

AJAREE RAYANAKORN

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SUMMARY

I am a lecturer in the Department of Pharmacology, Faculty of Medicine, Chiang Mai University, Thailand. I hold a Bachelor's degree in Pharmacy, a Master of Public Health, and a PhD in Epidemiology. I also have extensive experience in the pharmaceutical industry, along with research expertise in infectious diseases—particularly HIV/AIDS and *Streptococcus suis*—as well as evidence synthesis, pharmacoepidemiology, and health economics and outcomes research. Since 2016, I have published 22 manuscripts, 14 of which I authored as the first or corresponding author.

EDUCATION

Doctor of Philosophy in Epidemiology, June 2020

Jeffrey Cheah School of Medicine and Health Sciences, Monash University

PhD Thesis Title: Mortality and outcomes of *Streptococcus suis* infection and economic burden in Thailand

Date of the thesis defense: 5 February 2020 | **Thesis submission date:** 17 March 2020

Master of Public Health (Tropical Health), December 2010 (Distinction)

School of Population Health, the University of Queensland

Bachelor of Pharmacy, February 2008.

Faculty of Pharmacy, Chiang Mai University

PROFESSIONAL EXPERIENCES

Visiting Researcher (Jan-April 2026)

Department of Pediatrics, Nara Prefecture General Medical Center **Nara, Japan**

Assistant Professor (November 2023-present)

**Department of Pharmacology, Faculty of Medicine
Chiang Mai University** **Chiang Mai, Thailand**

Assistant Professor (September 2022-October 2023)

Faculty of Public Health, Chiang Mai University **Chiang Mai, Thailand**

Lecturer (June 2020-August 2022)

Faculty of Public Health, Chiang Mai University **Chiang Mai, Thailand**

Adjunct lecturer (July 2021-June 2023)

School of Pharmacy, Monash University Malaysia **Selangor, Malaysia**

Visiting PhD Candidate under the Vice Chancellor's Inter Campus PhD Travel Grant, 1-31 October 2019

School of Public Health and Preventive Medicine, Monash University **Melbourne, Australia**

Project: Burden of disease and productivity impact of *Streptococcus suis* infection in Thailand, supervised by Professor Danny Liew and Professor Zanfina Ademi

PhD Candidate (**September 2017-June 2020**)

Jeffrey Cheah School of Medicine and Health Sciences, Monash University Selangor, Malaysia

Medical Affairs Manager, Oncology (**June 2016-August 2017**)

Merck (Thailand), Ltd

Bangkok, Thailand

Responsibilities:

- Responsible for specific Therapeutic Area, providing medical/expertise, scientific support to Commercial, interact with the relevant stakeholders, implementation of the local Clinical Program.
- Provide healthcare professionals and decision makers accurate, unbiased, balanced, and timely answers to requests for information about pharmaceutical products.
- Lead the Medical Strategy, drive the Local Clinical Plan facilitate the submission of IST, publications and assist in site selection for CR&D clinical projects.
- Proponent/approver for the CLEAR approval process for medical initiatives.

Medical Science Liaison, Transplantation (**July 2014-Jan 2016**)

Novartis (Thailand), Ltd

Bangkok, Thailand

Responsibilities:

- Identify and develop relationships with medical experts (MEs) by engaging in ongoing scientific and balanced discussion.
- Collects medical insights and intelligence gathered from scientific exchange with MEs and interprets and communicates relevant information in order to define, update, and support medical strategies.
- Address unsolicited requests for medical information from health care professionals including on- and off-label uses of company products and respond to relevant external customers with written and verbal communications, in accordance with the Medical Information process.
- Implement key medical activities e.g., advisory boards, speaking training, medical booth and session coverage at scientific meetings.
- Scientific research support to smoothly conduct IITs (Investigator Initiated Trials) and Phase IV studies.

Medical Affairs Manager (**July 2013-June 2014**)

MSD (Thailand), Ltd

Bangkok, Thailand

Responsibilities:

- Identify local unmet medical/scientific needs and/or clinical studies opportunities.
- Evaluate and discuss study concepts and proposals, present and discuss IISP Area of Interest (AoI).
- Communicate and follow-up adequately with Medical Advisors, Marketing and RDMA regarding local and IISP studies, managing the relationship with investigators.
- Co-develop full protocol of LCE, PMS or RMS with Medical Advisors and global team.

