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Department of Dental and Prosthetic Surgery,
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Personal Information

Date of birth: 23rd July 1980

Marital status: Married

Proficiency: English, Hindi and Kannada

Nationality: Indian

Education/Academic Qualification

1995 to 2000

- 10th standard in 1995 from Baptist Higher Secondary School, Agra, Uttar Pradesh, India.
- 12th Standard in 1997 from Government Inter College, Agra, Uttar Pradesh, India.
- Bachelor of Sciences, 1st year in 1998-99 from Agra College, Agra, Uttar Pradesh, India.

2001 to 2011:

- Bachelor of Dental Surgery (BDS) in the year 2001 to 2006 from Manipal College of Dental Sciences, Manipal University, Manipal, Karnataka.
- Master of Dental Surgery (MDS) in the speciality of Prosthodontics and Crown and Bridge in the year 2008 to 2011 from Manipal College of Dental Sciences, Manipal University, Manipal, Karnataka.

Work Experience

- 18th July 2005 to 28th November 2006 Internship from Manipal College of Dental Sciences, Manipal in all the dental speciality departments.

- 16th Dec 2006 to 30th April 2008 as a Lecturer in the Department of Conservative dentistry and Endodontics, Manipal College of Dental Sciences, Manipal.
- 2nd May 2008 to 2nd May 2011 as a Postgraduate in the Department of Prosthodontics and Crown and Bridge, Manipal College of Dental Sciences, Manipal.
- 28 June 2011 to 27 June 2015 as an Assistant Professor, in the Department of Prosthodontics and Crown and Bridge, Manipal College of Dental Sciences, Manipal.
- 28 June 2015 to 27 June 2017 as a Reader in the Department of Prosthodontics and Crown and Bridge, Manipal College of Dental Sciences, Manipal.
- Worked as a faculty coordinator at innovation centre for health sciences at Manipal University Technology Business Incubator, Manipal Institute of Technology, Manipal, from July 2014 to April 2017.
- 28 June 2017 to 28 January 2019 as an Associate Professor, in the Department of Prosthodontics and Crown and Bridge, Manipal College of Dental Sciences, Manipal.
- 04/02/2019 to 31/07/2020 as an Assistant Professor in the Department of Dental and Prosthetic Surgery, Mahamana Pandit Madan Mohan Malaviya Cancer Hospital, BHU Campus, Varanasi, A unit of Tata Memorial Center, Dept. of Atomic Energy, Govt. of India.
- From 01/08/2020 working as Professor in the Department of Dental and Prosthetic Surgery, Mahamana Pandit Madan Mohan Malaviya Cancer Hospital, BHU Campus, Varanasi, A unit of Tata Memorial Center, Dept. of Atomic Energy, Govt. of India.

Achievements/Awards

- 2nd prize of 3 lakhs for developing light curing unit-‘Optiqur’ 2012 in a Business plan competition organised by Manipal University Technology Business Incubator, Manipal Institute of Technology, Manipal, India, funded by DST. **(Mentored)**
- Consolation prize for developing light curing unit-‘Optiqur’ in 2013 on innovation day organized by Innovation Center, Manipal Institute of Technology, Manipal University, India.
- Good teacher award for the year 2013 at Manipal College of Dental Sciences, Manipal, India.
- Consolation prize of 1 lakh for developing ‘Tripartite- Portable device for Dental Therapy’ 2013 in a Business plan competition organised by Manipal University

Technology Business Incubator, Manipal Institute of Technology, Manipal, India, funded by DST. **(Mentored)**

