposures to blood and other potentially infectious material in institutional practice. AADR March 1995, San Antonio, TX.
17. Prows J*, Puttaiah R, Cottone JA. Infection control knowledge, attitude and behavior among a cohort of dental practitioners. AADR March 1995, San Antonio, TX.
19. Mills SE*, Sherman LR, Puttaiah R, Plamondon TJ. Relationship between inorganic deposits and biofilm formation in dental unit waterlines. AADR March 1995, San Antonio, TX.
20. Conn LJ, Vaughan GG, Gildersleeve J, Trevino B, Hull R, Ratner J, Baez M, Cottone JA, Cooley RL, Puttaiah R*. Infection Control Compliance by Clinical Students- Results of Two Consecutive Sets of Inspections. (UTHSCSA-DS, USA). IADR 1995 Annual Meeting, Singapore.
21. Puttaiah R, Mills SE. Research Model Addressing Policy Issues for the Dental Unit Water System. 1995 Conference on Pharmaceutical Science and Technology, in Conjunction with the 26 Annual Meeting of the Fine Particle Society. 08/26/1995, Chicago, IL.

22. Puttaiah R, Mills SE. Longitudinal pilot study of the efficacy of different treatments on dental unit water systems. 1995 Conference on Pharmaceutical Science and Technology, in Conjunction with the 26 Annual Meeting of the Fine Particle Society. 08/26/1995, Chicago, IL.
23. R. Puttaiah, JA. Cottone, RI. Karpay. Knowledge Attitude Practice Survey after Bloodborne Pathogens Rule Implemented. 1996 International Association for Dental Research Annual Meeting, San Francisco, March 1996.
24. R. Puttaiah, WJ. Thrash, JA. Cottone. Clinical Evaluation of an Autoclavable and Portable Fiber-Optic Diagnostic Device. 1996 International Association for Dental Research Annual Meeting, San Francisco, March 1996.
25. R. Puttaiah, SE. Mills, TJ Plamondon, WJ. Thrash, and JA. Cottone. A Multi-Group Longitudinal Study of Dental Unit Waterline Contamination. 1996 International Association for Dental Research Annual Meeting, San Francisco, March 1996.
26. S.E. Mills, T. Plamondon, L. Sherman, J. Nemeth, and R. Puttaiah. Relationship Between Bacterial Counts and Free Chlorine in Dental Waterlines. 1996 International Association for Dental Research Annual Meeting, San Francisco, March 1996.
27. T.J. Plamondon, S. Mills, L. Sherman, J. Nemeth, and R. Puttaiah. Effect of Bleach on Mature Biofilm in Dental Unit Waterlines. 1996 International Association for Dental Research Annual Meeting, San Francisco, March 1996.
28. A.R. Mohammed, R. Puttaiah, J. Jones. Attitudinal differences among senior dental students towards geriatric patients. 1996 American Association for Dental Schools Annual Meeting, San Francisco, March 1996.
29. Langlais RP, Kawamata A, Puttaiah R, Buch B. Hanshin Instant/Daylight Developing System. The Processing Technique and Infection Hazards. The First African Congress of Maxillofacial Radiology, Cape Town, South Africa. March 1996.
30. RI Karpay, M Bayona, R Puttaiah. Dental Sealant: Eligibility, Recommendation and Patient Acceptance in Private Solo Practice. American Assoc. Public Health Dentistry, 59th Annual Meeting, Orlando, Florida, September 25-27, 1996.
31. R. Puttaiah. Efficacy of a Triphenolic in controlling contamination of dental treatment water and removal of biofilms. Table Clinic. Chicago Dental Society, 1997 Mid-Winter Meeting, Chicago, IL.
32. R. Puttaiah, T.J. Plamondon, J.A. Cottone, E. Gambal. Efficacy of an enzymatic detergent in controlling contamination of dental treatment water. Oral Presentation & Abstract 2161. J Dent Res 76 (IADR Abstracts) 1997.
33. R. Puttaiah, P. Slattery, T.J. Plamondon, S.E. Mills, J.A. Cottone. Effects of two different source waters and cleaning dental unit water systems. Oral Presentation & Abstract 2165. J Dent Res (IADR Abstracts) 1997.
34. R. Puttaiah, C. Fabre, T.J. Plamondon, R.I. Karpay, L.R. Sherman. Efficacy of Acetic Acid-Sodium Hypochlorite solution for the control of contamination in dental treatment water. Oral Presentation & Abstract 2166. J Dent Res (IADR Abstracts) 1997.
35. D.L. Risk, S.E. Mills, T.J. Plamondon, R. Puttaiah, R.I. Karpay. Effects of treatment solutions on dental unit waterline biofilm. Poster Presentation & Abstract 3365. J Dent Res (IADR Abstracts) 1997.
36. R.I. Karpay, R. Puttaiah, S.E. Mills, T.J. Plamondon, S.B. Dove, U. Levine. Efficacy of flushing dental units for different time periods. Poster Presentation & Abstract 3366. J Dent Res (IADR Abstracts) 1997.
37. A.R. Mohammad, R. Puttaiah, R.K. Holavanahalli. Changes in perception of the elderly after geriatric dentistry rotation program. Abstract 205. AADS, 1997 Orlando. J Dent Educ Vol. 61; No. 2, 1997.
38. R. Puttaiah. Digest & Dialogue: (lunch & learning sessions) Product Assessment and Selection. The 1997 OSAP Annual Symposium; Friday June 27, 1997 & Saturday June 28, 1997.
39. R. Puttaiah, R Bedi. Infection Control Needs Assessment and Strategic Plan for Pakistan. WHO Task Force Meeting on Dental Care for Disadvantaged Countries. Amman, Jordan. February 1998.
40. R. Puttaiah, R Bedi. Infection Control Needs Assessment and Strategic Plan for India. WHO Task Force Meeting on Dental Care for Disadvantaged Countries. Amman, Jordan. February 1998.
41. R. Puttaiah, PJ Kim, R Cederberg. Comparison of Two Different Concentrations of NaOCl in Treating Dental Unit Waterline Biofilms. AADR 1998 Annual Session, Minneapolis, March 1998 (Chairperson of Session).
42. R. Puttaiah, R. Cederberg, R Wneck. Efficacy of Chlorhexidine in Controlling Biofilm Contamination of Dental Unit Waterlines. AADR 1998 Annual Session, Minneapolis, March 1998 (Chairperson of Session).
43. R. Puttaiah, R Cederberg. Assessment of Endotoxins in Dental Unit Treatment Water. AADR 1998 Annual Session, Minneapolis, March 1998 (Chairperson of Session).
44. R. Puttaiah, PJ Kim, R. Cederberg, LE Sherman. Comparison of NaOCl and ClO₂ in Controlling Dental Unit Waterline Biofilms. AADR 1998 Annual Session, Minnesota, Minneapolis, March 1998.