Key Achievements: Successfully co-developed clinical study protocol of LCE (Phase IV study) in Genital Warts Epidemiology Study in Thailand, developed and revised country SOPs for non-interventional study, was primary contact for a multi-country IIS between investigators, sponsor, and head quarter team with successfully drug supplies shipments delivered in 4 countries (Thailand, Vietnam, Malaysia and Indonesia).

Senior Medical Information Associate (Snr MIA) (**August 2012- June 2013**)

Pfizer (Thailand), Ltd

Bangkok, Thailand

Responsibilities:

- Provide accurate, consistent, timely and balanced responses to written and oral medical information communication enquiries from internal and external customers.
- Establishes standard or customized response documents responding to medical information enquiries.
- Reviews and approves MI response documents generated by other MI colleagues when appropriate.
- Leads or participates in global MI projects or regional collaborative teams, providing valuable insights to global strategies.
- Conduct training sessions for new hires and also refresher trainings for current staff.

Key Achievements: Facilitated country medical affairs audit with no major/minor findings in medical information process.

Clinical Research Associate (CRA) and Regulatory & Site Start-Up Specialist (RSU)

(January 2011 –August 2012), (May 2008- December 2009)

Quintiles (Thailand) Co., Ltd. (IQVIA)

Bangkok, Thailand

Responsibilities:

- Submissions to ethic committees, work with regulatory, legal team members, Clinical Operations, Project Management or sponsor to secure authorization of regulatory documents, contracts, and project deliverables.
- Study site initiation visit, monitoring visit, source data verification (SDV) and query resolution
- Review and negotiate site regulatory documents and contracts with sites and sponsors.

Key Achievements: Obtained special achievement award for a high percentage of SDV, worked with site and investigator to pass Quintiles internal audit with no critical finding.

Pharmacy Internship

Curtin University of Technology (April – May 2007)

Perth, Australia

- Principal subjects/occupational skills covered: Pharmaceutical courses attendance and survey of public health services at the Royal Perth Hospital and pharmacies.

SKILLS

TOEFL iBT: 92/120 (equivalent to 580 Paper-based test), TOEIC: 845/990, IELTS: 7.0, Japanese (Beginner) Proficient in REDCap, IMPACT Polaris, InForm, STATA, Qualtrics; Competent in R studio, NGENE

HONORS AND AWARDS

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|------|---|
| 2025 | Selected as one of the four country representatives to participate in the 16 th HOPE meeting with Nobel Laurates, March 9-13 2025, Yokohama, Kanagawa, Japan |
| 2023 | Conference Traveling Grant from Virology Education to attend and present research abstract at Asia-Pacific AIDS & Co-Infections Conference (APACC) 2023, 2023 June 6-10; Singapore. |
| 2021 | Selected participant in the Global Health Fellowship Program (GHFP) 2021, the International Health Policy Program (IHPP), Thailand |
| 2020 | The 2019-2020 ISPOR Student Chapter Award for Outstanding LMIC Chapter |
| 2019 | Monash Graduate Research Student's Best Publication Award 2019 (Global Public Health) |
| 2019 | The Session's Best Presenter: Health Services Management, the 5 th International Conference of Public Health (ICOPH 2019), July 10-12 2019; Kuala Lumpur. |
| 2019 | The Vice Chancellor's Inter Campus PhD Travel Grant to be visiting PhD Candidate at School of Public Health and Preventive Medicine, Monash University, Melbourne |

- 2019 Conference Traveling Grant from the International Society for Pharmacoepidemiology (ISPE) to attend and present research abstract at 2019 ISPE Mid-Year Meeting, 2019 April 6-9; Rome.
- 2017 Monash Merit Scholarship for PhD study at Monash University Malaysia
- 2016 Excellence Team Award, Innovation Category, Project name: STEP change BUILD by Medical Affairs, Novartis (Thailand), Ltd.
- 2015 Novartis Star Award, Q2 2015 (Value & Behaviour: Collaboration)
- 2011 Special Achievement Award for a high percentage of SDV, Quintiles
- 2010 International Student Ambassador, the University of Queensland
- 2009 UQ-Thailand Scholarship 2009, sponsored by the University of Queensland
- 2004 Grade 7 Solo Piano Certificate, Trinity College London
- 2003 Selected participant in Stanford-Thai Exchange Program at Stanford University, CA
- 2002 Distinguished Academic Service Student at the Prince Royal's College
- 2002 Champion in the Inter-School English Speaking Quiz at the Prince Royal's College
- 2001 Selected participant in the 2nd Round of Chemistry Olympiad Camp, Northern Region, Thailand

