

## ประวัติของบุคคลากร



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6. **Education**
  - (2024) **Doctoral of Philosophy (Environmental Technology)**  
King Mongkut’s University of Technology Thonburi, Thailand
  - (2017) **Master of Engineering (Environmental Engineering)**  
Chulalongkorn University, Thailand
  - (2014) **Bachelor of Science (Fisheries) - Second Class Honors**  
Kasetsart University, Thailand
7. **Fields of specialization**
  - Wastewater Treatment
  - Biological Nutrient Removal
  - Microbial and Algal Biotechnology
  - Recirculating Aquaculture System

## 8. Research publications and conferences

### *Publications*

1. **Kunwong S.**, Satanwat P., Powtongsook S., Pungrasmi W. and Nootong K. (2021). Evaluation of modified biofloc system with filtration unit in controlling suspended solids and inorganic nitrogen concentrations in a recirculating aquaculture system. *Journal of Chemical Technology and Biotechnology*. 97: 924-932.  
<https://doi.org/10.1002/jctb.6975>
2. **Kunwong S.**, Vinitnantharat S., Powtongsook S. and Hongsthong A. (2024). Removing nutrients in recirculating aquaculture system wastewater from Nile tilapia culture via *Spirulina* cultivation: Optimizing sodium bicarbonate concentration and micronutrient supplementation.  
<https://doi.org/10.1016/j.aquaculture.2023.740110>
3. **Kunwong S.**, Vinitnantharat S. and Hongsthong A. (2025). Dilution rate caused nutrient limitation effects on the biomass composition and proteomic level of continuously cultivated *Spirulina* in recirculating aquaculture system wastewater. *Journal of Water Process Engineering*. 69:106734.  
<https://doi.org/10.1016/j.jwpe.2024.106734>

### *Conferences*

1. **Kunwong S.**, Tapaneeyaworawong P., Pungrasmi, W. and Powtongsook, S. (2016). Ammonia removal, nitrate accumulation and oxygen consumption rates of biofloc from recirculating aquaculture system with two stage acclimation. The 42nd Congress on Science and Technology of Thailand (STT 42), November 30 – December 2, 2016 at Centara Grand at Central Plaza Ladprao, Bangkok, Thailand. (Oral presentation)