

# Dr. Aisha Habeeb, MDS

- ✓ **Senior Consultant – Endodontics & Restorative Dentistry, FMS Dental Hospital, Koti**
- ✓ **Associate Professor – Conservative Dentistry & Endodontics, Sri Sai College of Dental Surgery (SSCDS), Vikarabad**
- ✓ **Director – Department of Material Sciences, SSCDS**

## Executive Profile

Dr. Aisha Habeeb is a highly accomplished and patient-focused endodontist and restorative dentist with over 15 years of clinical experience and a strong academic and research background. Known for her precision-driven approach and scientific rigor, she specializes in advanced endodontics, restorative dentistry, and biomaterials innovation.

Her clinical practice is centered on preserving natural dentition through minimally invasive, evidence-based techniques and advanced endodontic protocols. She has extensive expertise in managing complex root canal cases, retreatments, and rehabilitation of structurally compromised teeth, consistently delivering predictable functional and aesthetic outcomes.

Dr. Aisha is particularly distinguished by her integration of clinical dentistry with biomaterials research. Her work in green-synthesized silver nanoparticles and advanced nanocomposite materials reflects a forward-thinking approach to improving antimicrobial efficacy, biocompatibility, and long-term success in dental treatments.

Alongside her clinical excellence, she is an accomplished academician and mentor, actively involved in dental education, research, and innovation. Her multidisciplinary approach bridges clinical practice, material science, and teaching, contributing significantly to the advancement of modern conservative dentistry and endodontics.

## Academic Qualifications

- ✓ **Master of Dental Surgery (MDS) – Conservative Dentistry & Endodontics**  
SVS Institute of Dental Sciences, Mahbubnagar (2018)
- ✓ **Bachelor of Dental Surgery (BDS)**  
Sri Sai College of Dental Surgery, Vikarabad (2011)

## Professional Experience

- ✓ 15+ years of clinical experience in general dentistry
- ✓ 8+ years of specialization in Conservative Dentistry & Endodontics
- ✓ Senior Consultant at FMS Dental Hospital, Koti
- ✓ Associate Professor at SSCDS, Vikarabad
- ✓ Director – Department of Material Sciences (since 2023)
- ✓ Active mentor to undergraduate and postgraduate dental students
- ✓ Extensive involvement in biomaterials research and innovation

## Core Clinical Expertise

Dr. Aisha's clinical proficiency includes:

- ✓ Advanced root canal treatments using rotary endodontics
- ✓ Retreatment of failed endodontic cases
- ✓ Laser-assisted and ultrasonic endodontic procedures
- ✓ Management of internal resorption and periapical pathologies
- ✓ Esthetic restorative dentistry (direct and adhesive restorations)
- ✓ Smile enhancement procedures including bleaching and space closure
- ✓ Post and core restorations for structurally compromised teeth
- ✓ Deep caries management and vital pulp therapy
- ✓ Minimally invasive dentistry and preventive care

## Clinical Case Experience

Dr. Aisha has extensive experience in managing complex and multidisciplinary dental cases, including:

- ✓ Challenging endodontic anatomies (C-shaped canals, calcified canals, extra canals)
- ✓ Retreatment and failed root canal management
- ✓ Internal resorption and cystic periapical lesions
- ✓ Esthetic smile enhancement and restorative rehabilitation
- ✓ Comprehensive rehabilitation of structurally compromised dentition

Her clinical philosophy emphasizes precision, conservation of tooth structure, and long-term functional and esthetic success.

## Advanced Training & Continuing Education

Dr. Aisha remains committed to continuous professional development and technological advancement:

- ✓ Rotary and advanced endodontic systems
- ✓ Laser applications in endodontics
- ✓ Ultrasonic techniques in root canal therapy
- ✓ Biomaterials and nanotechnology in dentistry
- ✓ Evidence-based minimally invasive dentistry

## Research & Publications

Dr. Aisha Habib has made notable contributions to dental research with publications in peer-reviewed national and international journals. Her research interests include:

- ✓ Antimicrobial efficacy of Ayurvedic extracts and Alexidine against *Enterococcus faecalis*
- ✓ Development and evaluation of green-synthesized silver nanoparticles

- ✓ Advances in nanocomposite dental materials
- ✓ Clinical innovations in endodontics and restorative dentistry