45. R. Puttaiah, R Bedi, S. Shetty. Infection Control Needs Assessment for India IADR 1998 Annual Session, Nice, France, June 1998.
46. R. Puttaiah, MB Waggoner, LE Sherman, WR Bryan, PJ Kim. Efficacy of Citric acid in Controlling Biofilms in Dental Unit Waterlines. IADR 1998 Annual Session, Nice, France, June 1998.
47. R. Puttaiah. Infection Control at the Threshold of the Next Millennium. Indian Dental Association 1999 Annual Meeting, Bangalore, India (Concurrent Session) January 1999.
48. R. Puttaiah, K. S. Shetty, R. Bedi, M. Almas. Infection Control Needs of South-Asian Countries. IADR 1999 Annual Session, Vancouver, BC, Canada, March 1999.
49. R. Puttaiah, V. Vu, P. Chen, R. Kolstad, A.C. Thomas. Comparison of Three Suction & High Volume Evacuator Cleaners. IADR 1999 Annual Session, Vancouver, BC, Canada, March 1999.
50. R. Puttaiah, P. Chen, V. Vu, AC. Thomas, RL Kolstad. Comparison of Three Dental Evacuation Line Cleaners, 1999 OSAP Annual Symposium, Cincinnati OH, June 1999.
51. R. Puttaiah, B. Wakefield, C. Sargent. Effects of various ultrasonic cleaning agents on burs-A corrosion study. 1999 Chicago Mid-Winter Meeting, February 1999.
52. R. Puttaiah, B. Wakefield, C. Sargent. Effects of various ultrasonic cleaning agents on burs-a corrosion study. 1999 OSAP Annual Symposium, Cincinnati OH, June 1999.
53. R. Puttaiah, J Siebert, R. Cederberg, R. Spears. Effects of Constantly Present Low Grade Iodine on Dental Unit Waterline Biofilm and Planktonic Contamination. 1999 OSAP Annual Session, June 1999, Cincinnati OH.
54. Puttaiah, J. Siebert, R. Cederberg, R Spears. Effects of Chlorine Compounds on Dental Unit Waterline Contamination. 1999 OSAP Annual Session, June 1999, Cincinnati OH.
55. R. Puttaiah, R. Cederberg, K. Anderson*, R Spears. Efficacy of Stabilized ClO₂ in Biofilm and Planktonic Contamination of Dental Unit Water Systems. Abstract presented, IADR 2000 Annual Scientific Session, Washington DC.
56. R. Puttaiah, R. Cederberg, C. Sargent*, R Spears, D. Powers. Efficacy of a CHG irrigant in Biofilm and Planktonic Contamination of Dental Unit Water Systems. Abstract presented, IADR 2000 Annual Scientific Session, Washington DC.
57. R. Puttaiah*, H. Roberts, D. Charlton. Compatibility of a surface disinfectant with elastomeric impression materials. Abstract Presented, IADR 2000 Annual Scientific Session, Washington DC.
58. R. Puttaiah, T. Nguyen, * V. Nguyen, A.C. Thomas and R. Cederberg. Comparison of heterotrophic plate counts between four devices for Heterotrophic Mesophilic Organisms. AADR 2001 Scientific Session, Chicago, IL.
59. R. Puttaiah, H. Alliger, * AK. Reddy, J. Lumsden, R. Spears. Utilization of two concentrations of ClO₂ Cleaner in controlling dental waterline contamination. AADR 2001 Scientific Session, Chicago, IL.
60. R. Puttaiah, A. Korin, * D. Pham, R. Cederberg and R. Spears. Dental waterline decontamination with ozonated air purge and filtered UV-irradiated water. AADR 2001 Scientific Session, Chicago, IL.
61. R. Puttaiah, J. Chandler, * R. Cederberg and R. Spears. Treatment water contamination control using micro filtration, redox potential and a natural citrus botanical. AADR 2001 Scientific Session, Chicago, IL.
62. R. Puttaiah, * D. Charlton, C.M. Sargent, D. Pham. Effects of a Triphenolic Disinfectant on Dental Impression Materials. AADR 2001 Scientific Session, Chicago, IL.
63. R. Puttaiah, D. Pham*, P. Ng, V. Nguyen R. Cederberg, AC Thomas and R. Spears. Dental waterline decontamination with ozonated water as an irrigant. AADR 2001 Scientific Session, Chicago, IL.
64. R Puttaiah, R. Bedi. Standardized Survey Methods for collecting Infection Control Data from Around the World. Lunch and Learning Workshop, IADR 2001, Chiba, Japan.
65. R. Puttaiah, J Langley, R. Cederberg. Effects of ultrasonic cleaning solutions on dental burs – A compatibility study. IADR 2002 San Diego CA.
66. R. Puttaiah, J. Griggs, J. Parekh, C. Sargent. Effects of ClO₂ on Dentin and Enamel Shear Bond Strength. IADR 2002 San Diego CA.
67. R. Puttaiah, J. Griggs, R. Cederberg, J. Chandler. Effects of VistaClean Dental Waterline Irrigant on Dentin Bonding. IADR 2002 San Diego CA.
68. R. Puttaiah, B. Yung Kim, R. Bedi, R. Cederberg. Dental Infection Control Needs Assessment Among South Korean Dentists. IADR 2002 San Diego CA.
69. R. Puttaiah, R. Cederberg, R. Spears, I. Proenca, J. Roberts. AC Thomas, C Moore. Evaluation of a centralized water purification system for dental treatment water. IADR 2002 San Diego CA.

