



# MATHUROS TIPAYAMONGKHOLGUL

มธุรส ทิพยมงคลกุล

**Phone:** +66 8 9494 8429

**Email:** mathuros.tip@mahidol.edu

## PROFESSIONAL APPOINTMENT

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<b>Affiliated Faculty</b> Richard M. Fairbanks School of Public Health, Indiana University (USA)	2024 – 2026
<b>Associate Professor</b> ASEAN Institute for Health Development, Mahidol University (Thailand)	2023 - Present
<b>Associate Professor</b> Department of Epidemiology, Faculty of Public Health, Mahidol University (Thailand)	2016 - 2023
<b>Assistant Professor</b> Department of Epidemiology, Faculty of Public Health, Mahidol University (Thailand)	2013 - 2016

## ADMINISTRATIVE APPOINTMENT

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<b>Acting for Deputy Director for Research and Academic Affair</b>	2023 – 2024
<b>Chair of Master of Public Health Program (International Program)</b>	2018 – 2023
<b>Deputy Dean for International Relations and Network</b>	2017 – 2019
<b>Chair of Master of Public Health Program (Thai Program)</b>	2015 – 2018

## EDUCATION

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<b>Ph.D., Institute of Epidemiology</b> National Taiwan University, Taiwan ROC	2009
<b>M.Sc. (Public Health)</b> Mahidol University, Thailand	2010
<b>B.P.H. (Public Health Administration)</b> Sukhothai Thammathirat Open University, Thailand	1993

## EXPERTISE / AREAS OF RESEARCH INTEREST

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- Applied epidemiology in health policy
- Epidemiology methodology
- Implementation research
- Infectious epidemiology
- Social determinants of health

## PUBLICATIONS LIST

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### Only Scopus and ISI

- Sultana S, Jirapongsuwan A, **Tipayamongkholgul M**. Mental Health and Associated Factors among Bangladeshi Migrants in Thailand: a cross-sectional study. *Sci Rep* 2025; 15: 966. <https://doi.org/10.1038/s41598-024-84650-3>
- Trachunthong D, **Tipayamongkholgul M**, Chumseng S, Darasawang W, Bundhamcharoen K. Burden of metabolic syndrome in the global adult HIV-infected population: a systematic review and meta-analysis. *BMC Public Health* 2024; 24: 2657. <https://doi.org/10.1186/s12889-024-20118-3>. (Corresponding author)
- Seeherunwong A, **Tipayamongkholgul M**, Angsukiattitavorn S, et al. Association between socioecological factors and electronic cigarette use among Thai youth: an institution-based cross-sectional study. *BMJ Open* 2023;13:e069083. <https://doi.org/10.1136/bmjopen-2022-069083> (Corresponding author)
- Amatya R, **Tipayamongkholgul M**, Suwannapong N, Tangjitgamol S. Matters of Gender and Social Disparities regarding Postnatal Care Use among Nepalese Women: a Cross-sectional Study in Morang District. *Health Equity* 2023;7(1):271-79. <https://doi.org/10.1089/heq.2022.0186> (Corresponding author)
- Pitayarangsarit S, Bhagaman N, Yodmai K, Thangsirikul N, **Tipayamongkholgul M**. The Resiliency of Noncommunicable Diseases Services During the Public Health Crisis: A lesson from Bangkok, Thailand. *BMC Health Serv Res* 2023;23:409 <https://doi.org/10.1186/s12913-023-09400-z> (Corresponding author)
- Ruamtawee W, **Tipayamongkholgul M**, Aimyong N, Manosuthi W. Prevalence and Risk Factors of Cardiovascular Disease among People Living with HIV in the Asia-Pacific Region: a systematic review. *BMC Public Health* 2023;23:477 <https://doi.org/10.1186/s12889-023-15321-7> (Corresponding author)
- Butsing N, **Tipayamongkholgul M**, Wang JD, Ratanakorn D. Combined Quality of Life and Survival for Estimation of Long-term Health Outcome of Patients with Stroke. *Health Qual. Life Outcomes* 2022; 20(46) <https://doi.org/10.1186/s12955-022-01959-1>. (Corresponding author)
- Strother P, **Tipayamongkholgul M**, Kosaisevee V, Suwannapong N. Effects of Psychosocial Factors on Nonadherence to ART in Ganta, Nimba County, Liberia. *AIDS Research and Therapy* 2022;19. <https://doi.org/10.1186/s12981-022-00455-2>. (Corresponding author)