S. No.	Authors	Title	Journal / Source	Year / Details
1	Maurya P, Habeb A, Kamishetty S, Reddy S, Srivastava P, Ravalika K	Effect of Incorporating Various Nanoparticles on the Flexural Strength, Compressive Strength, and Antimicrobial Activity of Conventional Glass Ionomer Cement: An In Vitro Study	International Journal of Dental Science and Innovative Research	2025; 8(4): 111–119
2	Habeb A, Ramesh S	Knowledge, Attitudes, and Practices Regarding Nanoparticles in Endodontics: A Survey Study	Frontiers in Health Informatics	2024; 13(3): 6705–14
3	Shareef MS, Reddy S, Habeb A, Singh TV, Firdaus T, Bhattacharjee P	Canal-Centering and Apical Transportation Ability of Similar Cross-Section NiTi Instruments Working with Different Kinematics – Micro-CT-Based In Vitro Analysis	J Pharm Bioall Sci	2024; 16:S1365-8
4	Habeb A, Ramesh S, Shanmugam R	Calotropis procera and the Pharmacological Properties of Its Aqueous Leaf Extract: A Review	Cureus	2024;16(5): e60354
5	Habeb A, Ramesh S, Palaniswamy UK, Shanmugam R	Elimination of Enterococcus faecalis in the Root Canals Using Ayurvedic Extracts Obtained from Calotropis procera: An In Vitro Study	Plant Sci. Today	2024; 11(3)
6	Singh TV, Sattiraju PS, Kamishetty S, Reddy S, Bhattacharjee P, Habeb A	Effect of a novel quaternary ammonium silane based cavity cleanser FiteBac 2% K21 QAS in comparison with other cavity disinfectants on the bond strength of resin-modified glass ionomer cement	J Conserv Dent Endod	2023;26:688-92
7	Palaniswamy UK, Amravai AR, Mandadi SR, Habeb A	Effect of Alcoholic Beverages on Shear Bond Strength of Composites to Enamel	J Conserv Dent	2018;21:542-5
8	Palaniswamy U, Habeb A, Mohsin M	Efficacy of titanium dioxide nanoparticle spray to disinfect mobile phones used by	J Conserv Dent	2018;21:226-9

S. No.	Authors	Title	Journal / Source	Year / Details
		endodontist: A bacteriological study		
9	Surender LR, Shikha A, Swathi A, Manaswini C, Habeeb A, Prabha SS	Alexidine: a Safer and an effective root canal irrigant than Chlorhexidine	J Clin Diagn Res	2017 Jul;11(7):ZC18-ZC21

## Awards & Achievements

- ✓ Session Best Poster – IACDE & IES National Conference, Kolkata (2016)
- ✓ Silver Award – Paper Presentation, FAMDENT, Hyderabad (2017)
- ✓ Session Best Paper – IACDE & IES National Conference, Ahmedabad (2017)
- ✓ Case Report of the Month – IACDE, Navi Mumbai (2019)
- ✓ Best Paper – International Conference on Medicinal Chemistry, Chennai (2023)
- ✓ First Runner-Up – Institutional Innovation Hackathon, SSCDS (2026)
- ✓ Invited Speaker – Senquel Forum, SSCDS (2023)

## Professional Memberships

- ✓ Indian Association of Conservative Dentistry & Endodontics (IACDE)

## Teaching & Mentorship

A dedicated educator and academic leader, Dr. Aisha actively contributes to dental education through:

- ✓ Training undergraduate and postgraduate students in endodontics
- ✓ Clinical mentoring and case-based learning
- ✓ Research guidance and academic development
- ✓ Leadership roles in material sciences and preclinical dentistry
- ✓ Participation in national and international academic forums

## Clinical Philosophy

Dr. Aisha believes in delivering dentistry that combines precision, innovation, and patient comfort. Her approach emphasizes:

- ✓ Minimally invasive and conservative treatment strategies
- ✓ Evidence-based clinical decision-making
- ✓ Integration of biomaterials science with clinical practice
- ✓ Personalized patient care and long-term outcomes
- ✓ Functional excellence with esthetic harmony

## **Professional Approach**

Recognized for her meticulous attention to detail and scientific approach, Dr. Aisha combines clinical expertise with research-driven innovation. Her calm and patient-centric demeanor ensures a comfortable treatment experience while maintaining the highest standards of care.

## **Consultation**

Patients seeking expert care in endodontics, restorative dentistry, and advanced dental treatments can consult **Dr. Aisha Habeeb** at FMS Dental Hospital, Koti, Hyderabad.