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ผลงานทางวิชาการ (ในรอบ 5 ปีย้อนหลัง)

งานวิจัย

ก. บทความวิจัยในวารสาร

1. Muangsawat S, Chaiyosang P, Sinkanarak P, Sukted J, Thanyasrisung P, **Matangkasombut O**. Effects of efflux pumps on antifungal activity of chitosan against *Candida albicans*. **J Oral Microbiol. May 2024**; 16(1):2357976. doi: 10.1080/20002297. 2024.2357976. **SCOPUS**
2. Chen JT, Tsai S, Chen MH, Pitiphat W, **Matangkasombut O**, Chiou JM, Han ML, Chen JH, Chen YC. Association between oral health and cognitive impairment in older adults: Insights from a Six-year prospective cohort study. **J Dent. May 2024**;147:105088. doi: 10.1016/j.jdent.2024.105088. **SCOPUS**
3. Sritangsirikul S, Kitsahawong K, **Matangkasombut O**, Seminario AL, Pitiphat W. A longitudinal study on the impact of breastfeeding with or without formula milk on dental caries. **Sci Rep. May 2024**;14(1):10384. doi: 10.1038/s41598-024-60582-w. **SCOPUS**
4. Lapnimitanun C, Wiriyaakijja P, **Matangkasombut O**, Komin O. Cross-cultural adaptation of the Thai Xerostomia Inventory and Summated Xerostomia Inventory. **Oral Dis. February 2024**. doi: 10.1111/odi.14891. **SCOPUS**
5. Khamdi S, **Matangkasombut O**, Lam-Ubol A. Non-pharmacologic interventions for management of radiation-induced dry mouth: A systematic review. **Oral Dis. November 2023**. doi: 10.1111/odi.14804. Online ahead of print. **SCOPUS**

6. Raksakmanut R, Thanyasrisung P, Sritangsirikul S, Kitsahawong K, Seminario AL, Pitiphat W, **Matangkasombut O**. Prediction of Future Caries in 1-Year-Old Children via the Salivary Microbiome. **J Dent Res.** June 2023;102(6):626-635. SCOPUS
7. Manphibool C, **Matangkasombut O**, Chantarangsu S, Chantarawatit PO. Effects of blue-light LED toothbrush on reducing dental plaque and gingival inflammation in orthodontic patients with fixed appliances: a crossover randomized controlled trial. **BMC Oral Health.** May 2023 15;23(1):293. doi: 10.1186/s12903-023-02977-1. SCOPUS
8. Thanyasrisung P, Satitviboon W, Howattanapanich S, **Matangkasombut O**. Antifungal drug resistance in oral Candida isolates from HIV-infected and healthy individuals and efficacy of chitosan as an alternative antifungal agent. **Arch Oral Biol.** March 2023;147:105628. doi: 10.1016/j.archoralbio.2023.105628. SCOPUS
9. Leerahakan P, **Matangkasombut O**, Tarapan S, Lam-Ubol A. Biofilm formation of Candida isolates from xerostomic post-radiotherapy head and neck cancer patients. **Arch Oral Biol.** October 2022;142:105495. doi: 10.1016/j.archoralbio.2022.105495. SCOPUS
10. Thienngern P, Panichuttra A, Ratisoontorn C, Aumnate C, **Matangkasombut O**. Efficacy of chitosan paste as intracanal medication against Enterococcus faecalis and Candida albicans biofilm compared with calcium hydroxide in an in vitro root canal infection model. **BMC Oral Health.** August 2022;22(1):354. doi: 10.1186/s12903-022-02385-x. SCOPUS
11. Arora JK, Opasawatchai A, Poonpanichakul T, Jiravejchakul N, Sungnak W; DENFREE Thailand, **Matangkasombut O**, Teichmann SA, Matangkasombut P, Charoensawan V. Single-cell temporal analysis of natural dengue infection reveals skin-homing lymphocyte expansion one day before defervescence. **iScience.** March 2022;25(4):104034. SCOPUS
12. Saengprasittichok N, Sucharitakul J, **Matangkasombut O**, Prapinjumrune C. Effect of fluocinolone acetonide (0.1%) treatment in oral lichen planus patients on salivary lactoferrin levels and Candida colonization: a prospective study. **BMC Oral Health.** March 2022;22(1):58. SCOPUS