- Booranathawornsom T, Pombubpa K, **Tipayamongkholgul M**, Kittigul L. Molecular characterization of human bocavirus in recycled water and sewage sludge in Thailand. *Infect Genet Evol* 2022;105276. doi: 10.1016/j.meegid.2022.105276.
- Somboon S, Jirapongsuwan A, Kalampakorn S, **Tipayamongkholgul M**. Acute pesticide poisoning among mixed-crop agricultural workers in Thailand. *Trends Sci* 2022; 19(2):2154.
- **Tipayamongkholgul M**, Kongtip P, Woskie S. Association between Occupations and Selected Non-communicable diseases: A matched case-control among Thai informal workers. *J. Occup. Health* 2021. DOI: 10.1002/1348-9585.12249 (Corresponding author)
- Phodhichai T, Sathannoppakao W, **Tipayamongkholgul M**, Hutchinson C, Sasat S. Development of a protein energy malnutrition screening tool for older Thais in public residential homes. *Public Health Nutrition*. 2021:1-30. doi:10.1017/S1368980021004250
- Amatya R, **Tipayamongkholgul M**, Suwannapong N, Tangjitgamol S. Factors influencing inequitable access to maternal health services in Morang District, Nepal. *JPHD* 2021; 19 (2): 1-13 (Corresponding author)
- Samadarshi S, Taechaboonsermsak P, **Tipayamongkholgul M**, Yodmai K, Quality of life and associated factors amongst older adults in a remote community, Nepal. *JHR* 2020. DOI 10.1108/JHR-01-2020-0023.
- Smithnaraseth A, Seeherunwong A,Rungnapa Panitrat R, **Tipayamongkholgul M**. Hospital and patient factors influencing the health status among patients with schizophrenia, thirty days after hospital discharge: Multilevel analysis *BMC Psychiatry* 2020; 20:592. doi.org/10.1186/s12888-020-03001-4.
- Mishra S, Suwannapong N, **Tipayamongkholgul M**, Aimyong N. Access to Health Service and Social Support Related to Self-Medication. *J Nepal Health Res Counc*. 2020;18(3):500-505. doi: 10.33314/jnhrc.v18i3.2649.
- Angsukiattitavorn S, Seeherunwong A, Panitrat R, **Tipayamongkholgul M**. Prevalence and Distribution Pattern of Mood Swings in Thai Adolescents: A school-based Survey in The Central Region of Thailand. *BMC Psychiatry*. 2020; 20:191 doi.org/10.1186/s12888-020-02605-0.
- Tsai FJ, **Tipayamongkholgul M**. Are countries' self-reported assessments of their capacity for infectious disease control reliable? Associations among countries' self-reported international health regulation 2005 capacity assessments and infectious disease control outcomes. *BMC Public Health*. 2020;20(1):282. doi: 10.1186/s12889-020-8359-8.
- Sang-Ngoen D, Hutchinson C, Sathannoppakao W, **Tipayamongkholgul M**. Dietary Iron Intake and Availability in Hill Tribe and Urban Women, Chiang Rai Province, Northern Thailand. *Ecol Food Nutr*. 2020 Mar 4:1-21. doi:10.1080/03670244.2020.1737041.
- Butsing N, **Tipayamongkholgul M**, Ratanakorn D. Estimation of expected years of life lost for patients with ischemic stroke and intracerebral hemorrhage. *JHR*. 2019. DOI 10.1108/JHR-10-2018-0126
- Nankongnab N, Kongtip P, **Tipayamongkholgul M**, Bunngamchairat A, Sitthisak S, Woskie S. Difference in Accidents, Health Symptoms, and Ergonomic Problems between Conventional Farmers Using Pesticides and Organic Farmers. *J Agromedicine*. 2019 doi: 10.1080/1059924X.2019.1607793.