70. R. Puttaiah, AC Thomas, C. Moore, R Cederberg. Microbiological monitoring of dental treatment water and comparisons of heterotrophic plate count methods. IADR 2002 San Diego CA.
71. R. Puttaiah, L. Montebugnoli, et. al. Effects of TAED+Perborate on dental waterline contamination control. Special Session on Infection Control, 2002 Annual Scientific Session of the Italian Dental Boards, Rome, Italy. April 2002
72. R. Puttaiah, L. Montebugnoli, et. al. Effects of TAED+Perborate on dental waterline contamination control. OSAP 2002 Annual Scientific Session, Nashville, TN, May 2002.
73. R. Puttaiah, J. Griggs, S. Nguyen, M. Tran, X. Anderton. Effects of a Hydrogen Peroxide Immersion Disinfectant on Surface Detail Reproduction and Dimensional Stability of Elastomeric Impression Materials. OSAP 2002 Annual Scientific Session, Nashville, TN, May 2002.
74. L. Montebugnoli, R. Puttaiah, G. Dolci. Efficacy of Antiretraction Valves in Control of Backflow leading to Possible Contamination of Dental Unit Waterlines. OSAP 2002 Annual Scientific Session, Nashville, TN, May 2002.
75. R. Puttaiah, L. Montebugnoli, G. Dolci. Effects of TAED+Perborate on dental waterline contamination control. European Division of IADR, 2002 September 26th. Cardiff, Wales, UK.
76. R. Puttaiah, J. Reagan, J. Griggs, D. Witherspoon, R. Spears, H. Liang and C. Sargent. Efficacy of four treatment procedures in removal of smear layer during root canal treatment. IADR 2003 Scientific Session, Goteburg, Sweden, Abstract # 0139.
77. R. Puttaiah, J. Griggs, J. Kanabar, D. Koon. Effects of an immersion disinfectant and a surface disinfectant on three elastomeric impression materials. AADR 2003 Annual Scientific Session, San Antonio, Texas, USA.
78. J. Kanabar, J. Griggs, R. Puttaiah. Effects of a parachlorometaxylenol based disinfectant on elastomeric impression materials. AADR 2003 Annual Scientific Session, San Antonio, Texas, USA.
79. R. Puttaiah, J Siebert, R. Spears, W. Bryan, R. Cederberg. Control of dental unit water system biofilms and treatment water contamination. AADR 2003 Annual Scientific Session, San Antonio, Texas, USA.
80. R. Puttaiah, K. Svoboda, R. Spears, S. Lin, D. Kern, A.C. Thomas. Comparison of 4 dental unit waterline cleaners in controlling biofilms and treatment water contamination. AADR 2003 Annual Scientific Session, San Antonio, Texas, USA.
81. R. Puttaiah, T. Shafer, K. Svoboda, R. Spears, M. Heaton, S. Lin, A.C. Thomas. Evaluation of hydrogen peroxide for dental unit waterline contamination control. AADR 2003 Annual Scientific Session, San Antonio, Texas, USA.
82. P. Nicoara, D. Kern, S. Lin, J. Svoboda, R. Spears, A.C. Thomas, R. Puttaiah. Control of dental unit water system and treatment water contamination with chlorine dioxide. AADR 2003 Annual Scientific Session, San Antonio, Texas, USA.
83. R. Puttaiah, J. Shulman, R. Bedi. A multi country survey data on dental infection control knowledge, attitudes and practice. AADR 2004 Scientific Session, Honolulu, Hawaii, USA (accepted)
84. D. Youngblood, R. Puttaiah. Dental infection control knowledge, attitudes and practice of 100 practices in Texas. AADR 2004 Scientific Session, Honolulu, Hawaii, USA (accepted)
85. A.C. Thomas, R. Puttaiah, B. Mathew, C. Berry. Failure rate among three types of dental office sterilizers. . AADR 2004 Scientific Session, Honolulu, Hawaii, USA
86. R. Puttaiah, SM Lin, R Cederberg. Biofilm Control-Ozonation in an Automated Waterline Cleaning Dental Unit. 2005 IADR/AADR Annual Scientific Session, Abstract# 0081, Baltimore, MD, USA
http://iadr.confex.com/iadr/2005Balt/techprogram/abstract_64814.htm
87. R Puttaiah, J Shulman, R Bedi, D Youngblood, E Tse. Infection Control Profile Scores of Practitioners from Eight Countries. 2005 IADR/AADR Annual Scientific Session, Abstract# 1026, Baltimore, MD, USA
http://iadr.confex.com/iadr/2005Balt/techprogram/abstract_61792.htm
88. R Puttaiah, J Shulman, R Bedi, D Youngblood, E Tse. Infection Control Practice Comparisons between Practitioners from Eight Countries. 2005 IADR/AADR Annual Scientific Session, Abstract# 3207, Baltimore, MD, USA
http://iadr.confex.com/iadr/2005Balt/techprogram/abstract_63799.htm
89. R Puttaiah, SM Lin, KKH Svoboda, R Cederberg, J Shulman. Quantitative Comparison of Scanning Electron & Laser Confocal Microscopy Techniques. 2005 IADR/AADR Annual Scientific Session, Abstract# 3425, Baltimore, MD, USA
http://iadr.confex.com/iadr/2005Balt/techprogram/abstract_64091.htm
90. R Puttaiah, SM Lin, J Lumsden. Evaluation of a silver citrate dental water decontaminating agent. 2006 AADR Annual Scientific Session, Abstract# 0638, Orlando, FL, USA
http://iadr.confex.com/iadr/2006Orld/techprogram/abstract_76640.htm

