

	Asst.Prof. Dr.Ekarat Hitakomate	
	PRESENT APPOINTMENT	
	Division	Oral Biology Faculty of Dentistry Thammasat University
	E-mail	ekarath@tu.ac.th
	Phone Number	02-986-9213
	Research profile	Research Dentistry TU > Scopus > Researcher ID > ORCID
	Research Theme	
	Areas of Research Expertise	Cell and Molecular Biology of Cancer Cell; Genetics of Cancer; Oral Cancer Cell

Research funding

Proposal	funding	Amount	Year
The effects of S-deoxydihydroglyparvin isolated from Glycosmic parva on tongue squamous cell carcinoma cells	Dentistry Thammasat University	300,000	2022

Presentation of academic

Title	Presentation	funding	About	Year
Dental Rice hydrogel: Strength enhancing bone scaffold from rice husk ash	innovation	Thammasat University	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	2024
Firm-Guard: Intelligent Nano-Hydrogel for Enhanced Dental Bone Grafting	innovation	ทุนส่วนตัว	Seoul International Invention Fair 2023" (SIIF 2023) สถานที่จัดงาน COEX Korea Exhibition Center Seoul (South Korea) วันที่ 1 – 4 พฤศจิกายน 2566 สาธารณรัฐเกาหลี	2023
The effect of the irreversible RSK inhibitor Fmk on the cisplatin-resistant tongue squamous cell	Poster presentation	Dentistry Thammasat University	The 4th Meeting of the International Association for Dental Research Asia-Pacific Region 2019” ณ เมือง บрисเบน ประเทศออสเตรเลีย วันที่ 28-30 พฤศจิกายน 2562	2019

PUBLICATIONS**Scopus**

1	<u>Formulation of 1% α-mangostin in orabase gel induces apoptosis in oral squamous cell carcinoma</u> Nittayananta, W., Srichana, T., Chuerduangphui, J., Hitakomate, E., Netsomboon, K. <u>BMC Complementary Medicine and Therapies</u> , 24(1), 276 2024
2	<u>Mucoadhesive film containing α-mangostin shows potential role in oral cancer treatment</u> Tangsuksan, P., Chuerduangphui, J., Takahashi Yupanqui, C., ... Ekalaksananan, T., Nittayananta, W.

	<u>BMC Oral Health</u> , 21(1), 512 2021
3	<u>Role of Tumor-Associated Macrophages on Cathepsin-B, Cathepsin-D, MMP-2, and MMP-9 in HSC-3 Oral Cancer Cells</u> <u>Pugdee, K., Wongpattaraworakul, W., Hitakomate, E.</u> <u>Journal of International Dental and Medical Research</u> , 14(1), pp. 156–162 2021
4	<u>Antitumor effects of fucoidan via apoptotic and autophagic induction on HSC-3 oral squamous cellcarcinoma</u> <u>Chantree, P., Surarak, T., Sangpairoj, K., Aguilar, P., Hitakomate, E.</u> <u>Asian Pacific Journal of Cancer Prevention</u> , 21(8), pp. 2469–2477 2020
5	<u>Genomic alteration in Head and Neck Squamous Cell Carcinoma (HNSCC) cell lines inferred from karyotyping, molecular cytogenetics, and array comparative genomic hybridization</u> <u>Singchat, W., Hitakomate, E., Rerkarmnuaychoke, B., ... Koontongkaew, S., Srikulnath, K.</u> <u>Plos One</u> , 11(8), e0160901 2016
6	<u>The methylated N-terminal tail of RCC1 is required for stabilisation of its interaction with chromatin by Ran in live cells</u> <u>Hitakomate, E., Hood, F.E., Sanderson, H.S., Clarke, P.R.</u> <u>BMC Cell Biology</u> , 11, 43 2010

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1	Development of thermosensitive chitosan/collagen hydrogel with antibacterial properties using biosynthesized silver nanoparticles from aqueous extract of fingerroot <i>Chanon Somjitkul, Ekarat Hitakomate, Chiravoot Pechyen, Panjaporn Wongwitthakakool</i> <u>Journal of Science and Technology Buriram Rajabhat University</u> Volume 8, Issue 2, 2024, pp. 21-40
2	Differential expression of Ran-binding protein 2 (RanBP2) and targeting protein for Xklp2 (TPX2) in head and neck squamous cell carcinoma cells <i>Ekarat Hitakomate, Sittichai Koontongkaew</i> <u>Genomics and Genetics</u> Volume 12, Issue 2-3, 2019, pp. 54-62