- Award for designing the Best logo for and by Manipal Unit of UNESCO Chair in Bioethics (Haifa).
 - 2nd prize on innovation day for developing Biodegradable mouth rinse strips in 2014, organized by Innovation Center, Manipal Institute of Technology, Manipal University, India. **(Mentored)**
 - Special commendation prize of 50 thousand for developing ‘PMO Device for restricted mouth opening’ 2014 in a Business plan competition organised by Manipal University Technology Business Incubator, Manipal Institute of Technology, Manipal, India, funded by DST. **(Mentored)**
 - 2nd prize in poster competition conducted by Department of Immunohematology & Blood Transfusion, Kasturba Medical College, Manipal, India titled “Every Tomorrow Needs A Blood Donor Today” on 13 June 2015
 - Best paper award in 43rd Indian Prosthodontics Society held at Hyderabad, India, entitled “Occlusal rehabilitation of an ACP PDI class IV dentate patient with Angle’s class III malocclusion” in 2015
 - Consolation prize for developing portable device for dental therapy “suctioning tool” in 2015, on innovation day organized by Innovation Center, Manipal Institute of Technology, Manipal University, India.
 - Consolation prize for developing surgical glove for educating special need patients in 2015, on innovation day organized by Innovation Center, Manipal Institute of Technology, Manipal University, India.
 - Excellence in teaching award for the year 2015 at Manipal College of Dental Sciences, Manipal, India.
 - 1st prize of 5 lakhs for developing “Electric toothbrush for individuals suffering from cerebral palsy” 2016 in a Business plan competition organised by Manipal University Technology Business Incubator, Manipal Institute of Technology, Manipal, India, funded by DST. **(Mentored)**
 - Outstanding scientist in dentistry by Venus International Foundation ISO 9001: 2008 certified, Chennai, India.
 - Excellence in teaching award for the year 2017 at Manipal College of Dental Sciences, Manipal, India.
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- 1st prize in poster/slogan competition conducted by Department of Community Medicine, Kasturba Medical College, Manipal, in collaboration with National Tobacco Control Programme Udupi Branch and Rotary club Udupi-Manipal branch, on World No Tobacco Day, on 29 May 2018.
- Good teacher award for the year 2018 at Manipal College of Dental Sciences, Manipal, India.
- Dr. TMA Pai, Gold Medal for outstanding research publication entitled as “Does the size matter? Evaluation of effect of incorporation of silver nanoparticles of varying particle size on the antimicrobial activity and properties of irreversible hydrocolloid impression material.” In 2018.
- Third place in Edutoon competition by Consortium for Educational Communication (CEC, An inter university grants commission on electronic media), IUAC Campus, New Delhi.

Patents Filed

- Method, System and Apparatus for Curing Light Activated Resin Materials. Patent file no. 5416/CHE/2013. Published date 29/05/15 as a Principal Inventor.
- Surgical Glove for Educating Patients with Special Needs. Patent file no. 3468/CHE/2014. Published date 26/02/16 as a Principal Inventor.
- Portable device for Dental Therapy. Patent file no. 3555/CHE/2014. Published date 01/07/2016 as a Principal Inventor.
- Mobile Dental Unit. Patent file no. 3554/CHE/2014. Published date 01/07/2016 as a Co-inventor.
- Extra-oral film projector, Application#: 306191 and Date of Filing: May 30, 2018. Co-inventor
- Device for mounting and orienting dental casts on a dental articulator. Application no#: E1/24795/2019-CHE- Co-inventor

Provisional Patent Filed

- A suctioning tool for dental procedure. Origin ID: OR16D10 and Application no. 286478. Date of priority is 30th August 2016. Co-inventor.
- 'Electric toothbrush with customizable handle for patients with special needs' Application No - 201841016406. Date of Priority 01/05/2018 Co-inventor.

Publications

- Medial Mandibular flexure: A review of Concepts and Consequences. International Journal of Oral Implantology and Clinical Research, May-August 2011;2(2):67-71. Corresponding –author.
- Implant crest module: A review of biomechanical consideration. Indian Journal of Dental Research 2012;23(2):257-263. Co-author
- Fabrication of a Surgical Splint in an Emergency Situation: A Clinical Report. J Prosthodont 2012;22:223-225. First author
- An Approach towards Successfully Restoring a Partially Resected Dentulous Mandible. Journal of Orofacial Research 2013;3(3)221-224. Co-author
- Three-Dimensional Orientation of Iris in an Ocular Prosthesis Using a Customized Scale. J of Prosthodont 2014;23:252–255. First author
- Cranioplasty with custom made alloplastic prosthetic implant: A case report. World J Clin Cases 2014;16(2): 482-487. First author
- Role and Importance of Forensic Odontology in Identification. International Interdisciplinary Journal of Scientific Research 2014;1(3):64-69. Co-author
- Cerec (Abstract). International Dental Journal 2015; 65 (Suppl. 1): 1—57. Co-author
- Functional and Aesthetic Rehabilitation of a Geriatric Patient with Cleft Palate: A Case Report. Cleft Palate Craniofac J May2015;52(3):363-8. First author
- Antimicrobial activity and properties of irreversible hydrocolloid impression materials incorporated with silver nanoparticles. Journal of Prosthetic Dentistry 2016;115(6):722-8 Co-author
- Pneumatic impression: Improving dental arch impression with an inflatable balloon. J Indian Prosthodont Soc. 2016;16:311-4. First author
- Assessment of the mental attitude of the elderly for prosthodontic Treatment - a review of the various classifications. International Journal of Humanities, Arts, Medicine and Sciences 2016;4(7):93-100. Co-author
- Lobule separator prosthesis to prevent adhesion of reconstructed ear lobe. J Indian Prosthodont Soc. 2016;16:405-7. First author
- "Correction of microstomia in an edentulous patient- Letter to the editor."_J Prosthet Dent. 2017.May;117(5):575. First author
- Evaluation of Antifungal Activity of Methacrylic acid incorporated in Conventional heat activated resins. World journal of dentistry, March-April 2017;8(2):129-133. First author

