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	PRESENT APPOINTMENT : Vice Dean for Graduate Studies, Research and Innovations Course Director MSc. In Implant Dentistry Faculty of Dentistry, Thammasat University		
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	Research profile	Research Dentistry TU > Scopus > Researcher ID > ORCID	
	Research Theme	Research Unit in Innovations in Periodontics, Oral Surgery and advanced technology in Implant Dentistry	
	Areas of Research Expertise	Professional membership <ul style="list-style-type: none"> • Swiss Society of Reconstructive Dentistry (SSRD) • British Society of Periodontology (BSP) • United Kingdom Society of Biomaterials (UKSB) • European Society of Biomaterials (ESB) • International Team for Implantology (ITI) • The Dental Council of Thailand • The Dental Association of Thailand Technical Skills <ul style="list-style-type: none"> • Cell and tissue culture, micro-computed tomography (μCt) analysis, • In vivo experiment study on bone regeneration 	

Research funding

Proposal	funding	Amount	Year
The clinical efficacy of Polycaprolactone impregnated 3D printed hydroxyapatite in maxillary sinus augmentation for dental implant therapy	Thammasat University	250,000	2021

Presentation of academic

Title	Presentation	funding	About	Year

PUBLICATIONS

Scopus

1	<p><u>Intrasinus Decontamination for Maxillary Sinus Infection Related to the Apically Exposed Implant in the Sinus: A Report of Two Cases</u></p> <p>Park, W.-B., Buranawat, B., Shin, S.-I., Lim, H.-C.</p> <p><u>Journal of Oral Implantology</u>, 51(2), pp. 159–165</p> <p>2025</p>
2	<p><u>Development of Prevascularized Synthetic Block Graft for Maxillofacial Reconstruction</u></p> <p>Buranawat, B., Shaalan, A., Garna, D.F., Di Silvio, L.</p> <p><u>Journal of Functional Biomaterials</u>, 16(1), 18</p> <p>2025</p>

3	<p><u>Connective Tissue Graft May Compensate for Residual Bone Defect of the Implant in the Esthetic Zone: A Case Report with 7-year Follow-up</u> <u>Lim, H.-C., Janaphan, K., Sathitthammaphon, T., Hansakul, P., Buranawat, B.</u> <u>Oral Sciences Reports, 45(3), pp. 81–87</u> 2024</p>
4	<p><u>Horizontal Ridge Augmentation Using Sticky Bone with Platelet-Rich Fibrin (PRF) in Anterior Maxilla Clinical and Histologic Evidence: A Case Report</u> <u>Janaphan, K., Buranawat, B., Hanroongsri, J., Ardsungnoen, S., Sathitthammaphon, T.</u> <u>Oral Sciences Reports, 45(2), pp. 72–78</u> 2024</p>
5	<p><u>Ten-year prognostic outcomes of molar survival using the Miller-Mcentire Periodontal Prognostic Index - A longitudinal prospective study</u> <u>Gopalakrishnan, D., Miller, P.D., Levine, R.A., ... Miller, W., Buranawat, B.</u> <u>Journal of Indian Society of Periodontology, 28(1), pp. 75–78</u> 2024</p>
6	<p><u>Polycaprolactone versus collagen membrane and 1-year clinical outcomes: A randomized controlled trial</u> <u>Kusirisin, T., Suwanprateeb, J., Buranawat, B.</u> <u>Clinical Implant Dentistry and Related Research, 25(2), pp. 330–342</u> 2023</p>
7	<p><u>Quantitative parameters of digital occlusal analysis in dental implant supported restorative reconstruction recent 5 years: a systematic review</u> <u>Zhou, T., Mirchandani, B., Li, X.-X., Mekcha, P., Buranawat, B.</u> <u>Acta Odontologica Scandinavica, 81(1), pp. 1–17</u> 2023</p>
8	<p><u>Customized 3D printed nanohydroxyapatite bone block grafts for implant sites: A case series</u> <u>Mekcha, P., Wongpairojpanich, J., Thammarakcharoen, F., Suwanprateeb, J., Buranawat, B.</u> <u>Journal of Prosthodontic Research, 67(2), pp. 311–320</u> 2023</p>
9	<p><u>Clinical performance evaluation of screw- and cement-retained implant restorations- An up to 10 year retrospective research</u> <u>Zhou, T., Vuthiparum, J., Kesa, R., Buranawat, B.</u> <u>ACM International Conference Proceeding Series, pp. 93–96</u> 2022</p>
10	<p><u>Oro-facial mucocutaneous manifestations of Coronavirus Disease-2019 (COVID-19): A systematic review</u> <u>Fakhruddin, K.S., Samaranayake, L.P., Buranawat, B., Ngo, H.</u> <u>Plos One, 17(6 June), e0265531</u></p>