- Sirisub P, Suwannapong N, **Tipayamongkholgul M**, Howteerakul N, Noree T. Intention to Extend Working Life among Thai Registered Nurses in Ministry of Public Health: A National Survey. *Nurs Res Pract*. 2019. doi: 10.1155/2019/7919404.
- Butsing N, **Tipayamongkholgul M**, Ratanakorn D, Suwannapong N, Bundhamcharoen K, Social Support, Functional Outcome and Quality of Life among Stroke Survivors in an Urban Area. *J Pac Rim Psychol* 2019. doi: 10.1017/prp.2019.2 (Corresponding author)
- Butsing N, Mawn B, Suwannapong N, **Tipayamongkholgul M**. Long-Term Survival of Ischemic and Hemorrhagic Stroke Patients: An Analysis of National Thai Data. *Southeast Asian J Trop Med Public Health* 2018;49: 322-330. (Corresponding author)
- Konthonbut P, Kongtip P, Nankongnab N, **Tipayamongkholgul M**, Yoosook W, Woskie S. Paraquat Exposure of Pregnant Women and Neonates in Agricultural Areas in Thailand. *Int. J. Environ. Res. Public Health* 2018, 15, 1163.
- Kongtip P, Nankongnab N, Mahaboonpeeti R, Bootsikeaw S, Batsungnoen K, Hanchenlaksh C, **Tipayamongkholgul M**, Woskie S. Differences among Thai Agricultural Workers' Health, Working Conditions, and Pesticide Use by Farm Type. *Ann Work Expo Health* 2018; 62(2):167-181. doi: 10.1093/annweh/wxx099.
- Kongtip P, Nankongnab N, **Tipayamongkholgul M**, Bunngamchairat A, Yimsabai J, Pataitiemthong A, Woskie S. A Cross-Sectional Investigation of Cardiovascular and Metabolic Biomarkers among Conventional and Organic Farmers in Thailand. *Int. J. Environ. Res. Public Health* 2018, 15, 2590.
- Petcharoen H, Suwannapong N, Howteerakul N, **Tipayamongkholgul M**, Ramaswamy R. Participatory capacity building for improving quality of childcare centers in Thailand. *Rural & Remote Health* 2018, 18 (2):226-238.
- Thongprasert C, Hutchinson C, Satheannoppakao W, **Tipayamongkholgul M**. Dietary iron intake and availability are related to maternal education level in overweight/obese adolescents. *Eur J Nutr* 2017. doi: 10.1007/s00394-017-1501-4. [Epub ahead of print]
- Lowmoung, T., Pombubpa, K., Duangdee, T. **Tipayamongkholgul M**, Kittigul L. Distribution of Naturally Occurring Norovirus Genogroups I, II, and IV in Oyster Tissues. *Food Environ Virol* 2017. doi:10.1007/s12560-017-9305-5
- **Tipayamongkholgul M**, Luksamijarulkul P, Mawn B, Kongtip P, Woskie S. Occupational Hazards in the Thai Healthcare Sector. *New Solut* 2016; 26(1):83-102. doi: 10.1177/1048291116633871.
- Somsri P, Satheannoppakao W, **Tipayamongkholgul M**, Vatanasomboon P, Kasemsup R. A Cosmetic Content-Based Nutrition Education Program Improves Fruit and Vegetable Consumption Among Grade 11 Thai Students. *J Nutr Educ Behav* 2016; 48 (3):190-8.e1. doi: 10.1016/j.jneb.2015.11.002.
- Ismail N, Suwannapong N, Howteerakul N, **Tipayamongkholgul M**, Apinuntavech S. Assessing disaster preparedness and mental health of community members in Aceh, Indonesia: a community-based, descriptive household survey of a national program. *Rural and Remote Health* 2016; 16 (4): 3788.