13. Siripaiboonpong N, **Matangkasombut O**, Pengcharoen H, Boonchaiyapluk B, Rujiraprasert P, Srithanyarat SS. Microbiological Effects of Virgin Coconut Oil Pulling in Comparison with Palm Oil Pulling as an Adjunctive Oral Hygiene Care for Patients with Gingival Inflammation: A Randomized Controlled Clinical Trial. **J Indian Soc Periodontol. January – February 2022;26(1):58-63. SCOPUS**
14. Suparattanapong P, Chankanka O, **Matangkasombut O**, Govitvattana N. Dental caries and associated risk factors in 13- to 18-month-old infants receiving breast or formula milk feeding: A cross-sectional study. **Int J Paediatr Dent. September 2021. doi: 10.1111/ipd.12930 [Online ahead of print]. SCOPUS**
15. Srimaneepong V, Thanamee T, Wattanasirmkit K, Muangsawat S, **Matangkasombut O**. Efficacy of low-molecular weight chitosan against *Candida albicans* biofilm on polymethyl methacrylate resin. **Australian Dental Journal. September 2021;66(3):262-269 SCOPUS**
16. Denmongkholchai S, Tsuruda K, Sugai M, Mongkolsuk S, **Matangkasombut O**. Host chromatin regulators required for aggregatibacter actinomycetemcomitans cytolethal distending toxin activity in *Saccharomyces cerevisiae* model. **Infection and Immunity. July 2021;89(8): Article number e00036-21 SCOPUS**
17. Poonpanichakul T, Chan-In W, Opasawatchai A, Loison F, **Matangkasombut O**, Charoensawan V, Matangkasombut P; DENFREE Thailand. Innate Lymphoid Cells Activation and Transcriptomic Changes in Response to Human Dengue Infection. **Frontiers in Immunology. May 2021;12: Article number 599805 SCOPUS**
18. Lam-Ubol A, **Matangkasombut O**, Trachootham D, Tarapan S, Sattabanasuk V, Talungchit S, Paemuang W, Phonyiam T, Chokchaitam O, Mungkung OO. Efficacy of gel-based artificial saliva on *Candida* colonization and saliva properties in xerostomic post-radiotherapy head and neck cancer patients: a randomized controlled trial. **Clinical Oral Investigations. April 2021;25(4): 1815–1827 SCOPUS**

19. Buranarom N, Komin O, **Matangkasombut O**. Hyposalivation, oral health, and Candida colonization in independent dentate elders. **PLoS ONE. November 2020**;15(11) Article number e0242832 **SCOPUS**
20. Supotngarmkul A, Panichuttra A, Ratisoontorn C, Nawachinda M, **Matangkasombut O**. Antibacterial property of chitosan against e. Faecalis standard strain and clinical isolates. **Dental Materials Journal. June 2020**;39(3):456-463. **SCOPUS**
21. Opasawatchai A, Yolwong W, Thuncharoen W, Inrueangsri N, Itsaradisakul S, Sasisakulporn C, Jotikasthira W, **Matangkasombut O**, Reamtong O, Manuyakorn W, Songnuan W, Matangkasombut P. Novel salivary gland allergens from tropical mosquito species and IgE reactivity in allergic patients. **World Allergy Organ J. February 2020**;13(2):100099. **SCOPUS**
22. Namangkalakul W, Benjavongkulchai S, Pochana T, Promchai A, Satitviboon W, Howattanapanich S, Phuprasong R, Ungvijanpunya N, Supakanjanakanti D, Chaitrakoonthong T, Muangsawat S, Thanyasrisung P, **Matangkasombut O**. Activity of chitosan antifungal denture adhesive against common Candida species and Candida albicans adherence on denture base acrylic resin. *J Prosthet Dent.* **January 2020**;123(1): 181.e1-181.e7. **SCOPUS**

**ข. รายงานการประชุมฉบับสมบูรณ์ (ที่มี peer review)**

1. Manphibool C, **Matangkasombut O**, Chantarawatit P. The Effect of Light Emitting Diode Toothbrush on Streptococcus mutans Biofilm *In Vitro*. RSU International Research Conference 2021. BKK, Thailand. **30 April 2021**;194-199.
2. Yuapibanrak P, **Matangkasombut O**, Thanyasrisung P. Effect of Sucrose on The Acid Production and Biofilm Formation of *Streptococcus mitis*. RSU National Research Conference 2021. BKK, Thailand. **30 April 2021**; 199-206.

**ค. รายงานการวิจัยฉบับสมบูรณ์ (ที่มี peer review)**

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ง. บทความวิจัยใน Monograph, Book Series

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ตำรา

ไม่มี

หนังสือ

ไม่มี

บทความทางวิชาการ (Review Article)

1. Homchan A, Sukted J, **Matangkasombut O**, Pakotiprapha D. Emerging roles of Wss1 in the survival of *Candida albicans* under genotoxic stresses. **Current Genetics**. February 2021;67(1):99-105 SCOPUS

ผลงานทางวิชาการในลักษณะอื่นๆ (ตามนิยามที่ ก.พ.อ. กำหนด)

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ผลงานทางวิชาการรับใช้สังคม (ตามนิยามที่ ก.พ.อ. กำหนด)

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