



Jitiporn Wongwatcharapaiboon, PhD

Faculty of Architecture and Planning, Thammasat University
www.tds.tu.ac.th

T. +66 (0) 2986 9434, +66 (0) 2986 9605-6 #4031

F. +66 (0) 2986 8067

E. jitiporn@ap.tu.ac.th

Specializations

- Environmental Technology
- Sustainable Energy
- Indoor Air Quality
- Natural Ventilation

Professional Experience

- Head of Researcher in “Creative Waste Innovation Hub in Thailand” (2018 - Present)
- Lecturer, Design Business Technology Management Program, Faculty of Architecture and Planning, Thammasat University (2017 - Present)
- Head of Research and Development Department, Krajokrunpetch, Co, Ltd (2017 - Present)
- Researcher of Energy Efficiency in Residential Buildings Projects (2009-2010)
- Assistant Consultant of Natural Ventilation, Lighting and Green Buildings Evaluation for Energy Efficiency (2006-2008)

Educations

- PhD in Sustainable Energy Technology, University of Nottingham, United Kingdom, 2017
- Master of Architecture (Building Technology), Thammasat University, Thailand, 2008
- Master of Science (Architecture), Thammasat University, Thailand, 2006

Publications

- Wongwatcharapaiboon, J., Gan, G. & Riffat, S. B. 2018. A New Air PM2.5 Filtrative Lamp with A Combination of Fabric and TiO₂ Coating Mop. *17th International Conference on Sustainable Energy technologies (SET2018)*. Wuhan, China.
- Wongwatcharapaiboon, J. 2017, 'Experimental investigations of indoor air particular matter in hot and humid climates'. PhD thesis, University of Nottingham, <http://eprints.nottingham.ac.uk/41531/1/Thesis%20Jitiporn%20%28final%20version%29.pdf>
- Wongwatcharapaiboon, J., Gan, G. & Riffat, S. B. 2014. Monitoring of PM2.5 concentrations in residential and office buildings in Shanghai. *13th International Conference on Sustainable Energy technologies (SET2014)*. Geneva, Switzerland.
- Wongwatcharapaiboon, J., Gan, G. & Riffat, S. B. 2013. A Critical Review of Indoor Air Quality in Hot and Humid Climate. *12th International Conference on Sustainable Energy technologies (SET2013)*. Hongkong, China.
- จิตทิพร วงศ์วัชรไพบูลย์, อรรถจัน เศรษฐบุต, เฉลิมวัฒน์ ตันตสวัสต์, ดารณี จารีมิตร, & สุตาวารณ์ 4. นครปฐม.
- จิตทิพร วงศ์วัชรไพบูลย์, อรรถจัน เศรษฐบุต, เฉลิมวัฒน์ ตันตสวัสต์, ดารณี จารีมิตร, & สุตาวารณ์ , ๕(1), 92-105.

Professional Projects

- Head of Researcher "Creative Waste Innovation Hub in Thailand" Cross-disciplinary Project between Thammasat University and University of Cambridge (2018 - Present)
- "The Research of Energy Efficiency for Low Cost Residential Buildings within Climatic Conditions" Project by National Housing Authority (2009-2010)
- "Synthesizing Knowledge of Architectural Design and Technology in Residential Building" Project by National Housing Authority (2009-2010)
- "Green Building Benchmark in Thailand" project by Department of Alternative Energy Development and Efficiency (2008-2009)
- Natural Ventilation and Lighting Evaluation for Plamer & Turner (Thailand) Ltd and the project of HOMEWORK (Bangbuathong) by M.A.A.R Co, Ltd (2008)
- Natural Ventilation Evaluation for Central Plaza, Srinakarin (2008)
- LEED- Green Building Evaluation for Ngenma, Co, Ltd (2006)