PROFESSIONAL MEMBERSHIP

- The Thai Pharmacy Council
- Alumni Association, Faculty of Pharmacy, Chiang Mai University
- Alumni Association, School of Public Health, the University of Queensland
- The Monash Alumni Community
- The Professional Society for Health Economics and Outcomes Research (ISPOR)
- ISPOR Student Chapter, Monash University Malaysia (Chapter President February 2019-March 2020)

PEER REVIEWED PUBLICATIONS

- Saokaew S, **Rayanakorn A**, Wu DB, Chaiyakunapruk N, Cost Effectiveness of Pneumococcal Vaccination in Children in Low- and Middle-Income Countries: A Systematic Review. *PharmacoEconomics*. 2016 Dec;34(12):1211-25. doi:[10.1007/s40273-016-0439-3](https://doi.org/10.1007/s40273-016-0439-3) (Web of Science, Quartile 1, IF 4.579, 64 citations)
- **Rayanakorn A**, Goh BH, Lee L-H, Khan TM, Saokaew S, Risk factors for *Streptococcus suis* infection: A systematic review and meta-analysis. *Sci Rep*. 2018;8(1):13358-. doi: [10.1038/s41598-018-31598-w](https://doi.org/10.1038/s41598-018-31598-w) (Web of Science, Quartile 1, IF 4.997, 117 citations)
- **Rayanakorn A**, Katip W, Lee L-H, Oberdorfer P. Endophthalmitis with bilateral deafness from disseminated *Streptococcus suis* infection. *BMJ Case Rep*. 2019 Feb 26;12(2). doi: [10.1136/bcr-2018-228501](https://doi.org/10.1136/bcr-2018-228501) (23 citations)
- **Rayanakorn A**, Katip W, Goh BH, Oberdorfer P, Lee L-H. Clinical manifestations and risk factors of *Streptococcus suis* mortality among northern Thai population: retrospective 13-year cohort study. *Infection and Drug Resistance* 2019;12:3955-65. Epub 30 December 2019. doi: <https://doi.org/10.2147/IDR.S233326> (Web of Science, Quartile 2, IF 4.177, 38 citations)
- **Rayanakorn A**, Katip W, Goh BH, Oberdorfer P, Lee L-H. A risk scoring system for predicting *Streptococcus suis* hearing loss: A 13-year retrospective cohort study. *PLoS One*. 2020;15(2):e0228488. <https://doi.org/10.1371/journal.pone.0228488> (Web of Science, Quartile 2, IF 3.752, 18 citations)
- **Rayanakorn A**, Ser H-L, Pusparajah P, Chan K-G, Goh BH, et al. Comparative efficacy of antibiotic(s) alone or in combination of corticosteroids in adults with acute bacterial meningitis: A systematic review and network meta-analysis. *PLoS One*. 2020;15(5):e0232947. doi: [10.1371/journal.pone.0232947](https://doi.org/10.1371/journal.pone.0232947). (Web of Science, Quartile 2, IF 3.752, 17 citations)
- **Rayanakorn A**, Ademi Z, Liew D, Lee LH. Burden of disease and productivity impact of *Streptococcus suis* infection in Thailand. *PLoS Negl Trop Dis*. 2021 Jan 22;15(1):e0008985. doi: <https://doi.org/10.1371/journal.pntd.0008985> (Web of Science, Quartile 1, IF 4.781, 29 citations)