91. R Puttaiah, SM Lin, A Giletto, KKH Svoboda. Efficacy of H₂O₂ in controlling dental unit water system contamination. 2006 AADR Annual Scientific Session, Abstract# 0639, Orlando, FL, USA
http://iadr.confex.com/iadr/2006Orld/techprogram/abstract_76738.htm
92. R Puttaiah, E Berg, D Jones, SM Lin, J Griggs, A Bolouri. Effects of microwave decontamination on dental stone. 2006 IADR Annual Scientific Session, Abstract #1369, Brisbane, Australia
http://iadr.confex.com/iadr/2006Brisb/techprogram/abstract_83517.htm
93. R Puttaiah, SM Lin. Evaluation of Ozonated water for controlling dental water contamination. 2006 IADR Annual Scientific Session, Abstract #1371, Brisbane, Australia
http://iadr.confex.com/iadr/2006Brisb/techprogram/abstract_83725.htm
94. R Puttaiah, SM Lin, CLK Tennakoon, M Flusche, F Maldonado. Dental Water System Contamination with Electrochemically Generated ClO₂. 2007 Annual Scientific Session, Abstract# 1138, New Orleans, LA, USA
http://iadr.confex.com/iadr/2007orleans/techprogram/abstract_93210.htm
95. R Puttaiah, SM Lin, S Richardson, S Fredrick. Self-Study on Dental Infection Control and Occupational Safety: Translation from Curriculum to Practice. 2007 American Dental Educators Association, Tech Expo 2007 Session Abstract# 27, New Orleans, LA, USA <http://www.jdentaled.org/cgi/reprint/71/1/104.pdf>
96. R Puttaiah, J. Smith, SM Lin, V. J. Setien. Compatibility of H₂O₂-Based Surface Disinfectant with Elastomeric Impression Materials. 2008 AADR Annual Scientific Session, Abstract# 0939, Dallas, TX, USA
http://iadr.confex.com/iadr/2008Dallas/techprogram/abstract_100651.htm
97. R Puttaiah. Overview of the Dental Infection Control and Occupational Safety Recommendations for Oral Health Professionals, 62nd Annual Session of the Indian Dental Association. January 2008, Mangalore, India (Train-The-Trainer Orientation).
98. VJ Setien, M Koike, Puttaiah Raghunath, K Ajlouni. Enamel Hardening Properties of Two Dental Pastes. 2008 AADR Annual Scientific Session, Abstract# 0926, Dallas, TX, USA
http://iadr.confex.com/iadr/2008Dallas/techprogram/abstract_100923.htm
99. Overview of Dental Safety Standards for India. Dentistry 2008, Indian Dentist Research and Review, July 2008, Bangalore, India
100. R Puttaiah, SM Lin, KKH Svoboda. Ozonated water for dental unit water system contamination control. 2009 AADR/IADR Annual Scientific Session, Abstract# 1558, Miami, FL, USA
<http://iadr.confex.com/iadr/2009miami/webprogram/Paper119571.html>
101. R Puttaiah. Effects of Disinfectants on Elastomeric Impression Materials. Indian Post-Graduate Prosthodontics Conference, February 2009, Maulana Azad Institute of Dental Sciences, New Delhi, India. Keynote Address.
102. R Puttaiah. Dental Infection Control in Orthodontics – A Seminar. Indian Post-Graduate Orthodontics Conference, March 2009, Davangere, India.
103. M. VERMA, R. PUTTAIAH, R. ROONGTA, S. DUBEY, and J. SHULMAN. An exploratory study of understanding ethics in dentistry. AADR/IADR 2011 Annual Scientific Session, San Diego, CA. Abstract # 1715. March 2011.
<http://iadr.confex.com/iadr/2011sandiego/webprogramschedule/Paper145396.html>
104. S. Patil and R. Puttaiah. Syndecan – 1 expression in predicting oral malignancy. AADR/IADR 2011 Annual Scientific Session, San Diego, CA. Abstract # 201. March 2011.
<http://iadr.confex.com/iadr/2011sandiego/webprogramschedule/Paper148682.html>
105. R. PUTTAIAH, M. VERMA, S. DUBEY, and J. SHULMAN. Dental Safety Knowledge, Attitudes and Practice Among Indian Dentists. AADR/IADR 2011 Annual Scientific Session, San Diego, CA. Abstract # 708. March 2011.
<http://iadr.confex.com/iadr/2011sandiego/webprogramschedule/Paper147988.html>
106. R. Puttaiah. Biases towards Care of Infectious Patients. Keynote Address, ICD International Congress, New Delhi, November 11, 2011.
107. RA Cederberg & R. Puttaiah. ADEA SOTL ADEA CCI ADEA LIAA Session: Controlling for Bias Using a Rubric for Assessing Clinical Performance. 2014 ADEA ANNUAL SESSION & EXHIBITION, San Antonio, TX. March 2014.
http://www.adea.org/uploadedFiles/ADEA/Content_Conversion/2014annualsession/Program/2014-ANNUAL-SESSION-PROGRAM.pdf
108. Puttaiah, R, Bryan W, D’Onofrio M. Evaluation of a Pressure Cooker in Field Decontamination of Dental Instruments. OSAP 2015 Scientific Session, Baltimore MD, USA, 2015
109. Puttaiah R. Sterilization, Sterilization Monitoring and New Advances in Full Cycle Monitoring Using Digital Technologies. Pan African Enterprise Research Council (PAERC) 2015 Session, Atlanta, GA, July 2015.

