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Dr. JAIDEEP MAHENDRA, MDS, PhD, POST DOC(USA), PGDHM, FIABMS, FISDR is working as a Professor and PhD guide in the Department of Periodontology and is presently the Director of Research and Post Graduate Studies, Meenakshi Ammal Dental College, Chennai. She completed Bachelors degree (BDS) from Govt Dental College, Patiala, Punjab, masters and PhD from Annamalai University, Tamil Nadu (India) and Post Doc from Michigan State University (USA). She is a fellow of Indian Association of Biomedical Scientists (FIABMS) and Indian Society of Dental Research (FISDR). She has many awards to her credit and among them the most outstanding awards are the best 'RESEARCH FELLOWSHIP AWARD' in the field of Periodontology from the then Hon'ble Union Health Minister, The 'YOUNG ACHIEVER'S AWARD' at (ICDRO) World Dental Conference, for PhD research in the field of Periodontal medicine, " TAMIL NADU YOUNG WOMEN SCIENTISTS AWARD" for her contribution in the field of Dental Research, the "BEST TEACHER AWARD" for Dental Education on the occasion of the Dentist Day organized by Dr. M.G.R. Medical University of Govt. of Tamil Nadu, the "BEST SCIENTIFIC PUBLICATION AWARD" at International Association for Dental Research and the TANSA Award from the Govt of Tamilnadu. She has been appointed as a PhD guide for MAHER University and Dr MGR University Chennai and is a reviewer for many National and International Journals such as Journal of Indian Society of Periodontology, Journal of Biomedicine and International Journal of Medicine & Medical Sciences, Journal of American academy of Periodontology, Journal of International Clinical Dental Research Organization, Indian Journal of Dental Research, PLOS and Journal of clinical and diagnostic Research.

She has more than **224 publications** in both National and International INDEXED journals with good impact factors to her credit. Apart from this, she has 1 patent granted and 9 patents published. She has contributed 20 books related to periodontology as an author along with the Book entitled "Periodontal pathogens in sub-gingival and atherosclerotic plaque". She has guided 20 PhD scholars and at present is guiding 8 PhD students.

Her current research activities are based on YOGA PRACTICES ON DENTAL HEALTH, PERIODONTAL MEDICINE using holistic approach with pharmacological formulations and holds patent for a novel pharmaceutical local drug delivery formulation to treat periodontal infection. In recognition of her research and innovations in the field of periodontal medicine, the Tamil Nadu State Council for Science and Technology has selected her for the prestigious Tamil Nadu Scientist Award (TANSA) in the field of medical science for the year 2019.

She believes in functional medicine, holistic healing methods, and has researched many herbs and plant extracts. She has worked on various medicinal herbal plant extracts and home remedies the local drug delivery systems in the treatment of periodontal diseases. Her extensive research on the cytotoxic and anti-carcinogenic effects of mangosteen pericarp, spirulina, Ginkgo biloba and curcumin formulating the antimicrobial periodontal gel as one of the treatment modalities for gum diseases has brought the herbal plant extracts into limelight in the field of Dental research. Further, she has used these therapeutic herbal medicines in the treatment of chronic periodontitis. Her current areas of research are STEM CELLS, PERIODONTAL MEDICINES AND YOGA PRACTICES IN PERIODONTICS.