



อาจารย์กนกวรรณ สุขรัมย์

Aj. Kanokwan Sukrak

POSITION: Lecturer

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EDUCATION:

- 2020-Present Ph.D. Candidate (Environmental Engineering), Department of Environmental and Sustainable Engineering, Faculty of Engineering, Chulalongkorn University, Thailand
- 2013-2016 Bachelor of Science (Occupational Health and Safety), School of Health Science, Sukhothai Thammathirat Open University, Thailand
- 2012-2015 Master of Engineering. (Environmental Engineering), Department of Environmental Engineering, Faculty of Engineering, Chulalongkorn University, Thailand
- 2006-2009 Bachelor of Science (Health Science), Minor in Environmental Health, Faculty of Public Health, Thammasat University, Thailand

COUNCIL AND SUBCOMMITTEE APPOINTMENTS:

- 2025-2027 **Council Member**, Council of Science and Technology Professions
Appointed under Section 21(2) of the Professional Promotion of Science and Technology Act (5th Term, Health Science Discipline Group)
Secretary, Subcommittee on Regulated Science and Technology Professions in the Field of Environmental Health
- 2026-Present **Secretary**, Working Group for the Development of Systems and Mechanisms to Regulate Environmental Health Management under the Public Health Act B.E. 2535 (1992) by Environmental Health Professionals under the Promotion of Science and Technology Professions Act B.E. 2551 (2008)| Department of Health Order No. 856/2569 (2026), Ministry of Public Health, Thailand

PROFESSIONAL LICENSES:

Issuing Authority: Council of Science and Technology Professionals

- Lifetime Member – Membership No. 582300032
- Controlled Science and Technology Professional License
 - o Field: Scientific Environmental Impact Assessment and Pollution Control
 - Qualified Environmental Impact Assessment Expert – License No. 6820300015
 - Specialist in Health Impact Assessment– License No. 6820106016
 - Specialist in Occupational Health and Safety – License No. 6820107017
 - Specialist in Air Quality Specialist – License No. 6820108018
 - Specialist in Hazardous Waste – License No. 6820111010
 - o Field: Environmental Health
 - Specialist in Sanitation Management for Public Service Facilities – License No. 6960207001

Issuing Authority: Department of Industrial Works, Ministry of Industry

- Supervisor of Pollution Prevention Systems (Air Pollution)

Registration No. 020-58-00781

Professional Memberships : Member, Environmental Engineering Association of Thailand (No. ๓.282)



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RESEARCH INTERESTS:

- Environmental Management Tools: Environmental Impact Assessment (EIA), Environmental and Health Impact Assessment (EHIA), Stakeholder Engagement, and Public Participation
- Monitoring and Mitigation of Environmental Pollution
- Environmental Health and Toxicology
- Environmental and Sustainable Engineering
- Risk Assessment
- Air Pollution Management

PUBLICATIONS:

- Ahmad, M., Manjantrarat, T., Rattanawongsa, W., Muensri, P., Saenmuangchin, R., Klamchuen, A., Aueviriyavit, S., Sukrak, K., Kangwansupamonkon, W., & Panyametheekul, S. (2022). *Chemical Composition, Sources, and Health Risk Assessment of PM_{2.5} and PM₁₀ in Urban Sites of Bangkok, Thailand*. *International Journal of Environmental Research and Public Health*, 19(21), 14281. <https://www.mdpi.com/1660-4601/19/21/14281>
- Petpiroon, N., Netkueakul, W., Sukrak, K., Wang, C., Liang, Y., Wang, M., Liu, Y., Li, Q., Kamran, R., Naruse, K., Aueviriyavit, S., & Takahashi, K. (2023). *Development of lung tissue models and their applications*. *Life Sciences*, 334, 122208. <https://doi.org/https://doi.org/10.1016/j.lfs.2023.122208>

CONFERENCES:

- Sukrak, K., Petpiroon, N., Wongwanakul, R., Natekuekul, W., Kangwansupamongkon, W., Pawarmart, I., Ahmad, M., Aueviriyavit, S., & Panyametheekul, S. (2023, November 29–December 1). *Particle size distribution, morphology, and elemental composition of ultrafine particles in Bangkok traffic area comparing to Euro4 diesel exhaust particles* [Oral presentation]. Presented at the 8th International Conference on Nanotechnology – NanoThailand 2023, Dusit Thani Pattaya, Chonburi, Thailand. Organized by the National Nanotechnology Center (NANOTEC), NSTDA.
- Petpiroon, N., Sukrak, K., Netkueakul, W., Wongwanakul, R., Saensa-ard, S., Roytrakul, S., Charoenlappanit, S., Laohathai, S., & Aueviriyavit, S. (2023, November 29–December 1). *Application of lung tissue model for study the adverse outcome pathways of ultrafine particles and fine particles in Bangkok traffic area* [Poster presentation]. Presented at the 8th International Conference on Nanotechnology – NanoThailand 2023, Dusit Thani Pattaya, Chonburi, Thailand. Organized by the National Nanotechnology Center (NANOTEC), NSTDA.
- Sukrak, K., Watchalayann, P., Chaiyasit, N., & Chavalparit, O. (2015, May 27–29). *Investigation of mercury in dental amalgam waste* [Oral presentation]. Presented at the 14th National Environmental Engineering Conference, Lotus Pang Suan Kaew Hotel, Chiang Mai, Thailand. Organized by the Environmental Engineering Association of Thailand (EEAT).