110. Puttaiah, R, Bryan W, D’Onofrio M. Evaluation of a Pressure Cooker in Field Decontamination of Dental Instruments. AAMI 2015 Scientific Session, Silver Springs MD, USA, October 2015
111. Puttaiah R. Sterilization, Sterilization Monitoring and New Innovations in Full Cycle Monitoring Using Digital Technologies. Presentation made to the Center for Dental Education and Research, All India Institute of Medical Sciences, New Delhi, India. February 2016.
112. Puttaiah R. Dental Infection Control and Safety – Full-day Continuing Dental Education Program, 69th Indian Dental Congress, February 2016, New Delhi, India
113. Puttaiah R. Sterilization, Sterilization Monitoring and Innovations in Monitoring and Recording – Status, Science and Policy Issues. Keynote Address at the 69th Indian Dental Congress, New Delhi, India, February 2016
114. Puttaiah R. Konatham PH, Verma M. The International College of Dentists’ 2-Day Train-The-Trainer Symposium, Maulana Azad Institute of Dental Sciences, New Delhi India, 22nd and 23rd February 2016
115. Appia B, Holyfield L, Price D, Puttaiah R. Cultural Competence Training Experience in North American Dental Schools. ADEA 2016 Poster Session, Denver, Colorado, March 2016.
116. Puttaiah R, Levi V., D’Onofrio M. Observed Variance In Mean Temperature Within An Autoclave. AAMI Sterilization Standards Week. April 18-21, 2016 Silver Springs MD
117. " O.Budinskaya, M. Tehrani, G.Triplett, S.Griffin S. Narendran, H.Liang, R. Puttaiah IADR 2017 "Oral Health Status Among Case-Matched Diabetic and Non-Diabetic Patients" Poster presentation: CONTROL ID: 2624594. IADR 2017, San Francisco

