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QUALIFICATION:

**PhD in Mechanical Engineering**, Universiti Putra Malaysia (UPM)

**MSc in Energy Engineering**, Universiti Putra Malaysia (UPM)

**BEng (Hons) in Mechanical Engineering**

PROFESSIONAL MEMBERSHIP:

**Chartered Engineer**, Engineering Council, United Kingdom (ECUK), Registration Number: 626550

**Corporate Member**, Institution of Mechanical Engineers, UK (IMechE), Registration Number: 80244210

**Professional Engineer with Practising Certificate**, Board of Engineers Malaysia (BEM), Registration Number: C115138

**Corporate Member**, The Institution of Engineers Malaysia (IEM), Registration Number: M23766

**Green Building Index Facilitator** (GBIF), Registration Number: GBIF/0843

EXPERTISE AREA

**Indoor Environmental Quality (IEQ)**

**Energy Efficiency**

**Building Services Engineering**

PUBLICATION

JOURNAL ARTICLE

**Qi Jie Kwong**, Shun Jie Kho, Jamalunlaili Abdullah and Vijay R. Raghavan (2017), Evaluation of energy conservation potential and complete cost-benefit analysis of the slab-integrated radiant cooling system: A Malaysian case study, *Energy and Buildings*, Vol. 138, 165 – 174. (ISI/Scopus) Impact Factor: 2.973

**Qi Jie Kwong**, Hon Fai Chen and Azli Abd Razak (2017), Computational Simulation of indoor thermal environment in a tropical educational hall with displacement ventilation, *Pertanika Journal of Science and Technology*

**Qi Jie Kwong**, Farah Yasmin Sulaiman and Mohamad Sufian Hasim (2016), A field study of indoor air quality in a tropical refectory, *Built Environment Journal*, Vol. 13 (2), 13 – 25.

**Qi Jie Kwong**, Jamalunlaili Abdullah and W.M. Wan Mohammad (2015), Noise level and acoustic comfort in a green-rated office building, *Electrical Systems*, Special Issue 3, 89 – 98. (ISI/ Scopus)

**Qi Jie Kwong**, Nor Mariah Adam, Tezara Cionita, Vijay R. Raghavan and M. Fareq Abd Malek (2014), Indoor air quality assessment in a radiantly cooled tropical building: A case study, *Iranian Journal of Public Health*, Vol. 43 (3), 89 – 93. (ISI/ Scopus) Impact Factor: 0.576

**Qi Jie Kwong**, Nor Mariah Adam and B.B. Sahari (2014), Thermal comfort assessment and potential for energy efficiency enhancement in modern tropical buildings: A review, *Energy and Buildings*, Vol. 68, 547 – 557. (ISI / Scopus) Impact Factor: 2.679

doi: 10.1016/j.enbuild.2013.09.034

**Qi Jie Kwong**, Mohd Afri Arsad and Nor Mariah Adam (2014), Evaluation of indoor thermal environment in a radiant-cooled –floor office building in Malaysia, *Applied Mechanics and Materials Journal*, Vol. 564, 228 – 233. (ISI/ Scopus)

doi: 10.4028/www.scientific.net/AMM.564.228

Afiq Zainuddin, Nor Mariah Adam, Ijhar Hidayat Rusli and **Qi Jie Kwong** (2014), Simulation of thermal comfort conditions of an air-conditioned cafeteria in the tropics, *Applied Mechanics and Materials Journal*, Vol. 564, 263 – 268. (ISI/ Scopus)

doi: 10.4028/www.scientific.net/AMM.564.263

Nor Mariah Adam, **Qi Jie Kwong** and Ezrin Husin (2013), Field Performance Analysis of Shoes Used in Takraw Games in Malaysia, *Journal of Physical Science and Application*, Vol. 3 (5), 316 – 327.

**Qi Jie Kwong**, Nor Mariah Adam, Ideris Hadzir and Ijhar Hidayat Rusli (2013), Assessment of energy saving potentials for protected spaces in commercial buildings, *International Journal of Energy Technology and Policy*, Vol. 9 (1), 15 – 33. (ISI / Scopus)

doi: 10.1504/IJETP.2013.055816

**Qi Jie Kwong**, Nor Mariah Adam, Sind Hoi Goh and Vijay R. Raghavan (2013), A study on energy efficiency improvement opportunities for plug loads in buildings in the equatorial regions, *Energy Procedia*, 621 – 633 (Scopus)