- **Tipayamongkholgul M**, Marin W, Sujirarat D, Pokeaw P, Pungrassami P. Non-communicable diseases increased risk of Recurrent Tuberculosis in Epidemic Area of Human Immunodeficiency Virus Infection, Thailand. *Tropical biomedicine* 2016;33(1):190-6. (corresponding author)
- Toothong T, **Tipayamongkholgul M**, Suwannapong N, Suvannadabba S. Evaluation of Mass Drug Administration in the program to control imported lymphatic filariasis in Thailand. *BMC Public Health* 2015;15:975 (corresponding author)
- Phosat C, Soontornnon S, Suansawang W, Satheannoppakao W, **Tipayamongkholgul M**, Chompooseang T. Self-Dietary Assessment Tool Development for Gastrointestinal Surgery Patients, Pre/Post Operative. *J Public Health* 2015; 45(1): 28-45.
- Bhoomboonchoo P, Nisalak A, Chansatiporn N, Yoon I-K, Kalayanaroj S, **Tipayamongkholgul M**, Timothy, et al. Sequential Dengue Virus Infections Detected in Active and Passive Surveillance Programs in Thailand, 1994-2010 *BMC Public Health* 2015; 15:250.
- Stein M, van Steenbergen JE, Buskens V, van der Heijden VGM, Chanyasanha C, **Tipayamongkholgul M**, Thorson A, Bengtsson L, Lu X, Kretzschmar MEE. Comparison of Contact Patterns Relevant for Transmission of Respiratory Pathogens in Thailand and the Netherlands Using Respondent-Driven Sampling. *PLoS ONE* 2014 9(11): e113711. doi:10.1371/journal.pone.0113711.
- Bhoomboonchoo P, Gibbons RV, Huang A, Yoon I-K, Buddhari D, Nisalak A, Chansatiporn N, **Tipayamongkholgul M**, Kalanarooj S, Endy T, Rothman AL, Srikiatkachorn A, Green S, Mammen MP, Cummings DA, Salje H. The Spatial Dynamics of Dengue Virus in Kamphaeng Phet, Thailand. *PLoS Negl Trop Dis* 2014; 8(9): e3138. doi:10.1371/journal.pntd.0003138.
- Suwannapong N, **Tipayamongkholgul M**, Bhumiratana A, Boonsuyar C, Howteerakul N, Poolthin S. Effect of community participation on household environment to mitigate dengue transmission in Thailand. *Tropical biomedicine* 2014; 31(1):1-10 (corresponding author)
- Howteerakul N, Kyaw Htin, Suwannapong N, **Tipayamongkholgul M**. Smoking, alcohol consumption and betel-quid chewing among young adult Burmese laborers in Thailand. *Southeast Asian J Trop Med Public Health* 2014;45(4).
- Stein ML, van Steenbergen JE, Chanyasanha C, **Tipayamongkholgul M**, Buskens V, et al. Online Respondent-Driven Sampling for Studying Contact Patterns Relevant for the Spread of Close-Contact Pathogens: A Pilot Study in Thailand. *PLoS ONE* 2014; 9(1); e85256. doi:10.1371/journal.pone.0085256
- **Tipayamongkholgul M**, Podang J, Siri S. Spatial analysis of social determinants for tuberculosis in Thailand. *J Med Assoc Thai* 2013;96(12):116-21 (corresponding author)
- Charoenca N, Kungskulniti N, **Tipayamongkholgul M**, Sujirarat D, Lohchindarat S, Mock J, Hamann SL. Determining the burden of secondhand smoke exposure on the respiratory health of Thai Children. *Tobacco Induced Diseases* 2013, 11:7.
- Rattanasiri M, Satheannoppakao W, Kasemsup R, **Tipayamongkholgul M**. Computer usage patterns and their association with nutritional status in female students grade 10-12 *J Public Health* 2013; 43(1): 17-29.
- **Tipayamongkholgul M**. Spatial Epidemiology in Public Health. *J Public Health* 2012; 42 (3): 44-54.