Continuing Education Courses:

Provided over 200 CDE Programs nationally and internationally

Journal Editor

1. *Editor-at-large* – Journal of Contemporary Dental Practice (2011 - Current)
2. *Editor-at-large* – World Journal of Dentistry (2010 – Current)
3. *Editor-at-large* – International Journal of Oral Health (2013 Current)

Manuscript Reviewer

1. Journal of the American Dental Association JADA
2. Journal of Dental Education
3. Journal of Contemporary Dental Practice (reviewed about 22 manuscripts in 2011 and helped in submission process for PubMed)
4. World Journal of Dentistry

Grant Reviews

1. Intramural Faculty Grants 1999-2003
2. Intramural Student Research Grants 1999-2003
3. United States Health Resources and Service Administration (HRSA) for Graduate Residency Programs in Pediatric Dentistry and Graduate Residency Program in General Dentistry (2008)
4. United States Health Resources and Service Administration (HRSA) Grants Review – Oral Health Section 2010
5. Patient Centered Outcomes Research Institute Grants Review 2016.

Awards:

1. Johnson & Johnson Post-Doctoral Fellowship Award, 1993-1995, UTHSC SA Dental School for Infectious Disease Control in Dentistry
2. IADR Block Travel Grant for Mentored Student, (IADR, Nice, France, 1998)
3. IADR Educational Research Group Award, (IADR, Chiba, Japan, 2001)
4. Clinical Faculty Research Award, BCD TAMUS HSC 2003-2004.
5. Meritorious Service Award *by the* International College of Dentists, October 2016, Denver CO.
6. [Presidential Citation Award for outstanding contributions to the development of the ICD’s Dental Safety Program \(DSP\) by the International College of Dentists, 2020.](#)

Scholarly Societies:

1. Office Sterilization and Asepsis Procedures (OSAP) (1993-2002; 2004-2009)
2. Omega Kappa Upsilon (OKU Dallas Chapter) (2001-2019)
3. American Association for Dental Research (1990-2012)
4. International Association for Dental Research (1990-2012)
5. International Association of General Dentistry (2009-Current)
6. International College of Dentists – ICD Section 6, (2011-Current)
7. International College of Dentists – ICD Scientific Director – Dental Safety Programs (2014-Current)

Research Grants/Awards:

Extramural at UTHSCSA Dental School (1993-1996)

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|------------------------------------|---|-------------|
| 1. DentaLogic, Cincinnati OH. | UTHSCSA DS | (\$ 3,000) |
| 2. Health-Sonics Corp. CA. | UTHSCSA DS | (\$ 3000) |
| 3. DW Industries, NV. | UTHSCSA DS | (\$ 6,000) |
| 4. Johnson & Johnson Med. Inc. TX. | UTHSCSA DS | (\$ 16,000) |
| 5. Johnson & Johnson Med. Inc. TX. | UTHSCSA DS | (\$ 20,000) |
| 6. Micrylium Laboratories, AZ. | (Part travel assistance for research meeting) | |

Intramural at TAMU BCD

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| 7. NRSA Student Research Grant, Baylor College of Dentistry 2001 | (\$ 1,500) |
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Extramural Grants at TAMU BCD (1997-2015)