**Qi Jie Kwong** and Yusoff Ali (2011), A review on energy conservation potentials in tropical buildings – Perspective of enclosed common areas, *Renewable and Sustainable Energy Reviews*, Vol. 15, 4548 - 4553. (ISI/ Scopus) Impact Factor: 5.627

doi: 10.1016/j.rser.2011.07.097

**Qi Jie Kwong** and Nor Mariah Adam (2011), Perception of thermal comfort in the enclosed transitional space of tropical buildings, *Journal of Indoor and Built Environment*, Vol. 20 (5), 524 – 533. (ISI / Scopus) Impact Factor: 2.00

doi:10.1177/1420326X11411136

**Qi Jie Kwong** and Nor Mariah Adam (2010), Energy efficiency potential in tropical buildings – Perspective of an enclosed transitional zone, *International Energy Journal*, Vol.11 (3), 111 – 122. (Scopus)

**Qi Jie Kwong**, Nor Mariah Adam and Sai Hong Tang (2009), Effect of environmental comfort factors in enclosed transitional spaces toward work productivity, *American Journal of Environmental Sciences*, Vol. 5 (3), 315 – 324. (ISI / Scopus)

doi: 10.3844/ajessp.2009.315.324

**Qi Jie Kwong**, Sai Hong Tang and Nor Mariah Adam (2009), Thermal comfort evaluation of the enclosed transitional space in tropical buildings: subjective response and computational fluid dynamics simulation, Journal of Applied Sciences, Vol. 9 (19), 3480 - 3490. (ISI/ Scopus)

doi: [10.3923/jas.2009.3480.3490](https://doi.org/10.3923/jas.2009.3480.3490)

#### CONFERENCE PROCEEDINGS

**Qi Jie Kwong**, Nor Mariah Adam, Tezara Cionita, Vijay R. Raghavan and M. Fareq Abd Malek (2014), Indoor air quality assessment in a radiantly cooled tropical building: A case study, ICEOH 2014.

**Qi Jie Kwong**, Mohd Afri Arsad and Nor Mariah Adam (2014), Evaluation of indoor thermal environment in a radiant-cooled–floor office building in Malaysia, ICAM2E 2014.

**Qi Jie Kwong**, Nor Mariah Adam, B.B. Sahari (2013), Energy performance evaluation of a radiant slab cooling system in a tropical green building, 11<sup>th</sup> REHVA World Congress & 8<sup>th</sup> International Conference on IAQVEC (Clima 2013), Paper ID: 1051.

**Qi Jie Kwong**, Nor Mariah Adam, Sind Hoi Goh and Vijay R. Raghavan (2012), Miscellaneous electric loads in tropical buildings – An opportunity for energy conservation improvement, 10<sup>th</sup> Eco-Energy and Materials Science and Engineering Symposium, Ubon-Ratchathani, Thailand, 788 - 793.

**Qi Jie Kwong** and Nor Mariah Adam (2009), Improvement on applicability of PMV model for building transitional spaces in the tropics. Alternative and Renewable Energy Conference, International Advanced of Technology Congress (ATCi) PWTC, Nov 3 – 5, Malaysia.

#### RESEARCH GRANT

Grant Name	Title	Amount (RM)	Duration
BESTARI, RMI UiTM (Leader)	Adaptive Thermal Comfort Model And Energy Efficiency Improvement Potential In Radiantly Cooled Tropical Buildings	40,000	Oct 17 – Sep 19
LESTARI, RMI UiTM (Member)	The Commitment of Public Organisations Towards Sustainability in Facilities Management Practices: Public Universities in Malaysia	20,000	Jul 17 – Jun 19
RUGS, UPM (Leader)	Assessment of Thermal Comfort in Fully Enclosed Laboratories in Tropical Buildings	11,500	Sep 12 – Aug 14

#### SUPERVISION

##### MASTER BY RESEARCH

Name	Title	Status
Noor Hafiz Noordin (2015449998)	The influence of visible light transmittance (VLT) to temperature, total volatile compound (TVOC) and particulate matter (PM2.5) insude vehicle cabin	In progress

#### MASTER BY COURSEWORK

Name	Title	Status
Nurfatin Mufti (2013645394)	A study on level of resident's satisfaction towards facilities maintenance in high rise building	Completed
Farhana Mohd Zaini (2015742277)	Water efficiency improvement potential in existing Malaysian Buildings – A green initiative approach	In progress

#### CONSULTANCY SERVICES

1. Trainer/Consultant (module 11 and 12)
  - Executive diploma certificate of achievement facilities management training program between Universiti Teknologi Mara (Uitm) and Sime Darby Property Berhad (for manager level)