

KANTACHAI PAIJITYOTEE

Asian Institute of Technology (AIT), Thailand.

58 Moo 9 Phaholyothin Highway, Pathumthani 12120, Thailand.

Phone: +669 0141 0357, Email: kantachaiman@gmail.com



PROFILE

- **Date of birth:** 17 April 1997
- **Gender:** Male
- **Nationality:** Thai

EDUCATION

- **2019 - 2021 [M.Sc. Environmental Engineering and Management]**

Asian Institute of Technology (AIT), Thailand. Master Thesis: “Assessment of impacts of PM2.5 National Roadmap on Ambient ozone concentration in Bangkok Metropolitan Region, Thailand”.

- **2015 - 2018 [B.Sc. Public Health]**

Faculty of Public Health, Thammasat University (Rangsit center), Thailand. Senior Project: “Particulate matter concentrations and size distribution during the post monsoon season in Thammasat university, Rangsit Center”.

WORK EXPERIENCE

- **2021 - 2022 [Research Associate]**

Asian Institute of Technology (AIT), Thailand. National Research Council of Thailand (NRCT) Project: “Contribution of Inside and Outside-city Air pollution Sources to the PM2.5 Concentration in Bangkok”.

RESEARCH AREAS (Skill)

- Air quality modeling (e.g., HYSPLIT, WRPLOT, WRF-CAMx)
- Emission inventory development
- GIS software (e.g., QGIS, ArcGIS)
- Analysis software (e.g., SPSS, RStudio, Python)

RESEARCH INTEREST

- Remote sensing for air quality management
- Automatic air quality modeling and emission inventory
- Data Analysis/Big Data

COLLEGE ACTIVITIES

- Member of presentation team for “Prediction of next-day PM_{2.5} distribution in Bangkok Metropolitan Region, Thailand 2019” presented at the 21st Traditional Academic Conference of four Institution: Thammasat-Kasetsart-Mahidol-Royal Thai Navy 2019, Thammasat university, Thailand.
- Member of presentation team for “Particulate matter concentrations and size distribution during the post monsoon season in Thammasat university, Rangsit Center” presented at the 2nd National Environmental Conference 2019, Mahasarakham University, Thailand.
- Member of presentation team for “Health risk assessment of particulate matter exposure from different means of public transport in Bangkok, Thailand” presented at the 2nd National Environmental Conference 2019, Mahasarakham University, Thailand.
- Member of production team for a short-film entitled “Micro plastic: a tiny enemy of our health and well-being” presented at 20th Traditional Academic Conference of four Institution: Royal Thai Navy-Kasetsart-Mahidol-Thammasat 2018, Royal Thai Navy, Thailand.
- Member of production team for a short documentary entitled “Black Carbon: A Silent Killer” for the Office of Environmental Health, Department of Health Ministry of Public Health. 2018.

AWARDS

- Granted the best poster presentation for “Thunderstorm Risk Area Assessment in Thailand by GIS tool” in Environmental Academic Conference at Walailak University, Nakhon Si Thammarat, Thailand.