8. Product Evaluation Award, Biotrol Inc. 1998-1999, \$3,000.00 (Role-Principal Investigator)
9. Evaluation of a water UV filtration and Ozonation device in controlling microbial contamination of dental treatment water system. 8/15/99 -15/15/99. Subcontract from Compact Membrane Systems, SBIR Phase-1 Funding from NIH-NIDCR. \$16,908.00, (Role-Principal Investigator)
10. Evaluation of a water UV filtration and Ozonation device in controlling microbial contamination of dental treatment water system. 10/1/99-1/3/00. Subcontract from Kortech Inc., American Dental Health Association Foundation Grant. \$9,576.00, (Role-Principal Investigator)
11. Contamination control in dental unit water systems utilizing the Davis Wasserman Device. 2/1/00-7/31/00. Davis Wasserman Corporation, Las Vegas Nevada. \$57481.00, (Role – Principal Investigator)
12. Validation of TAED Protocols of University of Bologna ((Peracetic Acid and Autosteril for Decontamination of Castellini Logos Dental Unit). 12/20/01-2/27/02. Castellini SpA, Bologna, Italy. \$20,000.00. (Role – Principal Investigator)
13. System to eliminate and prevent biofilms in dental units - Electro Chemically activated H₂O₂. 4/1/02-4/30/02. Subcontract from Lynntech Inc. College Station, TX. SBIR Phase I Funding NIH-NIDCR. \$9,902.00 (Role – Principal Investigator)
14. Enhanced Ozone Disinfection of Dental Unit Waterlines. 4/1/03-2/31/05. Subcontract from Compact Membrane Systems, SBIR Phase 2 Funding-NIH NIDCR. \$204,970.00 (Role – Principal Investigator)
15. Prevention and remediation of biofilms in dental units using Electrochemically Activated H₂O₂. 10/1/03-9/30/05. Subcontract from Lynntech Inc. College Station, TX, SBIR Funding from NIH-NIDCR SBIR. \$288,587.00. (Role – Principal Investigator)
16. Dual Disinfection for Biofilm Control in Dental Units using Electro-chemically activated ClO₂. 7/01/04 – 6/30/05. Subcontract from Lynntech Inc. SBIR Phase 1 Funding from NIH NIDCR. \$32,998.00 (Role – Principal Investigator)

Outreach and Public Service DFW Region/Dallas & feeding Counties for HIV Care:

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|-------------|---|
| 1998 - 2001 | Ryan White and HRSA HIV and AIDS Planning Council Member, Dallas EMA, Dallas, TX |
| 1998 - 2001 | Ryan White and HRSA HIV and AIDS Consortium Member, Dallas EMA, Dallas, TX |
| 1998 – 2001 | Evaluations Committee Member, Ryan White and HRSA Planning Council, Dallas EMA, Dallas, Texas |

National Committees/Scientific Panels:

1. AAMI (Association for the Advancement of Medical Instrumentation), Panel Member-Disinfection and Sterilization Standards Committee (2014-2016)
2. ADA Technical Advisory Group (Member) for Dental Infection Control, Materials, Equipment (2012-2020)

Sub-TAG 6 Dental Equipment Discussion Forum: New Post for "Proposed requirements in CD 7494-2 pertaining to treatment methods for controlling biofilm in dental unit waterlines

3. ISO Standards Committee-Controlling Dental Treatment Water Contamination. Through Castellini SpA, Bologna Italy, 2003-2006
4. American Dental Association (ADA) Standards Committee for Dental Informatics (Committee Member 1995)
5. ADA Standards Sub-committee for Dental Informatics, Infection Control (Chairman 1995)
6. Scientific Panel Member of the "Dental Items of Significance" Dental Investigations Service, USAF Brooks AFB, San Antonio, TX (1995-2000)
7. Crafted the Dental Infection Control & Occupational Safety Standards for India in collaboration with the Dental Council of India. 2007.
http://c.ymcdn.com/sites/www.osap.org/resource/resmgr/Docs/India_Infectioncontrolbook_2.pdf
8. Dental Council of India (India Gazette/Federal Regulations). Assisted the Dental Council of India in developing regulations for Dentists in India with respect to continuing dental education requirements (2007).
http://www.dciindia.org.in/Rule_Regulation/Continuing_Dental_Education_Regulations_2007.pdf
9. OSAP & CDC Sponsored Panel on Global Infection Control. 2001 – 2014
10. American Dental Association's Standards Committee on Dental Products (SCDP) Volunteer, 2015-2016
11. Association for the Advancement of Medical Instrumentation (AAMI), Serve on three committees on Sterilization, 2015 - 2016

Administration and Service:

