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|  | Asst.Prof. Dr. Kanlaya Insee | |
| | PRESENT APPOINTMENT | |
| | Division | Orthodontics Faculty of Dentistry Thammasat University |
| | E-mail | ikanlaya@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 |
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Presentation of academic

| Title | Presentation | funding | About | Year |
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PUBLICATIONS

Scopus

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| 1 | <p><u>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</u></p> <p>Chaichana, W., Chanachai, S., Insee, K., ... Panpisut, P., Chetpakdeecheit, W. <u>Materials</u>, 18(10), 2278 2025</p> |
| 2 | <p><u>Degree of monomer conversion upon light-curing condition, biaxial flexural strength, and surface apatite formation of orthodontic adhesive containing calcium phosphate and nisin</u></p> <p>Chanachai, S., Chaichana, W., Benjakul, S., ... Chetpakdeecheit, W., Panpisut, P. <u>Clinical and Investigative Orthodontics</u> 2025</p> |
| 3 | <p><u>Shear Bond Strength of Orthodontic Brackets to Resin-Infiltrated Enamel</u></p> <p>Insee, K., Boonyanitchayakul, N., Temprasert, C., Klaisiri, A. <u>European Journal of General Dentistry</u>, 14(2), pp. 136–141 2024</p> |
| 4 | <p><u>Analysis of Stress Distribution and Displacement Based on the Miniscrew Positions of the Palatal Slope Bone-borne Expander: A Finite Element Study</u></p> <p>Leeisaramas, C., Chantarapanich, N., Inglam, S., Insee, K. <u>European Journal of Dentistry</u>, 18(4), pp. 1012–1021</p> |

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| | 2024 |
| 5 | <p><u>Physical/mechanical and antibacterial properties of orthodontic adhesives containing Sr-bioactive glass nanoparticles, calcium phosphate, and andrographolide</u></p> <p><u>Chaichana, W., Insee, K., Chanachai, S., ... Naruphontjirakul, P., Panpisut, P.</u> <u>Scientific Reports, 12(1), 6635</u> 2022</p> |
| 6 | <p><u>Effects of miniscrew location on biomechanical performances of bone-borne rapid palatal expander to midpalatal suture: A finite element study</u></p> <p><u>Sermboonsang, C., Benjakul, S., Chantarapanich, N., Inglam, S., Insee, K.</u> <u>Medical Engineering and Physics, 107, 103872</u> 2022</p> |
| 7 | <p><u>In Vitro Corrosion of Stainless Steel and Nickel-Free Brackets after Exposure to Fluoride Agents</u></p> <p><u>Pipatvadekul, N., Insee, K., Inglam, S., Klaisiri, A.</u> <u>Journal of International Dental and Medical Research, 15(3), pp. 984–989</u> 2022</p> |
| 8 | <p><u>Physical/mechanical and antibacterial properties of orthodontic adhesives containing calcium phosphate and nisin</u></p> <p><u>Chanachai, S., Chaichana, W., Insee, K., ... Aupaphong, V., Panpisut, P.</u> <u>Journal of Functional Biomaterials, 12(4), 73</u> 2021</p> |
| 9 | <p><u>Biomechanical study of midpalatine suture and miniscrews affected by maturation of midpalatine suture, monocortical and bicortical miniscrew placement in bone-borne rapid palatal expander: A finite element study</u></p> <p><u>Sermboonsang, C., Chantarapanich, N., Inglam, S., Insee, K.</u> <u>Science Engineering and Health Studies, 14(2), pp. 109–122</u> 2020</p> |
| 10 | <p><u>Comparisons of the chondroitin sulphate levels in orthodontically moved canines and the clinical outcomes between two different force magnitudes</u></p> <p><u>Insee, K., Pothacharoen, P., Kongtawelert, P., ... Jotikasthira, D., Krisanaprakornkit, S.</u> <u>European Journal of Orthodontics, 36(1), pp. 39–46</u> 2014</p> |

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| 1 | <p>Effect of fluoride-containing products on nickel-free orthodontic brackets</p> <p><i>Kanlaya Insee, Natsinee Pipatvadekul, Samroeng Inglam</i></p> <p><u>Mahidol Dental Journal</u> Volume 41, Issue 1, 2021, pp. 69-74</p> |
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| 2 | <p>Self-perceived Orthodontic Treatment Needs and Self-perceptions on Dental Aesthetic in Early Adolescence</p> <p><i>Kanlaya Insee, Nichapat Rieopisittangkit, Nattawut Borikul, Raru Sukjariangporn</i></p> <p><u>Khon Kaen University Dental Journal</u> Volume 23, Issue 3, 2020, pp. 44-51</p> |
| 3 | <p>Biomechanical study of midpalatine suture and miniscrews affected by maturation of midpalatine suture, monocortical and bicortical miniscrew placement in bone-borne rapid palatal expander: a finite element study</p> <p><i>Chayapa Sermboonsang, Nattapon Chantarapanich, Samroeng Inglam, Kanlaya Insee</i></p> <p><u>Science, Engineering and Health Studies</u> Volume 14, Issue 2, 2020, pp. 109-122</p> |
| 4 | <p>Effect of Different Mouthwashes on the Elastic Force of Elastomeric Chain</p> <p><i>Kanlaya Insee, Kanittha Chinprasert, Nattida Vipaschiwin, Natthaporn Juntila</i></p> <p><u>Journal of the Dental Association of Thailand</u> Volume 67, Issue 4, 2017, pp. 296-306</p> |