



โปรไฟล์

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Ph.D. in Life Science (Occupational Health and Safety of Nanotechnology)
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การศึกษา (EDUCATION)

- 2020** Ph.D. in Life Science (Occupational Health and Safety of Nanotechnology), Department of Occupational and Environmental Health, Center for Primary Care and Public Health (Unisanté), Faculty of Biology and Medicine, University of Lausanne
- 2007** วท.ม. สุขศาสตร์อุตสาหกรรมและความปลอดภัย
ภาควิชาอาชีวอนามัยและความปลอดภัย
คณะสาธารณสุขศาสตร์ มหาวิทยาลัยมหิดล
- 2004** วท.บ. อาชีวอนามัยและความปลอดภัย
สาขาวิชาอาชีวอนามัยและความปลอดภัย
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งานวิจัยที่สนใจ (RESEARCH INTERESTS)

- OCCUPATIONAL HEALTH AND SAFETY OF NANOTECHNOLOGY
- REACTIVE OXYGEN SPECIES (ROS)
- ENVIRONMENTAL HAZARDS EXPOSURE AND HEALTH EFFECT
- ENVIRONMENTAL HAZARDS ASSESSMENT AND CONTROL
- OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT
- OCCUPATIONAL HEALTH AND SAFETY RISK ASSESSMENT
- INDUSTRIAL HYGIENE
- ERGONOMICS

รางวัล/ทุนการศึกษา (STUDENTSHIP AWARDS)

- 2017** The best poster present in topic “Airborne Portland cement nanoparticles during bag emptying”. From British Occupational Hygiene Society (BOHS) Annual Conference (OH2017) at Harrogate, The United Kingdom, 25–27 April 2017
- 2008** The best poster present in topic “Safety Management Intervention Program for Primary School in Nakornratchasima Educational Service Area Office 5: Case Study for Nongkratum School and Tangta School”. From The 3RD International Scientific Conference on Occupational and Environmental Health, Vietnam Association of Occupational Health National Institute of Occupational and Environmental Health in Collaboration with University of Washington, at Vietnam, October 2008.

ผลงานตีพิมพ์ (PUBLICATIONS)

- 2020** **Batsungnoen, Kiattisak**, Michael Riediker, Nancy B. Hopf, and Guillaume Suárez. 2020. Airborne Reactive Oxygen Species (ROS) is Associated with Nano TiO₂ Concentrations in Aerosolized Cement Particles during Simulated Work Activities. *Journal of Nanoparticle Research* 22 (7): 204. <https://doi.org/10.1007/s11051-020-04913-8>.
- Batsungnoen, Kiattisak**, Michael Riediker, Guillaume Suárez, and Nancy B. Hopf. 2020. From Nano to Micrometer Size Particles – a Characterization of Airborne Cement Particles during Construction Activities. *Journal of Hazardous Materials*, May, 122838. <https://doi.org/10.1016/j.jhazmat.2020.122838>.
- Guseva Canu, I., **Batsungnoen, K.**, Maynard, A., & Hopf, N. B. (2020). State of knowledge on the occupational exposure to carbon nanotube. *International Journal of Hygiene and Environmental Health*, 225, 113472. <https://doi.org/10.1016/j.ijheh.2020.113472>
- 2019** **Kiattisak Batsungnoen**, Nancy B. Hopf, Guillaume Suárez, and Michael Riediker. 2019. Characterization of Nanoparticles in Aerosolized Photocatalytic and Regular Cement. *Aerosol Science and Technology* 53 (5): 540–48. <https://doi.org/10.1080/02786826.2019.1578334>.
- 2018** Kongtip, Pornpimol, Noppanun Nankongnab, Redeerat Mahaboonpeeti, Sasivimol Bootsikeaw, **Kiattisak Batsungnoen**, Chalalai Hanchenlaksh, Mathuros Tipayamongkhogul, and Susan Woskie. 2018. Differences among Thai Agricultural Workers’ Health, Working Conditions, and Pesticide Use by Farm Type. *Annals of Work Exposures and Health*, January. <https://doi.org/10.1093/annweh/wxx099>.
- 2017** Vernez, David, Jean-Jacques Sauvain, Alexis Laulagnet, Alejandro Portela Otaño, Nancy B. Hopf, **Kiattisak Batsungnoen**, and Guillaume Suárez. 2017. Airborne Nano-TiO₂ Particles: An Innate or Environmentally-Induced Toxicity?. *Journal of Photochemistry and Photobiology A: Chemistry* 343 (June): 119–25. <https://doi.org/10.1016/j.jphotochem.2017.04.022>.
- 2016** Nankongnab, Noppanun, Pornpimol Kongtip, Susan Woskie, and **Kiattisak Batsungnoen**. 2016. P339 Results from a Survey of the Working Conditions of Stone Sculptors in Nakhon Ratchasima Province, Thailand. *Occup Environ Med* 73 (Suppl 1): A235–A235. <https://doi.org/10.1136/oemed-2016-103951.654>.
- 2014** **Kiattisak Batsungnoen**, Padej Pao-la-or & Issaraporn Amornsawatwattana, 2014. Electrical Chock Dangerous for Human in Flooding Situation. The SIJ Transactions on Computer Science Engineering & its Applications (CSEA). *The Standard International Journals (The SIJ)*, Vol. 2, No. 3, Page 105-108.

Conferences with Full Text Proceeding

1. **Kiattisak Batsungnoen**, Padej Pao-la-or and Issaraporn Amornsawatwattana, 2014. **A Study of Amount of Electric Current Flowing Through the Human Body and Health Effect at Different Distances: A Case Study of Contacts of Electric Sources and the Human Body**

into Water. *Proceedings of International Symposium on Fundamental and Applied Sciences (ISFAS).* Page 767-773.