- **Tipayamongkholgul M.** Spatial and temporal heterogeneity in vulnerability to dengue among Thai villages, Prachuap Khirikhan, 2003–2007 *Asia Journal of Public Health* 2012; 3(3) :94-101.
- Prapanwong A, Rattanajiemrungsri S, Klinchan S, **Tipayamongkholgul M.** Effects of community-based directly-observed treatment for tuberculosis treatment in mountainous areas. *Asia Journal of Public Health* 2012; 2: 9-14 (corresponding author)
- **Tipayamongkholgul M.** Public Health Impacts of Floods in Thailand. *ACTS Newsletter.* 2011;1: 8-9
- **Tipayamongkholgul M** and Lisakulrak S. Socio-Geographic Factors in Vulnerability to Dengue in Thai Villages: A Spatial Regression Analysis. *Geospatial Health.* 2011; 5(2): 191-8 (Corresponding author)
- Apinuntavech S, Viwatwongkasem C, **Tipayamongkholgul M,** Wichaidit W, Rassamee S. Consequences and Associated Factors of Youth Gambling. *J Med Assoc Thai.* 2010; 95 (Suppl.6) :S21-29 (corresponding author)
- **Tipayamongkholgul M,** Fang CT, Klinchan S, Liu CM, King CC. Effects of the El Niño-southern oscillation on dengue epidemics in Thailand, 1996-2005. *BMC Public Health* 2009;20:422.
- Srisam-Ang K, Podhipak A, Narksawat K, Supaattagorn P, **Tipayamongkholgul M.** Survival of patients with advanced non-small-cell lung cancer at Ubon Ratchathani Cancer Center, Thailand. *Southeast Asian J Trop Med Public Health.* 2005 ;36(4):994-1006.
- **Tipayamongkholgul M,** Podhipak A, Chearskul S, Sunakorn P. Factors associated with the development of tuberculosis in BCG immunized children. *Southeast Asian J Trop Med Public Health.* 2005;36(1):145-50.

### Some TCI publications (Thai Publication)

- Somboon C, Tipayamongkholgul M, Bundhamcharoen K, Lertpitakpong C. Estimating Cost of Illness of COVID-19 in Bamrasnaradura Infectious Diseases Institute, Thailand. *J Health Syst Res [internet].* 2023 Dec. 28 [cited 2025 Jan. 20];17(4):779-90. available from: [https://he04.tci-thaijo.org/index.php/j\\_hsr/article/view/2523](https://he04.tci-thaijo.org/index.php/j_hsr/article/view/2523)
- Winyouvongsiri P, **Tipayamongkholgul M,** Tornee S, Ekchariyawat P. Predictive Risk Area Modeling for Tuberculosis at the Provincial Level, Thailand. *THJPH* 2022; 52(2): (Accepted) (Corresponding author)
- Munthum A, **Tipayamongkholgul M,** Paorohit W. Factors affecting overweight and obesity among the health check-up examinees at the Division of Preventive Medicine, Directorate of Medical Services, RTAF. *RTA Med J* 2022;75(1):27-37. <https://he02.tci-thaijo.org/index.php/rtamedj/article/view/251853/175022>. (Corresponding author)
- Tawonkasiwattanakun P, Kosaisavee V, Suwannapong N, **Tipayamongkholgul M.** Symptomatic Dry Eye Prevalence and Related Factors in an Open University, Bangkok, Thailand. *THJPH* 2021; 51(3): 195-203 (Corresponding author) <https://he02.tci-thaijo.org/index.php/jph/article/view/251780/173931>

- Trisakun B, **Tipayamongkholgul M**, Aimyong N, Uthis P. Perceived Stigma, Social Support, and Quality of Life among People Living with HIV/AIDS in Lopburi Province. *TJPHS* 2021; 4(3):18-32. <https://he02.tci-thaijo.org/index.php/tjph/article/view/247025/173028>.
- Nitaramorn S, Suwannapong N, **Tipayamongkholgul M**, Tanasri T. Health Status of Waste Management Workers in Municipality of Nonthaburi Province *J. Health Science* 2021;30(2):232-41. <https://thaidj.org/index.php/JHS/article/view/10006/8864>
- Khaopong C, Suwannapong N, **Tipayamongkholgul M**, Aimyong N. Need Assessment to Enhance Physical Therapy Ability of Health Personnel in Subdistrict Health Promoting Hospital, Regional Health Centre 4 Saraburi *Royal Thai Navy Medical Journal* 2019; 46 (1): 182-198
- Prommi N, Suwannapong N, **Tipayamongkholgul M**, Manmee C. Life happiness of the elderly in Bangkok *Journal of Mental Health of Thailand*. 2019;27(2):80-94.
- Sansamak N, Suwannapong N, **Tipayamongkholgul M**, Butsrípoom B. Performance of Perioperative Nurses in Relation to the Standard of Perioperative Nursing in One University Hospital *Royal Thai Navy Medical Journal* 2019; 46 (1) :165-181
- Kwanjaroensub S, Suwannapong N, **Tipayamongkholgul M**, Manmee C. Health Need Assessment and Accessibility to Health Services of Rural Elderly in Wihandaeng District, Saraburi Provinc. *Royal Thai Navy Medical*, 2019; 46 (1): 215 – 230.
- Muneerat S, Suwannapong N, **Tipayamongkholgul M**, Manmee C. Job Characteristics, Job-Related Stress and Intention to Stay in Professional Nursing in a Tertiary Care Hospital, Ministry of Public Health. *Journal of Health Science*, 2010; 28 (1): 134 – 141.
- Junyatham S, Suwannapong N, **Tipayamongkholgul M**, Aimyong N, Quality of Work Life of Professional Nurses in One Public University Hospital. *Royal Thai Navy Medical Journal* 2018; 45 (1) :52 – 65.
- Ngamkham S, Suwannapong N, **Tipayamongkholgul M**, Manmee J. Access to Health Care Services of the Elderly, Thawiwatthana District, Bangkok *Kuakarun Journal of Nursing* 2018; 25 (2): 91 – 104.

