

Patcha YANPIRAT

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Education

- Ph.D. (Agriculture) Graduate School of Environmental and Life Science, Okayama University, Okayama, Japan. Sep 2020.
Dissertation: Lanthanide-dependent methylotrophic pathway in *Methylobacterium aquaticum* strain 22A
Advisor: Associate Professor Akio Tani, Ph.D.
- M.S. (Botany) Department of Botany, Faculty of Science, Kasetsart University. Jan 2017.
Thesis: Phytochemistry and Antifungal Properties of *Wedelia biflora* (L.) DC against Anthracnose Disease in Tropical Fruits
Advisor: Associate Professor Srunya Vajrodaya, Dr. rer. nat.
- B.S. (Biology) Department of Botany, Faculty of Science, Kasetsart University. Mar 2013.
Special Problem: Antifungal activity of *Persicaria odorata* extract against anthracnose caused by *Colletotrichum capsici* and *Colletotrichum gloeosporioides*.
Advisor: Associate Professor Srunya Vajrodaya, Dr. rer. nat.

Publications

- Patcha Yanpirat, Yukari Nakatsuji, Shota Hiraga, Yoshiko Fujitani, Terumi Izumi, Sachiko Masuda, Ryoji Mitsui, Tomoyuki Nakagawa, and Akio Tani. 2020. Lanthanide-dependent methanol and formaldehyde oxidation in *Methylobacterium aquaticum* strain 22A. *Microorganisms* 8(6): 822. Indexed in Scopus, PubMed. (Refereed). doi: 10.3390/microorganisms8060822.
- Patcha Yanpirat and Srunya Vajrodaya. 2015. Antifungal activity of *Persicaria odorata* extract against anthracnose caused by *Colletotrichum capsici* and *Colletotrichum gloeosporioides*. *Malaysian Applied Biology Journal*, 44(3): 69-73. Indexed in Scopus.
- Patcha Yanpirat, Netnapis Khewkhom, Decha Duangnamon, and Srunya Vajrodaya. 2015. Phytochemistry and antifungal properties of *Wedelia biflora* (L.) DC. against anthracnose in mango caused by *Colletotrichum gloeosporioides*, pp. 271-279. *In Proceedings of the 9th Botanical Conference of Thailand*, June 2015, Bangkok, Thailand.

Presentations

- Patcha Yanpirat and Akio Tani. Lanthanide-dependent methylotrophic pathway in *Methylobacterium aquaticum* strain 22A. *The 2020 Annual Meeting of The Japan Society for Bioscience, Biotechnology, and Agrochemistry*. March 25-28, 2020. Hakata, Japan. (Oral, proceedings published)
- Patcha Yanpirat and Akio Tani. Lanthanide-dependent methylotrophic pathways in *Methylobacterium aquaticum* 22A. *The 11th Asian Symposium on Microbial Ecology*. May 11-13, 2019. Taichung, Republic of China. (Poster)

Patcha Yanpirat and Akio Tani. Lanthanide-dependent formaldehyde oxidation pathways in *Methylobacterium aquaticum* strain 22A. *The 2019 Annual Meeting of The Japan Society for Bioscience, Biotechnology, and Agrochemistry*. March 24-27, 2019. Tokyo, Japan. (Oral presentation)

Patcha Yanpirat and Akio Tani. Formaldehyde oxidation in lanthanide-dependent methylotrophy in *Methylobacterium aquaticum* strain 22A. *Bioactive Okayama 2018*. October 16, 2018. Okayama, Japan. (Poster with short speech)

Patcha Yanpirat and Akio Tani. Multiple formaldehyde oxidation pathways in *Methylobacterium aquaticum* strain 22A. *32nd Annual Meeting of Japanese Society for Microbial Ecology*. July 11-13, 2018. Okinawa, Japan. (Poster)

Patcha Yanpirat and Srunya Vajrodaya. Antifungal activity of *Persicaria odorata* (Lour.) Sojak extract against anthracnose cause by *Colletotrichum capsici* and *Colletotrichum gloeosporioides*. *The International Kasetsart University Science and Technology Annual Research Symposium*. March 28-29, 2013. Bangkok, Thailand. (Poster)

Awards and Funding

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