- Effect of Co-Monomer on Flexural strength and Adhesion of Staphylococcus aureus on Heat Polymerized Poly (Methyl Methacrylate) Resin: An in vitro Study. J Indian Prosthodont Soc. 2017 Apr-Jun;17(2):149-155. First author
- Quantification of Lipoteichoic Acid of Gram Positive Bacteria after Irrigation with Sodium Hypochlorite in Root Canal-An in vitro Study. J Int Dent Med Res 2017; 10(2): pp. 233-238. Co-author
- Instant cast for an immediate obturator. Indian J Oral Health Res 2017;3:85-7. Co-author
- Hemisection”- a viable weapon in the effective management of interdisciplinary cases for the dental surgeon. International journal of scientific research 2018;7(5):816-818. Co-author
- Does the size matter? Evaluation of effect of incorporation of silver nanoparticles of varying particle size on the antimicrobial activity and properties of irreversible hydrocolloid impression material. Dental Materials 2018;34(7): e158-e165. Co author.
- Evaluation of properties of Glass Ionomer Cement reinforced with Zinc Oxide nanoparticles – An in vitro study. Materials Today Proceedings 2018;5:16065–16072. Co author.
- Comparative evaluation of efficacy of Zinc oxide and Copper oxide nanoparticles as antimicrobial additives in alginate impression materials. Materials Today Proceedings 2018;5:16258–16266. Co author.
- Evaluation of different visual method used, to enhance communication skills between dental care providers and speech and hearing impaired patients. Indian J Dent Res. 2018;29(4):418-422. First Author
- Comparison of stress patterns in the edentulous mandibular bone around four implant retained over denture and all-on-four concept – a three dimensional finite element analysis. Indian Journal of Public Health Research & Development 2018;9(11):111-115. Co-author.
- Three dimensional finite element stress analysis of two and four implant supported prosthesis. Indian Journal of Public Health Research & Development 2018;9(11):126-131. Co-author.
- Comparative evaluation of different tooth taper and its influence on retention of metal crowns luted with resin cements- An In Vitro Study. Indian Journal of Public Health Research & Development 2019;10(02):294-298. Co-author.

- Embodiment of macro and mini aesthetic elements in rehabilitation of maxillary anterior teeth with porcelain laminates veneers-A clinical report. *International Journal of Clinical Dentistry* 2019; 12(4):281-287.
- Osteonecrosis of the jaw associated with imatinib therapy in myeloproliferative neoplasm: a rare case report. *Oral Surg Oral Med Oral Pathol Oral Radiol*. 2021 May;131(5):e157-e162. First author

Scientific Presentations

- Poster on World No Tobacco Day Slogan- Poster Competition. World Tobacco Day 2018, 29th May 2018, Manipal.
- Evaluation of Different Visual Methods Used to Enhance Communication Skills between Dental Care Providers and Speech and Hearing Impaired Patients. The International Conference, Health Colloquium 2018. 16-17 March 2018, School of Communication, Manipal, Manipal Academy of Higher Education
- Macro and micro elements in aesthetic rehabilitation of maxillary anterior teeth with porcelain laminates. The 26th Annual Conference of the Indian Academy of Aesthetic & Cosmetic Dentistry 2017, 4-6 August 2017. Marriott Resorts & Spa, Panjim, Goa.
- Effect of Co-Monomer on Flexural strength and Adhesion of Staphylococcus aureus on Heat Polymerized Poly (Methyl Methacrylate) Resin: An in vitro Study. International conference on Advanced Materials 'SCICON 2016' 19-21 December 2016, Amrita University, Coimbatore, Tamil Nadu.
- Occlusal rehabilitation of an ACP PDI class IV dentate patient with Angle's class III malocclusion. 43rd Indian Prosthodontic Society conference, 4th to 6th December 2015, Hyderabad.
- Every Tomorrow Needs A Blood Donor Today. World blood Donor Day 2015, 13th June 2015, Manipal.
- Quintessence Aesthetic with Acrylic Gum Veneer- A case Series. 2nd Inter State & 42nd Karnataka State Dental Conference 28th to 30th November 2014, Mangalore.
- Poster on World No Tobacco Day Slogan- Poster Competition. World Tobacco Day 2014, 27th May 2014, Manipal.
- Sculpting the Cranium. 40th National IPS- 8th AAP Conference, 5th to 9th Dec 2012, Chennai.
- Zirconia Esthetic Personified. 38th IPS conference, 12th to 14th November 2010, Indore.

