Asst.Prof. Dr. Panjaporn Wongwitthayakool

PRESENT APPOINTMENT	
Division	Oral Biology Faculty of Dentistry ThammasatUniversity
E-mail	panja_w@tu.ac.th
Phone Number	02-986-9213
Research profile	Research Dentistry TU > Scopus > Researcher ID > ORCID
Research Theme	
Areas of Research Expertise	Polymer rheology, Polymer processing and Polymer technology

Research funding

Proposal	funding	Amount	Year
Effect of rice husk silica on physical properties of thermosensitive chi-tosan/collagen hydrogel	Thammasat university	250,000	2021

Presentation of academic

Title	Presentation	funding	About	Year
Oycegel: Oyster Shell Desensitizing Tooth Nano Gel	Innovation	Dentistry Thammasat university	"Seoul International Invention Fair 2024" (SIIF 2024) ระหว่างวันที่ 27 – 30 พฤศจิกายน 2567 ณ กรุงโซล สาธารณรัฐเกาหลี (ได้รับรางวัล 1.เหรียญทองแดง 2.SPECIAL AWARD CERTIFICATE จาก Alkifah Academy Kingdom of Saudi Arabi 3.NRCT HONORABE MENTION AWARD จาก National Research Council of Thailand)	2024
Bio-Goldnano Acne Gel	Innovation	ทุนส่วนตัว	งาน "The 7th China (Shanghai) International Invention & Innovation Expo 2024" ภายใต้งานมหกรรมทางเทคโนโลยีนานาชาติของจีน "The 10th China (Shanghai) International Technology Fair" ที่จัดขึ้นระหว่างวันที่ 12 – 14 มิถุนายน 2567 ณ นครเซี่ยงไฮ้ สาธารณรัฐประชาชนจีน	2023
MDlight FINGER ROOT Moisturizing Spray)	Innovation	Dentistry Thammasat university	Seoul International Invention Fair 2023" (SIIF 2023) สถานที่จัดงาน COEX Korea Exhibition Center Seoul (South Korea) วันที่จัดงาน 1 – 4 พฤศจิกายน 2566 กรุงโซล สาธารณรัฐเกาหลี	2022

PUBLICATIONS

Scopus

1	**Effect of Repeated Autoclave on Hardness and Tensile Strength of Polypropylene/Natural Rubber Developed for Rubber Dam Clamp** Nonthiphalang, T., Phumpatrakom, P., Rangsantham, P., ... Sirisinha, C., Krajangta, N. Polymers, 17(2), 143 2025

2	**Comparison of Green-Synthesized Silver Nanoparticle Shampoo Created by Moringa and Bergamot Extraction Versus 2% Ketoconazole Shampoo for Scalp Seborrheic Dermatitis: A Prospective, Randomized, Double-Blinded, Controlled Trial** Limtanyakul, P., Smithrithee, R., Wongwitthayakool, P., ... Chottechathammanee, P., Wattanasirichaigoon, S. Dermatologic Therapy, 2025(1), 7166552 2025
3	**The Flexural Strength and the Effect of the Autoclave Sterilization of Polypropylene/Natural Rubber Blended Materials** Rangsantham, P., Nonthiphalang, T., Wongwitthayakool, P., ... Krajangta, N., Phumpatrakom, P. Dentistry Journal, 12(11), 361 2024
4	**α-Mangostin and lawsone methyl ether in tooth gel synergistically increase its antimicrobial and antibiofilm formation effects in vitro** Nittayananta, W., Wongwitthayakool, P., Srichana, T., ... Deebunjerd, T., Tachapiriyakun, J. BMC Oral Health, 23(1), 840 2023
5	**Effect of Aging Process on Physical Properties of Denture Lining Materials** Siripanth, J., Wongwitthayakool, P., Poommoon, A., ... Krajangta, N., Klaisiri, A. Journal of International Dental and Medical Research, 15(3), pp. 1095–1100 2022
6	**Flexural strength and dynamic mechanical behavior of rice husk ash silica filled acrylic resin denture base material** Wongwitthayakool, P., Sintunon, T., Tanagetanasombat, W., Soonthornchai, P., Abbas, A.A. Key Engineering Materials, 824 KEM, pp. 94–99 2019
7	**Flexural strength and viscoelastic properties of acrylic resin denture base material containing silver nanoparticle synthesized from fingerroot aqueous extract** Siripanth, J., Wongwitthayakool, P. Key Engineering Materials, 777 KEM, pp. 178–182 2018
8	**Thermal properties of acrylic resin denture base material containing silver nanoparticle synthesized from aqueous extract of boesenbergia rotunda** Wongwitthayakool, P., Pudla, M. Key Engineering Materials, 777 KEM, pp. 173–177 2018
9	**Properties of rice husk ash silica filled prevulcanized deproteinized natural rubber latex film** Wongwitthayakool, P., Yang, S.-G., Siripanth, J., Siriwong, C., Saowapark, T.

	Key Engineering Materials, 757 KEM, pp. 57–61 2017
10	**Enhancing properties of deproteinized natural rubber with rice husk ash silica for use as a dental material** Saowapark, T., Amphaiphan, U., Chaichana, E., Wongwitthayakool, P. Key Engineering Materials, 675-676, pp. 564–568 2016
11	**Prediction of heat build-up behaviour under high load by use of conventional viscoelastic results in carbon black filled hydrogenated nitrile rubber** Wongwitthayakool, P., Saeoui, P., Sirisinha, C. Plastics Rubber and Composites, 40(5), pp. 234–239 2011
12	**Cure and viscoelastic properties of HNBR** Wongwitthayakool, P., Sirisinha, C., Saeoui, P. KGK Kautschuk Gummi Kunststoffe, 63(11), pp. 506–512 2010
13	**Rheological properties of chlorinated polyethylene blended with low-cost grade natural rubber** Wongwitthayakool, P., Saeoui, P., Sirisinha, C. International Polymer Processing, 24(1), pp. 9–15 2009

TCI