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ผลงานทางวิชาการ

งานวิจัย

ก. บทความวิจัยในวารสาร

1. Wongsamart, R.; Bhattarakasol, P.; Chaiwongkot, A.; Wongsawaeng, D.; Okada, P.A.; Palaga, T.; Leelahavanichkul, A.; Khovidhunkit, W.; Dean, D.; **Somboonna, N.** “Multiplex recombinase polymerase amplification for high-risk and low-risk type HPV detection, as potential local use in single tube.” *Scientific Reports* 13, 1 (December 2023): Article number 829. **SCOPUS**

2. Dityen, K.; Soonthornchai, W.; Kueanjinda, P.; Kullapanich, C.; Tunsakul, N.; **Somboonna, N.**; Wongpiyabovorn, J. “Analysis of cutaneous bacterial microbiota of Thai patients with seborrheic dermatitis.” *Experimental Dermatology* 31, 12 (December 2022): 1949-1955. **SCOPUS**

3. Supabowornsathit, K.; Faikhruea, K.; Ditmangklo, B.; Jaroenchuensiri, T.; Wongsuwan, S.; Junpra-ob, S.; Choopara, I.; Palaga, T.; Aonbangkhen, C.; **Somboonna, N.**; Taechalertpaisarn, J.; Vilaivan, T. “Dicationic styryl dyes for colorimetric and fluorescent detection of nucleic acids.” *Scientific Reports* 12, 1 (December 2022): Article number 14250. **SCOPUS**

4. Thoraneenitiyan, N.; Choopara, I.; Nuanualsuwan, S.; Kokpol, S.; **Somboonna, N.** “Rapid visual *Candidatus Liberibacter asiaticus* detection (citrus greening disease) using simple alkaline heat DNA lysis followed by loop-mediated isothermal amplification coupled hydroxynaphthol blue (AL-LAMP-HNB) for potential local use.” *PLoS ONE* 17, 10 October (October 2022): Article number e0276740. **SCOPUS**

5. Sirotamarat, P.; Hinjoy, S.; Chuxnum, T.; Wongkumma, A.; **Somboonna, N.**; Nuanualsuwan, S. “Quantitative risk assessment of staphylococcal enterotoxin A (SEA) in pork in metropolitan Bangkok, Thailand.” *LWT* 168, (1 October 2022): Article number 113942. **SCOPUS**

