



## Curriculum Vitae

Institute of Nutrition, Mahidol University (INMU)

999 Phutthamonthon 4 Rd., Salaya, Phutthamonthon

---

**Name** Worakrit Saiyasombat  
วรกรฤต ไสยสมบัติ

**E-mail address** worakrit.sai@mahidol.ac.th

**Current position** Researcher, Institute of Nutrition, Mahidol University

### Education

**2016 – 2022** Ph.D. (Chemistry), Faculty of Science, Mahidol University, Thailand

**2012 – 2016** B.Sc. (Chemistry), Faculty of Science, Khon Kaen University, Thailand

### Research Interest and Expertise

Development of organic dyes for fluorescent chemosensors, molecular imaging, and molecular therapy.

### Research Experiences

- Postdoctoral Researcher, Molecular Imaging and Photodynamic Therapy, Supervisor: Assoc. Prof. Dr. Anyanee Kamkaew (School of Chemistry, Suranaree University of Technology, Thailand)
- Visiting Researcher, Fluorescent probes for the recognition of rare earth elements, Supervisor: Prof. Jan J. Weigand (Technische Universität Dresden, Dresden, Germany)
- Visiting Researcher, Organic materials for organic light-emitting diodes (OLEDs), Supervisor: Asst. Prof. Dr. Rukkiat Jitchati (Ubon Ratchathani University, Ubon Ratchathani, Thailand)

### Training

- Basic Nuclear Magnetic Resonance (NMR) Training Course by Mahidol University Frontier Research Facility, Thailand
- Training course on biosafety & chemical safety for graduate students by Faculty of graduate studies, Mahidol university, Thailand



## Curriculum Vitae

Institute of Nutrition, Mahidol University (INMU)

999 Phutthamonthon 4 Rd., Salaya, Phutthamonthon

---

### Publications

#### International

1. Pewklang, T.; **Saiyasombat, W.**; Chueakwon, P.; Ouengwanarat, B.; Chansaenpak, K.; Kampaengsri, S.; Lai, R.-Y.; Kamkaew, A. Revolutionary Pyrazole-based Aza-BODIPY: Harnessing Photothermal Power Against Cancer Cells and Bacteria. *ChemBioChem*. **2023**, e202300653.
2. **Saiyasombat, W.**; Eiamprasert, U.; Chantarojsiri, T.; Chainok, K.; Kiatisevi, S. Bis-BODIPY-Based Fluoride and Cyanide Sensor Mediated by Unconventional Deprotonation of C–H Proton. *Dyes Pigm.* **2022**, 206, 110643.
3. **Saiyasombat, W.**; Nuchpun, S.; Katewongsa, K. P.; Pornsuwan, S.; Weigand, J. J.; Kiatisevi, S. A Turn-on Bis-BODIPY Chemosensor for Copper Recognition Based on the in-Situ Generation of a Benzimidazole-Triazole Receptor and Its Applications in Bioimaging. *New J. Chem.* **2022**, 46, 22525–22532.
4. **Saiyasombat, W.**; Kiatisevi, S. Bis-BODIPY Linked-Triazole Based on Catechol Core for Selective Dual Detection of Ag<sup>+</sup> and Hg<sup>2+</sup>. *RSC Adv.* **2021**, 11, 3703–3712.