2. **Kiattisak Batsungnoen** and Thanatchai Kulworawanichpong, **Heat Stress Monitor by using Low-Cost Temperature and Humidity Sensors,** *Proceedings of World Academy of Science, Engineering and Technology Issue 71,* Venice Italy, November 14-16, 2012
3. Nareelux Suwannobol, Plernpit Promrak, and **Kiattisak Batsungnoen,** **The Environmental Conservation Behavior of the Applied Health Science Students of Green and Clean University,** *Proceedings of World Academy of Science, Engineering and Technology Issue 71,* Venice Italy, November 14-16, 2012
4. Tosaphol Ratniyomchai, Thanatchai Kulworawanichpong and **Kiattisak Batsungnoen,** **Electrical Safety Evaluation in Working Place Environment Based On Touch Voltage Calculation,** *Proceedings of the 2012 Spring World Congress on Engineering and Technology (SCET),* Xi'an, China; May 27-30, 2012
5. Kokrat Aodsup, Thanatchai Kulworawanichpong, **Kiattisak Batsungnoen,** **Lightning Stroke Shielding of Electric Railway Overhead Catenary Feeding Systems,** *Proceedings of the 2012 Spring World Congress on Engineering and Technology (SCET),* Xi'an, China; May 27-30, 2012
6. **Kiattisak Batsungnoen,** Plearnpis Promrak and Thanatchai Kulworawanichpong, **The Study of Appropriate Light Intensity Levels for Office Work (Causing the Least Visual Discomfort) ,** *Proceedings of the International Conference on Health and Medical Informatics,* Paris, France; August 24-26, 2011
7. **Kiattisak Batsungnoen** and Nareelux Suwannobol, **The Study of Correlation between Blood Alcohol Level and Effectiveness of Physical Responses,** *Proceedings of the International Conference on Health and Medical Informatics,* Paris, France; August 24- 26, 2011
8. **Kiattisak Batsungneon** and Thanatchai Kulworawanichpong, **Effect of Dust Particles in Local Rice Mills on Human Respiratory System,** *Proceedings of the International Conference on Health and Medical Informatics,* Paris, France; August 24-26, 2011
9. **Kiattisak Batsungneon** and Thanatchai Kulworawanichpong, **Development of a Low-cost Sound Meter,** *Proceedings of the 25th Thailand National Safety week Conference on Occupational Health and Safety,* BITEC Bangna, Bangkok, Thailand; July 7-9, 2011
10. **Kiattisak Batsungneon** and Thanatchai Kulworawanichpong, **Implementation of Illuminance Meter by Light-Dependent Resistors (LDR),** *Proceedings of the 25th Thailand National Safety week Conference on Occupational Health and Safety,* BITEC Bangna, Bangkok, Thailand; July 7-9, 2011
11. **Kiattisak Batsungnoen,** Pirutchada Musigapong, Pongsit Boonruksa, **The Study of Carbon Monoxide and Total Dust Quantity Caused by Engine Combustion in Parking Areas ,**

12. Pirutchada Musigapong, **Kiattisak Batsungnoen**, Pongsit Boonruksa, **Visual Fatigue During Inspection With and Without Convex Lens**, *Proceedings of ISES-ISEE 2010 Technology, Environmental Sustainability and Health Conference*, COEX Convention center, Seoul, KOREA

Conferences with an Abstract Proceeding

1. **Kiattisak Batsungnoen**, Michael Riediker, Guillaume Suárez, and Nancy Hopf. 2019. **Exposure to airborne nanoparticles during simulated construction activities with photocatalytic and regular cement**. The 4th Asian Network of Occupational Hygiene Conference (ANOH 2019). Presented at the Best Western Plus Wanda Grande Hotel, Thailand, 9-12 November 2019 (Keynote Speaker)
2. **Batsungnoen, Kiattisak**, Michael Riediker, Guillaume Suárez, and Nancy Hopf. 2018. **Reactive Oxygen Species (ROS) Production from Airborne Cement Nanoparticles with or without UV Exposure**. X2018 – the 9th International Conference on the Science of Exposure Assessment. Presented at the Manchester, United Kingdom, 24-16 September 2018
3. **Kiattisak Batsungnoen**, Michael Riediker, Guillaume Suárez and Nancy Brenna Hopf, 2017. **Airborne Portland cement nanoparticles during bag emptying**. British Occupational Hygiene Society (BOHS) Annual Conference – OH2017. Presented at Harrogate The United Kingdom, 25-27 April 2017
4. **Kiattisak Batsungnoen**, Nancy Brenna Hopf, Guillaume Suarez and Michael Riediker, 2016. **Characterization of nanoparticles in photocatalytic and regular cement using an aerosolizing nanoparticle generator system**. NanoThailand 2016: The 5th Thailand International Nanotechnology Conference. Presented at Greenery Resort Khao Yai Hotel, Nakhon Ratchasima, Thailand, November 27-29, 2016. Page a-50
5. **Kiattisak Batsungnoen**, Nancy Brenna Hopf, Guillaume Suarez and Michael Riediker, 2016. **Comparison on size distribution and concentration of nanoparticles between photocatalytic and regular cement in an aerosolization system**. The 11th International Particle Toxicology Conference. Presented at Singapore, September 26 - 30, 2016. Page 106
6. **Kiattisak Batsungnoen**, Pramuk Osiri, Chalermchai Chaikittiporn, Precha Loosereewanich, Somyos Pawanant, **Safety Management Intervention Program for Primary School in Nakronratchasima Educational Service Area Office 5: Case Study for Nongkratum School and Tangta School**. *The 3RD International Scientific Conference on Occupational and Environmental Health*, Viet Nam Association of Occupational Health National Institute of Occupational and Environmental Health in Collaboration with University of Washington, USA, October 2008.