## RESEARCH GRANTS / FELLOWSHIPS

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### Research Grants

- A trauma-sensitive classroom model to create social and emotional learning to enhance resilience in Thai children (Principal Investigator) Funded by NRCT, 2024 - 2025.
- Using the CFIR, RE-AIM, and NPT to analyze and scale up the community-based surveillance and preventative system for suicide (Principal Investigator) Funded by NHRI, December 2022 – November 2023
- Implementation of DSMP-NS model for Type 1 Diabetes Care in health care system and development of surveillance system for Type 1 Diabetes, Funded by NHRI, 2022-2023
- The Evaluation Project for Strategic Plan for Drug Prevention and Control in Bangkok Metropolitan (Principal Investigator) Funded by BMA, December 2022-May 2023
- Development of Strategic Framework For Promoting Health Media Ecology to

- Accommodate Individual to Improve Health, 2022 (Principal investigator) Funded by Thai Health Promotion Foundation, February 2022-September 2022
- A national survey of electronic cigarette use and associated factors among Thai youth, co-investigator, 1 October 2020 – 1 December 2021, Funded by the Tobacco Control Research and Knowledge Management Center (TRC).
- Evaluation Project of Health Media System and Spiritual Health Pathway Plan, year 2018 – 2020, (Principal investigator) Funded by Thai Health Promotion Foundation
- 1/2-GEOHealth Hub: Improving Agricultural Health in Southeast Asia-Thailand. (Co-investigator), September 2015-August 2020, Funded by Fogarty International Center of the National Institutes of Health (Award Number U01TW010091).
- 1/2 Occupational Health Research, Policy & Capacity Building in Thailand-Thailand. (Co-investigator), September 2012- August 2015 Funded by Fogarty International Center of the National Institutes of Health (Award Number R24TW009558).
- Impacts of Myanmar migrant workers on transmission of *Wuchereria bancrofti* nocturnally type in Thailand: Epidemic model of Empirical evidence from Samutsakorn province (Principal investigator), March 2014-2016 (PHRU/CMB 01/2014)
- Evaluation on HIV-Related Risk Behavioral Surveillance System among Various Target Populations (Co-investigator) January – December 2014 Funded by National research institute
- Influenza vaccine coverage among high-risk populations in Thailand, 2013 (Co-investigator) Funded by US-CDC
- Influenza vaccine coverage among high-risk populations in Thailand, 2013 (Co-investigator)
- Occupational health research, Policy and Capacity building in Thailand (Co-investigator), September 2012-August 2014. Funded by NIH (Grant number 1R24TW009558-01)
- Associated factors of spatial epidemiology of pulmonary tuberculosis risk in Thailand at provincial level, 2003-2009 (Principal Investigator), January – December 2011, Funded by China Medical Board (PHRU/CMB 04 /2010)
- Evaluation of national dengue surveillance prevention and control program in 2010. (Co-investigator), January—September 2011. Funded by Department of Disease control, Ministry of Public Health Thailand.

## **OTHERS**

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- Associate Editor: Journal of Occupational Health, Japan Society for Occupational Health
- Peer reviewer: BMC Health Services Research, BMC Public Health, BMJ Open, and PLoS One