

ผศ.ดร.สุพัต ควรพงษ์สกุล

Suphaphat Kwonpongsagoon, Ph.D.



Position: Assistant Professor

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Education

Ph.D. (Civil & Environmental Engineering), University of New South Wales, Australia
M.Eng.Sc. (Waste Management), University of New South Wales, Australia
B.Sc. (Public Health), 1st Class honours, Mahidol University, Thailand

Expertise

Material flow analysis (MFA)/Substance flow analysis (SFA)
Life cycle assessment (LCA), Carbon footprint analysis
Health risk assessment (HRA)
Environmental management
Sustainable development indicators
Waste management
Nutrients management

Selected Publications

Kwonpongsagoon S,JareemitS, and Kanchanapiya P (2017) Environmental Impacts of Recycled Nonmetallic Fraction from Waste Printed Circuit Board, **International Journal of GEOMATE**, Vol 12(34): 8-14.

Wongsoonthornchai M, Scheidegger R,**Kwonpongsagoon S**, and Bader, H-P (2017)Analysis of Time-dependent mercury flows through the Use of Thermometers and Sphygmomanometers, International Journal of GEOMATE, Vol 12(33): 65-70.

Selected Publications

- Tesanan S, **Kwonpongsagoon S**, and Kanchanapiya P (2016) Solidification/Stabilization of Nonvaluable Residue from Waste Printed Circuit Board Assembly, **International Journal of GEOMATE**, Vol 11(24): 2307-13.
- Wongsoonthornchai M, **Kwonpongsagoon S**, and Scheidegger R; (2016) Assessment of Mercury Flows through Fluorescent Lamps and Potential Reduction Scenarios in Thailand, **International Journal of Environmental Science and Development**, Vol 7 (5): pp 340-345.
- Wongsoonthornchai M, **Kwonpongsagoon S**, and Scheidegger R;(2016) Modeling mercury flows in Thailand on the basis of mathematical material flow analysis, **CLEAN: Soil, Air, Water**, Vol 44(1): 16-24.DOI: 10.1002/clen.201400670
- Kanchanapiya P, Pinyo W, Jareemit S, and **Kwonpongsagoon S** (2015) The recycling of non-metallic powder from printed circuit board waste as filler material in fiber reinforced polymer, **Environment Protection Engineering**, Vol 41(4), pp 151-166.DOI 10.5277/epe150412
- Kupkanchanakul W, **Kwonpongsagoon S**, Bader H-P, and Scheidegger R; (2015) Integrating spatial land use analysis and mathematical material flow analysis for nutrient management: a case study of the Bang Pakong river Basin in Thailand, **Environmental Management**, Vol 55: pp 1022-1035.
- Wongsoonthornchai M, **Kwonpongsagoon S**; (2014) Estimating mercury flow through thermometers and sphygmomanometers in healthcare facilities in Thailand on the basis of a material flow analysis,**Adv Mat Res**,Vol 931-932: pp 629-634.
- Kupkanchanakul W, and **Kwonpongsagoon S**; (2011) Nitrogen and phosphorus flow analysis from pig farming in Bang Pakong Basin, eastern Thailand, **EnvironmentAsia**, Vol. 4(2), pp 27 – 32
- Kwonpongsagoon, S. (2010) Substance Flow Analysis (SFA) for sustainable environmental management, **Thai Environmental Engineering Magazine**, Vol. 7(1), pp 24 – 27 (in Thai).