6. Binmama, S.; Dang, C.P.; Visitchanakun, P.; Hiengrach, P.; **Somboonna, N.**; Cheibchalard, T.; Pisitkun, P.; Chindamporn, A.; Leelahavanichkul, A. "Beta-Glucan from *S. cerevisiae* Protected AOM-Induced Colon Cancer in cGAS-Deficient Mice Partly through Dectin-1-Manipulated Macrophage Cell Energy." *International Journal of Molecular Sciences* 23, 18 (September 2022): Article number 10951. **SCOPUS**
7. Panpetch W.; Phuengmaung P.; Hiengrach P.; Issara-Amphorn J.; Cheibchalard T.; **Somboonna N.**; Tumwasorn S.; Leelahavanichkul, A. "Candida Worsens Klebsiella pneumoniae Induced-Sepsis in a Mouse Model with Low Dose Dextran Sulfate Solution through Gut Dysbiosis and Enhanced Inflammation." *International Journal of Molecular Sciences* 23, 13 (1 July 2022): Article number 7050. **SCOPUS**
8. Ruchusatsawat, K.; Nuengjamnong, C.; Tawatsin, A.; Thiemsing, L.; Kawidam, C.; **Somboonna, N.**; Nuanualsuwan, S. "Quantitative Risk Assessments of Hepatitis A Virus and Hepatitis E Virus from Raw Oyster Consumption." *Risk Analysis* 42, 5 (May 2022): 953-965. **SCOPUS**
9. Tungsanga S.; Panpetch W.; Bhunyakarnjanarat T.; Udompornpitak K.; Katavetin P.; Chanchaoenthana W.; Chatthanathon P.; **Somboonna N.**; Tungsanga K.; Tumwasorn S.; Leelahavanichkul, A. "Uremia-Induced Gut Barrier Defect in 5/6 Nephrectomized Mice Is Worsened by Candida Administration through a Synergy of Uremic Toxin, Lipopolysaccharide, and (1à3)- β -D- Glucan, but Is Attenuated by Lactocaseibacillus rhamnosus L34." *International Journal of Molecular Sciences* 23, 5 (March-1 2022): Article number 2511. **SCOPUS**
10. Chavanich, S.; Kusdianto, H.; Kullapanich, C.; Jandang, S.; Wongsawaeng, D.; Ouazzani, J.; Viyakarn, V.; **Somboonna, N.** "Microbiomes of Healthy and Bleached Corals During a 2016 Thermal Bleaching Event in the Andaman Sea of Thailand." *Frontiers in Marine Science* 9, (21 February 2022): Article number 763421. **SCOPUS**
11. Faikhruea, K.; Choopara, I.; **Somboonna, N.**; Assavalapsakul, W.; Kim, B.H.; Vilaivan, T. "Enhancing Peptide Nucleic Acid-Nanomaterial Interaction and Performance Improvement of Peptide Nucleic Acid-Based Nucleic Acid Detection by Using Electrostatic Effects." *ACS Applied Bio Materials* 5, 2 (21 February 2022): 789-800. **SCOPUS**
12. Kaewduangduen W.; Visitchanakun P.; Saisorn W.; Phawadee A.; Manonitnantawat C.; Chutimaskul C.; Susantitaphong P.; Ritprajak P.; **Somboonna N.**; Cheibchalard T.; Wannigama D.L.; Kueanjinda P. "Blood Bacteria-Free DNA in Septic Mice Enhances LPS-Induced Inflammation in Mice through Macrophage Response." *International Journal of Molecular Sciences* 23, 3 (1 February 2022): Article number 1907. **SCOPUS**
13. Jandang, S.; Bulan, D.E.; Chavanich, S.; (...); Aiemsomboon, K.; **Somboonna, N.** "First Report of Potential Coral Disease in the Coral Hatchery of Thailand." *Diversity* 14, 1 (January 2022): Article number 18. **SCOPUS**

14. Ondee, T.; Pongpirul, K.; Janchot, K.; (...); **Somboonna N.**; Ngamwongsatit, N.; Leelahavanichkul, A. “Lactiplantibacillus plantarum dfa1 outperforms enterococcus faecium dfa1 on anti-obesity in high fat-induced obesity mice possibly through the differences in gut dysbiosis attenuation, despite the similar anti-inflammatory properties.” *Nutrients* 14, 1 (January-1 2022): Article number 80. **SCOPUS**

15. Panpetch, W.; Visitchanakun, P.; Saisorn, W.; (...); **Somboonna N.**; Tumwasorn, S.; Leelahavanichkul, A. “Lactobacillus rhamnosus attenuates Thai chili extracts induced gut inflammation and dysbiosis despite capsaicin bactericidal effect against the probiotics, a possible toxicity of high dose capsaicin.” *PLoS ONE* 16, 12 (December 2021): Article number e0261189. **SCOPUS**

16. Panpetch, W.; Phuengmaung, P.; Cheibchalard, T.; **Somboonna N.**; Leelahavanichkul, A.; Tumwasorn, S. “Lactocaseibacillus casei Strain T21 Attenuates Clostridioides difficile Infection in a Murine Model Through Reduction of Inflammation and Gut Dysbiosis With Decreased Toxin Lethality and Enhanced Mucin Production.” *Frontiers in Microbiology* 12 (1 December 2021): Article number 745299. **SCOPUS**

17. Kullapanich, C.; Jandang, S.; Palasuk, M.; (...); Chavanich, S.; **Somboonna, N.** “First dynamics of bacterial community during development of Acropora humilis larvae in aquaculture.” *Scientific Reports* 11, 1 (December 2021): Article number 11762. **SCOPUS**

18. Ondee, T.; Pongpirul, K.; Visitchanakun, P.; (...); **Somboonna, N.**; Leelahavanichkul, A. “Lactobacillus acidophilus LA5 improves saturated fat-induced obesity mouse model through the enhanced intestinal Akkermansia muciniphila.” *Scientific Reports* 11, 1 (December 2021): Article number 6367. **SCOPUS**

