Assoc.Prof. Dr. Samroeng Inglam

PRESENT APPOINTMENT	
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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	**Finite element study of the efficacy of three different loops for bodily protraction of the mandibular molar** Mehta, A., Shah, A., Prasad, A., ... Fareed, M., Marya, A. Scientific Reports, 15(1), 13938 2025
2	**Development and validation of predictive models for skeletal malocclusion classification using airway and cephalometric landmarks** Marya, A., Inglam, S., Chantarapanich, N., ... Rithvitou, H., Naronglerdrit, P. BMC Oral Health, 24(1), 1064 2024
3	**Retrospective analysis of the upper airway anatomy and Sella turcica morphology across different skeletal malocclusions: a computerized technique** Marya, A., Inglam, S., Dagnaud, A., ... Rithvitou, H., Chantarapanich, N. BMC Oral Health, 24(1), 1110 2024
4	**Analysis of Stress Distribution and Displacement Based on the Miniscrew Positions of the Palatal Slope Bone-borne Expander: A Finite Element Study** Leeisaramas, C., Chantarapanich, N., Inglam, S., Insee, K. European Journal of Dentistry, 18(4), pp. 1012–1021

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5	**Finite Element Analysis of Mandibular Advancement Comparing Hunsuck/Epker and a Novel Modification of the Low Z Plasty Technique of BSSO** Boonlue, S., Patchanee, S., Inglam, S., Chaiprakit, N. Applied Sciences Switzerland, 14(5), 1795 2024
6	**Clinical challenges of biomechanical performance of narrow-diameter implants in maxillary posterior teeth in aging patients: A finite element analysis** Prasitwuttisak, S., Chantarapanich, N., Apinyauppatham, K., Poomparnich, K., Inglam, S. Plos One, 19(3), pp. 1–17, e0299816 2024
7	**Effects of post-processing curing parameters and gamma irradiation on the mechanical properties of medical graded vat photopolymerization parts** Daoset, N., Inglam, S., Wanchat, S., Chantarapanich, N. Rapid Prototyping Journal, 30(3), pp. 475–489 2024
8	**Influence of Augmented Fixation to Dynamic Hip Screw on Trochanteric Lateral Wall** Chantarapanich, N., Inglam, S., Wanchat, S. Key Engineering Materials, 987, pp. 41–45 2024
9	**Apparent Modulus of Honeycomb Structure: A Guideline for Porous Structure Implant Design** Sanpanyawai, P., Inglam, S., Chantarapanich, N., Poomparnich, K. Oral Sciences Reports, 45(1), pp. 20–26 2024
10	**Comparison of stress distribution on articular disc between the Hunsuck/Epker and NM-Low Z plasty technique for mandibular setback procedure** Sakyanun, C., Chaiprakit, N., Inglam, S., Patchanee, S. Science Engineering and Health Studies, 18, 24050020 2024
11	**Investigating the Mechanical Enhancement of Epoxy Composites with Human Hair** Yaiphuak, T., Inglam, S., Wongwaitongtee, U., ... Dagnaud, A., Wanchat, S. Materials Science Forum, 1130, pp. 89–94 2024
12	**Biomechanical evaluation of two internal fixation systems for the treatment of mandibular symphyseal fracture** Wongwaithongdee, U., Inglam, S., Chantarapanich, N.

	Proceedings of the Institution of Mechanical Engineers Part H Journal of Engineering in Medicine, 237(5), pp. 597–606 2023
13	**Assessment of deep convolutional neural network models for mandibular fracture detection in panoramic radiographs** Warin, K., Limprasert, W., Suebnukarn, S., ... Jantana, P., Vicharueang, S. International Journal of Oral and Maxillofacial Surgery, 51(11), pp. 1488–1494 2022
14	**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
15	**Finite element analysis between Hunsuck/Epker and novel modification of Low Z plasty technique of mandibular sagittal split osteotomy** Dumrongwanich, O., Chantarapanich, N., Patchanee, S., Inglam, S., Chaiprakit, N. Proceedings of the Institution of Mechanical Engineers Part H Journal of Engineering in Medicine, 236(5), pp. 646–655 2022
16	**In Vitro Corrosion of Stainless Steel and Nickel-Free Brackets after Exposure to Fluoride Agents** Pipatvadekul, N., Insee, K., Inglam, S., Klaisiri, A. Journal of International Dental and Medical Research, 15(3), pp. 984–989 2022
17	**Biomechanical effect of length and diameter of a short implant used in splinted prosthesis at the posterior atrophic maxilla of aging patients: A finite element study** Pornsuksawang, T., Inglam, S., Chantarapanich, N. Science Engineering and Health Studies, 15 2021
18	**Effect of implant diameter and cortical bone thickness on biomechanical performance of short dental implant-supported distal cantilever: A finite element study** Muangsisied, S., Chantarapanich, N., Veerasakul, M.S., Inglam, S. Engineering Journal, 25(2), pp. 175–182 2021
19	**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** Sermboonsang, C., Chantarapanich, N., Inglam, S., Insee, K.