College/Component Committees

1. Member – ACRIC Committee, Texas A&M University, College Station, TX (2017-2019)
2. Member – Faculty Grievance Committee, Texas A&M University, College Station, TX (2017-2019)
3. Emerging Technologies Advisory Committee – Member, TAMUS HSC (2008-2019)
4. Director – Infection Control, TAMUS HSC Baylor College of Dentistry (2004-2008)
5. Infection Control Sub-Committee, Baylor College of Dentistry TAMUS HSC (1997-1999)
6. Chair, Infection Control Sub-Committee, Baylor College of Dentistry TAMUS HSC (2000)
7. Member, Research Committee TAMUS-Baylor College of Dentistry (1997- 1999; 2000-2003)
8. Chair, Infection Control Sub-Committee, Baylor College of Dentistry TAMUS HSC 2005 – Current
9. Member, Institutional Review Board, BCD TAMUS HSC 2006 – 2009.
10. Secretary TAMU BCD Faculty Forum 2012 Academic year
11. Vice President TAMU BCD Faculty Forum 2013 Academic year
12. President TAMU BCD Faculty Forum 2014 Academic year
13. Scientific Chair, Dental Safety Programs for the International College of Dentists 2014-2016
<http://www.icd.org/dental-safety-program/> (developed and provided streaming educational models at no cost for all ICD Fellows for educational purposes
https://www.dropbox.com/sh/zzt3ddczegfo2e/AACfMIT9udB0_vRrhIJ5KWPXa?dl=0)

Consultant:

Honorary Institutional Consultant/Panel Member

1. Anti-tobacco Cell, Kidwai Memorial Institute of Oncology, Bangalore, India. (1990 – 1993)
2. Dental Investigation Service, USAF, Brooks AFB, San Antonio, TX. (1995 – 1999)
3. World Health Organization - Dental Care, Infection Control (Year 2001)
4. Consultant to the Italian Dental Boards and Teaching Faculty (2001- 2007)
5. Organization for Safety and Asepsis Procedures, Annapolis, MD, Global Infection Control Committee, (2001-2003)
6. Educator/Faculty, HIVDent. www.hivdent.org
7. Consultant & Advisor to HIVDent Russia www.HIVDent.Ru, Moscow State University for Medicine and Dentistry
8. "Advisor/Torch-Bearer" to the Joint Secretary of Finance – Ministry of Overseas Indian Affairs. To develop relationships and agreements between four Indian Cabinet Ministries and Global Health Initiatives of Universities in North America and to help formulate innovative public health research, funding for proof-of-concept studies, upgrade curriculum in Medical/Dental/Higher Ed. in Basic Sciences, and long-term inter-

governmental program research and training grants (Initial Meeting to be held on November 2011 in New Delhi, India).

Paid Consultant/Scientific Advisor/Resource for Private Entities

1. Pall - Gelman Sciences, MI (1994-1998)
2. A-Company, CA (Johnson & Johnson) (1994-1995)
3. DentaLogic, Cincinnati, OH (1995-1996)
4. DW Technologies, NV (1994-2002)
5. Johnson and Johnson Medical Inc., TX (1994-1996)
6. Johnson and Johnson Medical Inc., Professional Educ., TX (1995-1996)
7. Kortech Inc. CT. (1994-2002)
8. Micrylium Laboratories, Tempe, AZ. (1995- 1997; 2002-2003)
9. Health-Sonics Corporation, CA (1994-2006)
10. A-DEC, Newberg, OR. (1995-1998)
11. Waggoner Development Co., TX (1997-2000)
12. Rowpar Pharmaceuticals, Phoenix, AZ (1999-2000)
13. Dentsply International, Hong Kong, Republic of China (1998-1999)
14. KERR/Metrex, Orange CA (1999-2001)
15. Biotrol Inc., CO (1998-1999)
16. MRLB International (DentaPure), River Falls, WI (1998-2000)
17. Compact Membrane Systems, DE (1998-2006)
18. Vista Research, Ashland, OH (1999-2008)
19. Dentsply International, Preventive Care Division, York PA (1998-2001)
20. Frontier Pharmaceuticals, Farmingdale, New York (1997-2009)
21. Castellini SpA, Bologna, Italy (2001-2008)
22. Engelhard Corporation/BASF, Iselin, New Jersey, USA (2001-2008)
23. EnviroSystem Inc. San Jose, CA (2001-2004)
24. Confirm Monitoring Systems (2005-2012)
25. SciCan Corporation, Canada (2007-2008)
26. Duane Morris LLC (Expert Witness-Multi-State Federal Suit-Dentsply) (2012-2016)
27. Maxim Integrated Inc. USA (2014-2016)
28. Lyons & Clark Inc. (Expert Witness on 1st HCV Dental Transmission) (2014-2018)
29. Medcohere Inc. (Honorary Scientific Advisor, Board Member) (2019-Current)
30. Toppen Dental/Toppen Health (Honorary Scientific Advisor) (2019-2020)
31. Alton C. Todd Inc. (Expert Witness on Dental Infection Control Breach) (2019-2020)