

Arizona Section

Vice President

Inder Raj Makin

Arizona School of Dentistry & Oral Health, A.T. Still University

Inder Raj S. Makin, MD, PhD is a trained medical physician and bioengineering scientist, specializing in medical device and technology development. He is a tenured Professor at Arizona School of Dentistry & Oral Health (ASDOH), and ATSU-Arizona School of Osteopathic Medicine (ATSU-SOMA), Mesa AZ. Pertinent to dental research, during the past decade at ASDOH, Inder has worked in the areas of gamification of dental education, periodontal disease management, laser applications in dentistry, investigation of saliva pH for oral buffering agents, saliva pH assessment related for nicotine pouches, temporomandibular joint imaging using ultrasound, and investigation of endodontic root canal flow using a benchtop, automated microflow system. During these projects, Inder has worked extensively with periodontists, general dentists, orthodontists, pain specialists, dental radiologists as well as other dental researchers. He has supervised over 20 dental students who were engaged in his projects. His research was presented at prestigious professional meetings (~10 abstracts at IADR, ADEA, ALD, AZ AADOCR, and ASLMS). Further dental research output has been 3 peer reviewed publications, and 3 issued US-patents, as well as ~\$125,000 in competitive institutional funding (co-PI), as well as corporate funding. In collaboration with Assistant Dean of Research (Dr. Spolarich), using competitive grant funding and alumni endowment, he helped configure and operationalize the ASDOH research lab, having wet tissue testing and bench research capabilities.

The capabilities listed here are limited in context of Inder's engagement in dental education and research only. His track record of publications, patents, and grant/foundational funding are much more extensive.