	Science Engineering and Health Studies, 14(2), pp. 109–122 2020
20	**The combination effects of age-related bone mechanical property, cortical bone thickness and incisal relationship on biomechanical performance of narrow diameter implant placed in atrophic anterior maxilla: Finite element analysis** Chaichanasiri, E., Inglam, S. Engineering Journal, 24(6), pp. 117–125 2020
21	**3D finite element study of biomechanical performances of short implant supporting fixed prosthesis** Sanpanyawai, P., Inglam, S., Chaichanasiri, E. Iecbes 2016 IEEE EMBS Conference on Biomedical Engineering and Sciences, pp. 669–673, 7843534 2016
22	**Biomechanical evaluation of a novel porous-structure implant: Finite element study** Inglam, S., Chantarapanich, N., Suebnukarn, S., ... Sucharitpwatskul, S., Sitthiseripratip, K. International Journal of Oral and Maxillofacial Implants, 28(2), pp. e48–e56 2013
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24	**Influence of graft quality and marginal bone loss on implants placed in maxillary grafted sinus: A finite element study** Inglam, S., Suebnukarn, S., Tharanon, W., Apatananon, T., Sitthiseripratip, K. Medical and Biological Engineering and Computing, 48(7), pp. 681–689 2010

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2	Effect of implant diameter and cortical bone thickness on biomechanical performance of short dental implant-supported distal cantilever: A finite element study *Suthep Muangsisied, Nattapon Chantarapanich, Melvin Stanley Veerasakul, Samroeng Inglam*

	Engineering Journal Volume 25, Issue 2, 2021, pp. 175-182
3	Effect of fluoride-containing products on nickel-free orthodontic brackets *Kanlaya Insee*, *Natsinee Pipatvadekul*, *Samroeng Inglam* Mahidol Dental Journal Volume 41, Issue 1, 2021, pp. 69-74
4	Biomechanical effect of length and diameter of a short implant used in splinted prosthesis at the posterior atrophic maxilla of aging patients: A finite element study *Nattapon Chantarapanich*, *Tortrakul Pornsuksawang*, *Samroeng Inglam* Science, Engineering and Health Studies Volume 15, Issue 1, 2021, pp. 21040001
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7	Influence of Bone Implant Contact on Biomechanical performance of Short Implant Placed in Atrophic Posterior Mandible *Sukolrat Chuepeng*, *Samroeng Inglam*, *Nattapon Chantarapanich*, *Kriskrai Sitthiseripratip* King Mongkut's University of Technology North Bangkok International Journal of Applied Science and Technology Volume 10, Issue 3, 2017, pp. 213-221
8	The effect of the mismatch between mandibular arch form and projecting mode of panoramic radiograph on the accuracy of bone height measurement in posterior mandibl *Samroeng Inglam*, *Palm Cholprasertsuk*, *Paphawee Somrit*, *Padchara Kongyodsueb* Thai Journal of Oral and Maxillofacial Surgery Volume 30, Issue 2, 2016, pp. 154-162
9	The influence of crestal cortical bone thickness (CCBT) and implant diameter on biomechanical performance of short implant placed in atrophic posterior maxilla : finite element analysis cited 0

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10	Biomechanical Aspect of Short Implants Placed in the Posterior Maxilla *Samroeng Inglam* Thai Science and Technology Journal Volume 21, Issue 3, 2013, pp. 252-263
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