

Chaipat Lapinee



Contact

Address:

Department of Chemistry, School of Science, University of Phayao, Thailand, 56000

Phone:

+66 (0)91 067 6427

Email:

chaipat.la@up.ac.th
Chaipat Lapinee-Google Scholar

LinkedIn:

[linkedin.com/chaipat-lapinee](https://www.linkedin.com/in/chaipat-lapinee)

Languages

English IELTS 6.5

Hobbies

- Traveling
- Photography
- Surfing
- Writing

Summary

Analytical chemistry lecturer. Current project funded by NSTDA focuses on anti-malarial molecular drug interaction for future malaria and cancer treatments. International project (UK project) aims to synthesize novel metal oxides, oxyanion interaction analysed by XANES and EXAFS (Synchrotron light) and a vibrated gold microwire electrode for oxyanion detection.

Skill Highlights

- Synchrotron based X-ray spectroscopy
- Electrochemistry
- Trace metal analysis
- Metal oxides and drug interaction
- Malarial treatment insight

Experience

Research project - 2014 to 2021

- Visiting researcher and Head project (NSTDA funding), Heme and antimalarial drug interaction (Binding affinity and Thermodynamic parameters) supported by Protein-Ligand Engineering and Molecular Biology Lab, BIOTEC, NSTDA, Thailand.
- Invited lecturer and speaker, Multiomics study and system medicine: Metabolomics and beyonds, Faculty of Medicine, Siriraj Hospital, Mahidol University, Thailand.
- Research team, Development of Imperial College London Arsenic resin (ImpAsResin), Column and breakthrough volume studies, EPSRC, Imperial College London, UK.
- Research team, Arsenic and mercury in bird feathers detected by a gold microwire electrode, Natural History Museum, London, UK.
- Research team, Photocatalysts (Full proposal), Diamond Synchrotron Light, Harwell Campus Oxford, Oxford, UK.
- Research team, Effect of synthesis and pH on Oxyanion binding mode, (Rapid Access Proposal), Diamond Synchrotron Light, Harwell Campus Oxford, Oxford, UK.

Education

Doctor of Philosophy: PhD (Chemistry), Imperial College London, 2016, United Kingdom

Certifications

Postdoctoral research associate, Department of Earth Science and Engineering, Department of Chemistry, Imperial College London (EPSRC project), 2016-2017.