19. Wongsaroj, L.; Chanabun, R.; Tunsakul, N.; (...); Panha, S.; **Somboonna, N.** “First reported quantitative microbiota in different livestock manures used as organic fertilizers in the Northeast of Thailand.” *Scientific Reports* 11, 1 (December 2021): Article number 102. **SCOPUS**

20. Kusdianto, H.; Kullapanich, C.; Palasuk, M.; (...); Viyakarn, V.; **Somboonna, N.** “Microbiomes of Healthy and Bleached Corals During a 2016 Thermal Bleaching Event in the Upper Gulf of Thailand.” *Frontiers in Marine Science* 8 (28 June 2021): Article number 643962. **SCOPUS**

21. Visitchanakun, P.; Panpetch, W.; Saisorn, W.; (...); **Somboonna, N.**; Leelahavanichkul, A. “Increased susceptibility to dextran sulfate-induced mucositis of iron-overload β -thalassemia mice, another endogenous cause of septicemia in thalassemia.” *Clinical Science* 135, 12 (June 2021): 1467 – 1486. **SCOPUS**

22. Bommana, S.; **Somboonna, N.**; Richards, G.; Tarazkar, M.; Dean, D. “Tryptophan operon diversity reveals evolutionary trends among geographically disparate chlamydia trachomatis ocular and urogenital strains affecting tryptophan repressor and synthase function.” *mBio* 12, 3 (May-June 2021): Article number e00605-21. **SCOPUS**

23. Suea-Ngam, A.; Choopara, I.; Li, S.; Somboonna N.; Howes, P.D.; deMello, A.J. “In Situ Nucleic Acid Amplification and Ultrasensitive Colorimetric Readout in a Paper-Based Analytical Device Using Silver Nanoplates.” *Advanced Healthcare Materials* 10, 7 (April 7, 2021): Article number 2001755. **SCOPUS**

24. Choopara, I.; Suea-Ngam, A.; Teethaisong, Y.; (...); Dean, D.; **Somboonna, N.** “Fluorometric Paper-Based, Loop-Mediated Isothermal Amplification Devices for Quantitative Point-of-Care Detection of Methicillin-Resistant Staphylococcus aureus (MRSA).” *ACS Sensors* 6, 3 (26 March 2021): 742 – 751. **SCOPUS**

25. Choopara, I.; Teethaisong, Y.; Arunrut, N.; (...); Kiatpathomchai, W.; **Somboonna, N.** “Specific and sensitive, ready-To-use universal fungi detection by visual color using ITS1 loop-mediated isothermal amplification combined hydroxynaphthol blue.” *PeerJ* 9 (18 March 2021): Article number 11082. **SCOPUS**

26. Sripan, D.; Wilantho, A.; Khitmoh, K.; (...); Tongsim, S.; **Somboonna, N.** “Marine Bacteria Community in a 150-m Depth Tachai Island, the Southeast Andaman Sea of Thailand” *Frontiers in Marine Science* 8 (19 February 2021): Article number 624624. **SCOPUS**

27. Panpetch, W.; Kullapanich, C.; Dang, C.P.; (...); Somboonna N.; Tumwasorn, S.; Leelahavanichkul, A. “Candida administration worsens uremia-induced gut leakage in bilateral nephrectomy mice, an impact of gut fungi and organismal molecules in Uremia.” *mSystems* 6, 1 (12 January 2021): Article number e01187. **SCOPUS**

28. Ruchusatsawat, K.; Nuengjamnong, C.; Tawatsin, A.; (...); **Somboonna, N.**; Nuanalsuwan, S. “Quantitative Risk Assessments of Hepatitis A Virus and Hepatitis E Virus from Raw Oyster Consumption.” *Risk Analysis* (2021). **SCOPUS**

ข. รายงานการประชุมฉบับสมบูรณ์ (ที่มี peer review)

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ค. รายงานการวิจัยฉบับสมบูรณ์ (ที่มี peer review)

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