

Curriculum Vitae

Personal details

Last name: Napaumpaiporn **Name:** Pornpan

Date of birth: January 1st, 1990 **Place of birth:** Bangkok

Nationality: Thai

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Academic background

2021-2024: Doctor of Philosophy; GPA:4.00

Graduate School of Science and Engineering, Saitama University

Thesis title: Enhanced tolerance of photosystem II to strong light and high temperature via reinforcement of translation and antioxidation systems in *Synechocystis* sp. PCC 6803

2013-2016: Master's degree of Science (Genetics); GPA: 3.96

Department of Genetics, Faculty of Science, Kasetsart University

Thesis title: Involvement of Reactive Oxygen Species and Anti-oxidants in Heat Acclimation in the Green alga *Chlamydomonas reinhardtii*

2008-2011: Bachelor's degree of Science (Biology); GPA: 3.28

Department of Genetics, Faculty of Science, Kasetsart University

Professional experience

April 2016 – August 2021: Department of Genetics, Faculty of Science, Kasetsart University

Position: Research Assistant

Research Projects: Molecular characterization of cell wall-related gene in *Arabidopsis* and Characterization of the autophagy pathway in rice under the supervision of Dr. Supachai Vuttipongchikij and Dr. Anongpat Suttangkakul

April 2012 - June 2013: Division of Dengue Hemorrhagic Fever Research, Medical Molecular Biology Unit (MMBU), Office for Research and Development, Faculty of Medicine, Siriraj Hospital (Mahidol University)

Position: Research Assistant

List of publications

1. Napaumpaiporn P. and Sirikhachornkit A. (2016) Effects of high temperature on carotenoid accumulation and gene expression in the model green alga *Chlamydomonas reinhardtii*, *Chiang Mai J. Sci.* 43(3): 452-460
2. Napaumpaiporn P., Ogawa T., Sonoike K., Nishiyama Y. (2024) Improved capacity for the repair of photosystem II via reinforcement of the translational and antioxidation systems in *Synechocystis* sp. PCC 6803. *The Plant Journal* 117: 1165-1178
3. Suka A., Shikata T., Yuasa K., Tomaru Y., Napaumpaiporn P., Tanaka R., Nishiyama Y. (2024) The toxigenic red-tide-forming dinoflagellates *Alexandrium leei* and *Alexandrium catenella* differ in terms of the sensitivity to strong light and low temperature of their photosynthetic machinery. *Algal Res.* 79: 103495

Referees

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