	2022
11	<p><u>A 5-year prospective validation of the Miller-McEntire Periodontal Prognostic Index</u> <u>Dharmarajan, G., Miller, P., Levine, R., ... Phantumvanit, P., Buranawat, B.</u> <u>Journal of Indian Society of Periodontology, 26(2), pp. 157–161</u> 2022</p>
12	<p><u>Clinical evaluation of 3D printed nano-porous hydroxyapatite bone graft for alveolar ridge preservation: A randomized controlled trial</u> <u>Kijartorn, P., Wongpairojpanich, J., Thammarakcharoen, F., Suwanprateeb, J., Buranawat, B.</u> <u>Journal of Dental Sciences, 17(1), pp. 194–203</u> 2022</p>
13	<p><u>Biomechanical aspects of various attachments for implant overdentures: A review</u> <u>Mirchandani, B., Zhou, T., Heboyan, A., Yodmongkol, S., Buranawat, B.</u> <u>Polymers, 13(19), 3248</u> 2021</p>
14	<p><u>Digital occlusal analysis of pre and post single posterior implant restoration delivery: A pilot study</u> <u>Zhou, T., Wongpairojpanich, J., Sareethammanuwat, M., Lilakhunakon, C., Buranawat, B.</u> <u>Plos One, 16(7 July), e0252191</u> 2021</p>
15	<p><u>Effectiveness of bilayer porous polyethylene membrane for alveolar ridge preservation: A randomized controlled trial</u> <u>Wongpairojpanich, J., Kijartorn, P., Suwanprateeb, J., Buranawat, B.</u> <u>Clinical Implant Dentistry and Related Research, 23(1), pp. 73–85</u> 2021</p>
16	<p><u>The efficacy of bio-aerosol reducing procedures used in dentistry: a systematic review</u> <u>Samaranayake, L.P., Fakhruddin, K.S., Buranawat, B., Panduwawala, C.</u> <u>Acta Odontologica Scandinavica, 79(1), pp. 69–80</u> 2021</p>
17	<p><u>A comparative study of granular agglomeration between 3D printed hydroxyapatite and commercial bone graft granules</u> <u>Thammarakcharoen, F., Yampakdee, A., Buranawat, B., Suwanprateeb, J.</u> <u>Key Engineering Materials, 798 KEM, pp. 83–87</u> 2019</p>
18	<p><u>Evaluation of periodontally diseased molars in diabetics with Miller-McEntire Periodontal Prognostic Index</u> <u>Gopalakrishnan, D., Miller, P.D., Mahuli, A.V., ... Phantumvanit, P., Buranawat, B.</u> <u>Journal of Indian Society of Periodontology, 22(5), pp. 401–405</u> 2018</p>

19	<p><u>Prospective evaluation of periodontally diseased molars in smokers using the Miller-McEntire Periodontal Prognostic Index</u></p> <p>Gopalakrishnan, D., Miller, P., Mahuli, A., ... Phantumvanit, P., Buranawat, B. <u>Journal of Indian Society of Periodontology</u>, 22(4), pp. 304–309 2018</p>
20	<p><u>The use of three dimensional printed hydroxyapatite granules in alveolar ridge preservation</u></p> <p>Kijartorn, P., Thammarakcharoen, F., Suwanprateeb, J., Buranawat, B. <u>Key Engineering Materials</u>, 751 KEM, pp. 663–667 2017</p>
21	<p><u>Efficacy of soft tissue augmentation around dental implants and in partially edentulous areas: A systematic review</u></p> <p>Thoma, D.S., Buranawat, B., Hämmerle, C.H.F., Held, U., Jung, R.E. <u>Journal of Clinical Periodontology</u>, 41, pp. S77–S91 2014</p>
22	<p><u>Evaluation of a b-calcium metaphosphate bone graft containing bone morphogenetic protein-7 in rabbit maxillary defects</u></p> <p>Buranawat, B., Di Silvio, L., Deb, S., ... Sennerby, L., Palmer, R.M. <u>Journal of Periodontology</u>, 85(2), pp. 298–307 2014</p>
23	<p><u>Vascularisation of tissue-engineered constructs</u></p> <p>Buranawat, B., Kalia, P., Di Silvio, L. Standardisation in Cell and Tissue Engineering Methods and Protocols, pp. 77–103 2013</p>
24	<p><u>Biological characterization of biomaterials: In vitro tests</u></p> <p>Gurav, N., Buranawat, B., Di Silvio, L. Surface Tailoring of Inorganic Materials for Biomedical Applications, pp. 207–223 2012</p>
25	<p><u>Bioengineered vascularized bone graft</u></p> <p>Buranawat, B., Palmer, R., Deb, S., Idowu, B., Di Silvio, L. 24th European Conference on Biomaterials Annual Conference of the European Society for Biomaterials 2011</p>
26	<p><u>Bone graft substitutes as drug-device combination products</u></p> <p>Koller, G., Buranawat, B., Di Silvio, L. Drug Device Combination Products Delivery Technologies and Applications, pp. 230–245 2009</p>

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1	<p>Connective Tissue Graft May Compensate for Residual Bone Defect of the Implant in the Esthetic Zone: A Case Report with 7-year Follow-up</p> <p><i>Hyun-Chang Lim, Kitichai Janaphan, Thipphayaphan Sathitthammaphon, Phurin Hansakul, Borvornwut Buranawat</i></p> <p><u>Oral Sciences Reports</u> Volume 45, Issue 3, 2024, pp. 81-87</p>
2	<p>Horizontal Ridge Augmentation Using Sticky Bone with Platelet-Rich Fibrin (PRF) in Anterior Maxilla Clinical and Histologic Evidence: A Case Report</p> <p><i>Kitichai Janaphan, Borvornwut Buranawat, Jaruwat Hanroongsri, Sasatorn Ardsungnoen, Thipphayaphan Sathitthammaphon</i></p> <p><u>Oral Sciences Reports</u> Volume 45, Issue 2, 2024, pp. 72-78</p>