- Excellence beyond excellency- a multidisciplinary approach. 2nd National ISPRP conference, 08th to 10th Aug 2009, Kochi.
- A Vibrant Journey from A to Z (Acrylic to Zirconia) – New age geriatric Dentistry. 11th National PG Student Convention, 26th Feb -1st March 2009, N. Delhi.
- Guiding the Implant Placement – Planned precision. 36th Indian Prosthodontic Society conference, 7th- 9th Nov2008, Bangalore.
- Novel approach in designing of Cast Partial dentures. 8th CDE in Prosthodontics, Dr. D.Y Patil Dental College & Hospital, 5th – 6th Dec 2008 Pune.

Scientific Contributions

- **Judge** for Scientific paper presentation. 2nd Inter State & 42nd Karnataka State Dental Conference, Mangalore, 2014.
- **Judge** for Scientific paper/Table clinic Presentation/Coordinator. Ignite 2015, UG Students and Interns Scientific meet, Manipal 2015.
- **Chairperson** for Scientific paper presentation. 43rd Indian Prosthodontic Society Conference 2015, Hyderabad.
- **Judge** for Business Plan competition. National conference on Health Entrepreneurship Administration and Technology 2016. 11-12 November 2016, TAPMI, Manipal.

Editorial Board Member

- Worked as an Associate Editor, in Manipal Journal of Dental Sciences.
- Editorial board member for International journal of current research and review. ISSN: 2231-2196 (Print) ISSN: 0975-5241 (Online).

Invited Reviewer

- Special care in Dentistry
- Journal of Natural Science, Biology and Medicine
- Journal of Clinical and Diagnostics Research
- Indian Journal of Dental Research

Guest Lectures Delivered/Invited for Panel discussions

- **Guest Lecture** delivered on Aesthetic restorations. Continuing Dental Education Programme on Aesthetic and Functional rehabilitation in FPD at Sharavathi Dental College and Hospital, Shimoga, on 30th June 2015.
- **Guest Lecture** delivered on Aesthetic considerations in Fixed partial denture. Continuing Dental Education programme of IDA Karnataka State branch, IDA Uttara Kannada, Karwar, on 25th September 2016.
- **Panel Discussion** participation on “New Ventures and Business Models in Healthcare”. National conference on Health Entrepreneurship Administration and Technology 2016. 11-12 November 2016, TAPMI, Manipal
- **Guest Lecture** delivered on ‘Panorama of fixed partial denture- Assorted recipe of rehabilitation’. Continuing Dental Education programme of IDA Udupi branch, Udupi on 21st October 2018.

Conferences/Conventions/CDE (Continuing Dental Education Programs)

- Attended 16 National and International conferences, more than 50 CDE’S and workshops on various educational topics.

Certificate Courses and workshops

- Certificate course on Biofunctional Prosthetic System (BPS) Conducted by Center for Advanced Dental Education and Training (In Association with ICDE, Liechtenstein) Vijai Dental, Chennai, from 6th April to 8th April 2018.
- Certificate course on intellectual property rights by Phillips technology, Technology Transfer Manipal and MUTBI, Manipal from 27 March to 1st April 2017.
- Workshop on intellectual Property Rights on 14th August 2015 organized by Visvesvaraya Trade Promotion Center (VTPC) and Innovation center MUTBI, Manipal.
- Two days workshop on “ Effective proposal writing skills” organized by public Health, MEW program & Directorate of research , Manipal University, Manipal on 28th and 29th May 2015.
- Basic Training Program on Fire Prevention and Fire Fighting from 13th Feb to 15th Feb 2014 at Karnataka State Fire and Emergency Services, Chief Fire Officer’s Office, Pandeshwara, Mangalore 575001.

Membership of Scientific and Professional Societies and Organizations:

- IPS (Indian Prosthodontic Society) Lifetime Membership
- KPS (Karnataka Prosthodontic Society) Lifetime Membership
- IRCS (Indian Red Cross Society) Lifetime Membership
- IDA (Indian Dental Association) Annual Membership
- ADPO (Association of Dental and Prosthetic Oncology). Associate Member, Life time memberships.