- **Rayanakorn A**, Ong-artborirak P, Ademi Z, Chariyalertsak S, Predictors of stigma and health-related quality of life among people living with HIV in northern Thailand. *AIDS Patient Care and STDs*. 2022;36(5):186-93. doi: <https://doi.org/10.1089/apc.2022.0035>. (Web of Science, Quartile 1, IF 5.944, 18 citations)
- **Rayanakorn A**, Chautrakarn S, Intawong K, Chariyalertsak C, Khemngern P, et al. A Comparison of Attitudes and Knowledge of pre-exposure prophylaxis (PrEP) between hospital and Key Population Led Health Service providers: Lessons for Thailand's Universal Health Coverage implementation. *PLoS One*. 2022 17(5): e0268407. <https://doi.org/10.1371/journal.pone.0268407> (Web of Science, Quartile 2, IF 3.752, 30 citation)
- **Rayanakorn A**, Lian SL, Chaiprom P, Lee SWH, Cost-effectiveness of public health strategies on COVID-19 control: A systematic review. *Progress In Microbes & Molecular Biology* 2022;5(1):1-26. doi: <https://doi.org/10.36877/pmmb.a0000268> (24 citations)
- Chautrakarn S, **Rayanakorn A**, Intawong K, Chariyalertsak C, Khemngern P, et al. PrEP stigma among current and non-current PrEP users in Thailand: A comparison between hospital and key population-led health service settings. *Front. Public Health* 2022;10:1019553. doi: <https://doi.org/10.3389/fpubh.2022.1019553> (Web of Science, Quartile 1, IF 5.2, 13 citations)
- **Rayanakorn A**, Katip W, Zanfina A, Chan K-G. Treatment Costs for Patients with *Streptococcus suis* Infection in Northern Thailand: A Hospital-based Observational Study of 14-year Data. *BMC Public Health* 23, 737 2023. doi: <https://doi.org/10.1186/s12889-023-15623-w> (Web of Science, Quartile 1, IF 4.545, 2 citation)
- Katip W, **Rayanakorn A**, Oberdorfer P, Taruangsri P, Teerapong N. Short versus long course of colistin treatment for carbapenem-resistant *A. baumannii* in critically ill patients: A propensity score matching study. *J Infect. Public Health* 2023; 16(8):1249-1255. doi: [10.1016/j.jiph.2023.05.024](https://doi.org/10.1016/j.jiph.2023.05.024) (Web of Science, Quartile 1, IF 7.537, 47 citations)
- Katip W, **Rayanakorn A**, Oberdorfer P, Taruangsri P, Teerapong N, et al. Comparative Effectiveness and Mortality of Colistin Monotherapy versus Colistin-Fosfomycin Combination Therapy for the Treatment of Carbapenem-Resistant Enterobacteriaceae (CRE) Infections: A Propensity Score Analysis. *J Infect. Public Health* 2024/03/12/ 2024. doi: <https://doi.org/10.1016/j.jiph.2024.03.010> (Web of Science, Quartile 1, IF 7.537, 27 citations)
- Katip W, **Rayanakorn A**, Sornsuvit C, Wientong P, Oberdorfer P, et al. High-Loading-Dose Colistin with Nebulized Administration for Carbapenem-Resistant *Acinetobacter baumannii* Pneumonia in Critically Ill Patients: A Retrospective Cohort Study. *Antibiotics (Basel)*. 2024 Mar 21;13(3):287. doi: [10.3390/antibiotics13030287](https://doi.org/10.3390/antibiotics13030287) (Web of Science, Quartile 1, IF 4.8, 15 citations)
- Chaiyakunapruk N, Lee SWH, Kulchaitanaroaj P, **Rayanakorn A**, Lee H, et al. Estimated Global and Regional Economic Burden of Genital Herpes Simplex Virus Infection among 15-49 year-olds in 2016. *BMC Global and Public Health*. 2024 Mar 11. doi: <https://doi.org/10.1186/s44263-024-00053-6> (3 citations)
- **Rayanakorn A**, Chautrakarn S, Intawong K, Chariyalertsak C, Khemngern P, et al. Experiences and challenges of pre-exposure prophylaxis initiation and retention among high-risk populations: qualitative insights among service providers in Thailand. *Frontiers in Public Health*. 2024-May-15 2024;12. doi: <https://doi.org/10.3389/fpubh.2024.1366754> (Web of Science, Quartile 1, IF 5.2) (3 citations)
- Katip W, Lee SWH, Kasatpibal N, **Rayanakorn A***. Systematic review and meta-analysis of vancomycin therapeutic level for treatment of vancomycin-sensitive enterococcal infections. *Br J Clin Pharmacol*. 2024; 1-13. doi:[10.1111/bcp.16362](https://doi.org/10.1111/bcp.16362) (Web of Science, Quartile 2, IF 3.1) (3 citations)
- **Rayanakorn A**, Apisitwittaya, P, Lee, SWH, Yaja, K et al. The effects of kratom (*Mitragyna speciosa*) on metabolic syndrome-related parameters: a systematic review and meta-analysis. *Front. Pharmacol*. 2025; 16 <https://doi.org/10.3389/fphar.2025.1587528> (Web of Science, Quartile 1, IF 4.8, 2 citations)
- **Rayanakorn A**, Dilokthornsakul P, Pongnikorn D, Ong JJ, Tieosapjaroen W. Preferences for Pre-exposure Prophylaxis (PrEP) among people who use drugs in Thailand: A discrete choice experiment. *International Journal of Drug Policy*. 2025/09/01/ 2025;143:104913. <https://doi.org/10.1016/j.drugpo.2025.104913> (Web of Science, Quartile 1, IF 4.4)

