

## Anthony C. Kuster, M.Sc., P.E.

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### Education

- Dr.PH Khon Kaen University**, Public Health, (Candidate, Sep. 2019-Present)
- M.S. Lehigh University**, Civil Engineering, Concentration: Hydraulics & Water Resources (May 2009),  
Thesis: *Determining Hydraulic Parameters and Modeling 3-Dimensional Dispersivity in Meso-Scale (10m) Unconfined Groundwater Tank*, GPA: 4.00
- B.S. Lehigh University**, Civil Engineering, Minor: German (Highest Honors May 2008), GPA: 3.84

### Professional Employment

- **Lecturer & Researcher** – Khon Kaen University, Faculty of Public Health                      Sept. 2014 - Present
- **Environmental Engineer** – CDM Smith    Oct. 2009 – Dec. 2015

### Relevant Publications

- Thongdam, S. **Kuster, A.C.**, Huser, B.J., Kuster, A.T. (Under Review). Low Dose Coagulant and Local Soil Ballast Effectively Remove Cyanobacteria (Microcystis) from Tropical Lake Water without Cell Damage. *Water*.
- **Kuster, A.C.**, Overgaard, H.J. (Under Review). A novel comprehensive metric to assess COVID-19 testing outcomes: Effects of geography, government, and policy response. *PLoS ONE*.
- Junggoth, R., **Kuster, A.C.** (In Press). Performance of Solar Greenhouse Sand Drying Beds in Fecal Sludge Heating and Drying and Inactivation of *Opisthorchis viverrini* Eggs during Winter in Thailand. *Suranaree Journal of Science and Technology*
- **Kuster, A.C.**, Kuster, A.T., Huser, B.J. (2020). A Comparison of Aluminum Dosing Methods for Reducing Sediment Phosphorus Release in Lakes. *Journal of Environmental Management* 261
- Kuster, A.T., **Kuster, A.C.**\* (2017). Characterization of Water Quality among Direct and Delayed Wet-Weather Flows in Urban Combined Sewer Catchment of Thailand. *Songklanakarin Journal of Science and Technology*, Vol. 39(4), 497-507.
- Kuster, A.T., **Kuster, A.C.**\* (2017). Calibration of Parsimonious Water Quality Model to Estimate Seasonal TSS Loading in Combined Sewer System: Case Study in Khon Kaen, Thailand. *Asia-Pacific Journal of Science and Technology*, Vol. 22(2).
- Kuster, A.T., **Kuster, A.C.**, Klaiklang, R. (2015). Self-Representations of Quality of Life and Anxiety of Blue-Collar Workers, Khon Kaen, Thailand. *Journal of Health Research*, Vol. 29(6), 449-56.
- Kuster, A.T., Saengsuwan, J., Krailang, R., Nilvarangkul, K., **Kuster, A.C.** (2014). A Study of Health-Related Quality of Work Life and Work-Related Anxiety among Industrial Workers with High Levels of Anxiety in Northeast Thailand. *Quality of Life Research*, Vol. 23, 115-6.
- **Kuster, A.C.** (2008). From Control to Management: Changes in Dutch Flood Mitigation, *Perspectives on Business and Economics* Vol. 26: 65-75.

### **Periodical Publications**

- **Kuster, A.C.** (2020). "Universal coverage without universal testing: Thailand's delays in access to testing may be costly." *New Mendala*. March 23, 2020.
- **Kuster, A.C.** (2020). "Flying blind: What Thailand should learn from its neighbors to fight COVID-19." *Isaan Record*. March 19, 2020.
- **Kuster, A.C.** (2020). "Why we should care that Isaan's lakes are green." *Isaan Record*. Jan. 4, 2020.

### **Editing Experience**

- **Faculty of Public Health, Khon Kaen University** approx. 50 abstracts
- **Institute for Future Studies for Development Journal: Editor**
- **Freelance** approx. 10 manuscripts

### **Reviewer Experience**

- **Applied Environmental Research** 3 peer reviews
- **East Asia Forum** 1 peer review

### **Languages**

- English, Native Proficiency (Proficiency)
- German, Minimum Professional Proficiency (Upper Intermediate)
- Thai, Minimum Professional Proficiency (Upper Intermediate)