Asst.Prof. Dr. Sutiwa Benjakul

PRESENT APPOINTMENT	
Division	orthodontics Faculty of Dentistry Thammasat University
E-mail	sutiwa_b@tu.ac.th
Phone Number	02-986-9213
Research profile	Research Dentistry TU > Scopus > Researcher ID > ORCID
Research Theme	Thammasat University Research Unit in Dental Biomechanics
Areas of Research Expertise	

Research funding

Proposal	funding	Amount	Year

Presentation of academic

Title	Presentation	funding	About	Year

PUBLICATIONS

Scopus

1	**The Evaluation of Degree of Monomer Conversion, Biaxial Flexural Strength, and Surface Mineral Precipitation of Orthodontic Adhesive Containing Sr-Bioactive Glass Nanoparticles, Calcium Phosphate, and Andrographolide** Chaichana, W., Chanachai, S., Insee, K., ... Panpisut, P., Chetpakdeechit, W. Materials, 18(10), 2278 2025
2	**Degree of monomer conversion upon light-curing condition, biaxial flexural strength, and surface apatite formation of orthodontic adhesive containing calcium phosphate and nisin** Chanachai, S., Chaichana, W., Benjakul, S., ... Chetpakdeechit, W., Panpisut, P. Clinical and Investigative Orthodontics 2025
3	**Effects of Enamel Pretreatment Methods and Timing of Applications on Orthodontic Bond Strength** Pattamalai, U., Klaisiri, A., Benjakul, C., Benjakul, S. Journal of International Dental and Medical Research, 17(4), pp. 1393–1400 2024
4	**Physical/mechanical and antibacterial properties of orthodontic adhesives containing Sr-bioactive glass nanoparticles, calcium phosphate, and andrographolide** Chaichana, W., Insee, K., Chanachai, S., ... Naruphontjirakul, P., Panpisut, P. Scientific Reports, 12(1), 6635 2022

5	**Effects of miniscrew location on biomechanical performances of bone-borne rapid palatal expander to midpalatal suture: A finite element study** Sermboonsang, C., Benjakul, S., Chantarapanich, N., Inglam, S., Insee, K. Medical Engineering and Physics, 107, 103872 2022
6	**Physical/mechanical and antibacterial properties of orthodontic adhesives containing calcium phosphate and nisin** Chanachai, S., Chaichana, W., Insee, K., ... Aupaphong, V., Panpisut, P. Journal of Functional Biomaterials, 12(4), 73 2021
7	**Vibration synergistically enhances IL-1β and TNF-α in compressed human periodontal ligament cells in the frequency-dependent manner** Benjakul, S., Unat, B., Thammanichanon, P., Leethanakul, C. Journal of Oral Biology and Craniofacial Research, 10(4), pp. 412–416 2020
8	**Low magnitude high frequency vibration induces RANKL via cyclooxygenase pathway in human periodontal ligament cells in vitro** Benjakul, S., Leethanakul, C., Jitpukdeebodintra, S. Journal of Oral Biology and Craniofacial Research, 9(3), pp. 251–255 2019
9	**Effects of low magnitude high frequency mechanical vibration combined with compressive force on human periodontal ligament cells in vitro** Benjakul, S., Jitpukdeebodintra, S., Leethanakul, C. European Journal of Orthodontics, 40(4), pp. 356–363 2018

TCI