- Yeerong K, Ampasavate C, **Rayanakorn A**, Chuamanochan M, Tovanabutra N et al. Skin evaluation of turmeric/epigallocatechin-3-gallate emulgel for skin irritation and sensitisation effects in healthy Thai participants (TULIP): a protocol for a randomised, double-blind, placebo-controlled trial *BMJ Open* 2025;15:e103571. doi: [10.1136/bmjopen-2025-103571](https://doi.org/10.1136/bmjopen-2025-103571) (Web of Science, Quartile 2, IF 2.8, 1 citation)
- Katip W, **Rayanakorn A**, Taruangsri P, Nampuan T. Risk Factors for Mortality in Patients Treated with Colistin Monotherapy for Carbapenem-Resistant *Acinetobacter baumannii* Infections. *Infect Dis Clin Microbiol.* 2025 Sep 25;7(3):254-262. doi: [10.36519/idcm.2025.608](https://doi.org/10.36519/idcm.2025.608) (IF 0.5, 2 citation)

SELECTED INTERNATIONAL CONFERENCE PRESENTATIONS

- **Rayanakorn A**, Ser H-L, Pusparajah P, Goh BH, Khan TM, et al. A Network meta-analysis of randomized controlled trials for acute bacterial meningitis in adult population. Presented at the International Conference of Pharmacoepidemiology, Mid-Year Meeting 2019, 2019 April 6-9; Rome. Abstract 13. P.23-24
- **Rayanakorn A**, Katip W, Goh BH, Oberdorfer P, Lee L-H, Prediction score for *Streptococcus suis* hearing loss: a neglected disease in need of increased public health awareness. Presented at the 5th International Conference of Public Health, 2019 July 10-12; Kuala Lumpur. Abstract no. 392, P.70 (Awarded the Session's Best Presenter: Health Services Management)
- **Rayanakorn A**, Z Ademi, D Liew, Learn-Han Lee. Estimating the lifetime economic burden of *Streptococcus suis* and its productivity impact in Thailand. *Value in Health.* 2020;23;S179. doi: <https://doi.org/10.1016/j.jval.2020.04.530>. (Web of Science, Quartile 1, IF 5.156)
- **Rayanakorn A**, Lian LS, Chaiprom P, Lee SWH, Economic Evaluations of Public Health Interventions on COVID-19: A Systematic Review. Abstract being presented at the ISPOR 2022, 2022 May 15-18; Washington, D.C., USA. Abstract no. HPR62. doi: <https://doi.org/10.1016/j.jval.2022.04.988>
- Chaiyakunapruk N, Lee SWH, Kulchaitanaroaj P, **Rayanakorn A**, Looker K, et al. Global and Regional Economic Burden of Herpes Simplex Virus Infection. Abstract being presented at the ISPOR 2022, 2022 May 15-18; Washington, D.C., USA. Abstract no. EE184. doi: [10.1016/j.jval.2022.04.433](https://doi.org/10.1016/j.jval.2022.04.433)
- **Rayanakorn A**, Katip W, Zanfina A, Chan K-G, Economic Burden Associated with *Streptococcus suis* infection Treatment in Northern Thailand: A Hospital-based Observational Study. Abstract being presented at the ISPOR Europe 2022, 2022 November 6-9; Vienna, Austria. Abstract no. RWD146. doi: <https://doi.org/10.1016/j.jval.2022.09.2371>

Book

- **Rayanakorn A**. Antiretroviral therapy for HIV treatment. 1st ed. Rayanakorn A, Muangsiri N, Tarnkehard S, editors. Chiang Mai, Thailand: Darawan Publishing; 2022.

SELECTED ACADEMIC SERVICE

- Invited speaker for Monash Pharmacoeconomic Workshop organized by School of Pharmacy Monash University Malaysia, Hilton Petaling Jaya, Malaysia, 22 February 2025
- Invited speaker for Systematic Review & Meta-analysis Workshop organized by Research Administration Section, Faculty of Medicine, Chiang Mai University, 10-11 October 2024
- Guest lecturer for topic "Australian Health System" at Medical and Public Health Administration College, 21 June 2023
- Invited speaker, The 5th International Workshop on *Streptococcus suis*, Bangkok, 6-7 June 2023
- Editorial Team, Thai Food and Drug Journal, Thai Journal Citation Index Center (TCI), Q2 (March 2020- present)
- Invited speaker for topic "COVID-19 vaccination", Summer Book Fair Festival, Robinson Airport Plaza, Chiang Mai, 28 March 2021
- Invited speaker, COVID-19 Webinar organized by the Faculty of Public Health Chiang Mai University, 19 June 2021

- Invited speaker, The 1st Trilateral Symposium on SDGs 2021 organized by Kagawa University, Japan, 6 September 2021
- Invited speaker for a sharing session “Unblocking the Writer’s Block: Personal Experiences & Tips for Effective Writing” organized by Jeffrey Cheah School of Medicine and Health Sciences, Monash University, 12 November 2021
- Guest lecturer for Systematic Review and Meta-analysis and Systematic Review Manuscript Writing topics for Doctor of Public Health Program, Thammasat University, 30 October, and 7 November 2021
- Invited speaker, the International Microbiome Diagnostic Forum organized by Jeffrey Cheah School of Medicine and Health Sciences, Monash University, 20-21 November 2021
- Rapporteur Team, The Prince Mahidol Award Conference 2022, S6 Pandemic Preparedness and Response: Stopping the Next Outbreak Before It Becomes a Pandemic, 24-29 January 2022
- Invited Speaker, Systematic and Meta-analysis Workshop organized by Pfizer (Thailand), Ltd., 23 March 2022
- Invited manuscript reviews for international journals including BioMed Research, BMC Public Health BMJ Case Reports, BMJ Open Diabetes Research and Care, Frontiers in Pharmacology, Infection and Drug Resistance, Lancet Regional Issue, PLoS One, SAGE Open Medical Case Reports, Vaccine etc.
- Human Research Ethics Committee Member, Faculty of Medicine, Chiang Mai University, Thailand, January 2024-present
- Human Research Ethics Committee Member, Faculty of Medicine, Prince of Songkhla University, Thailand, May 2024-present

RESEARCH PROJECTS/GRANTS (SELECTED)

1. Project entitled “Pre-exposure prophylaxis (PrEP) implementation among people who inject drugs (PWIDs) compared with other key population: a monitoring and process evaluation for Thailand’s National PrEP Program of the fiscal year 2020 [Jul 2020-Jan 2021], Grant funding of THB1,999,250 (US\$ 57,402) from The Global Fund to Fight AIDS, Tuberculosis and Malaria, Department of Disease Control, Ministry of Public Health, Thailand (As co-investigator)
2. Project entitled “Development of an economic burden model for herpes simplex virus (HSV) infection” [Jul 2020-June 2021], Grant funding from the World Health Organization (WHO, REF# 2020/9969540) through the University of Utah (As co-investigator)
3. Project entitled “Patients’ perspectives on HIV related stigma, and health-related quality of life, Phrao District, Chiang Mai Province” [Jan 2021-Mar 2022], CMU High Impact SE Network funding of THB299,600 (US\$ 8,603) (As Principal Investigator)
4. Project entitled “Cost-effectiveness of public health strategies on COVID-19 control: a systematic review” [Mar 2021-August 2022], CMU Junior Research Fellowship Program funding of THB150,000 (US\$ 4,307) (As Principal Investigator)
5. Project entitled “Preferences for Pre-exposure Prophylaxis (PrEP) use among drug users: a discrete choice experiment” [June 2023-present], CMU Junior Research Fellowship Program funding of THB200,000 (US\$ 5,700) (As Principal Investigator)
6. Project entitled “Molecular and chemical identification of *Mitragyna speciosa* found in Thailand, pharmacological and mechanism studies using proteomics, and product development of herbal extract using nanotechnology” [Oct 2024-present], Fundamental Fund, Thailand Research and Innovation (TSRI) 2025 funding of THB2400,000 (US\$ 68,500) (As co-investigator)
7. Project entitled “Efficacy and safety of intravenous colistin monotherapy versus colistin-based combination therapy among paediatric patients with multidrug-resistant Gram-negative infections: a retrospective cohort study” [May 2025-present], Faculty of Medicine, Chiang Mai University (As Principal Investigator)

H-INDEX & CUMULATIVE CITATIONS

H-index of 14 with cumulative citations of 509 (Google Scholar Citation System) as of 30 January 2026.

<https://scholar.google.com.my/citations?hl=en&user=RprWU-cAAAAJ>

RESEARCH INTERESTS

Clinical Epidemiology, Pharmacoepidemiology, Infectious Diseases, Evidence Synthesis, Health Economics & Outcome Research (HEOR), Global Health