

CV for Assistant Prof. Arunothai Jampeetong, Ph.D.

Present position

Asst. professor of Botany at Department of Biology, Faculty of Science, Chiang Mai University, Thailand.

Appointments

NATIONAL

Member of the Botanical Society under the Royal Patronage of Her Majesty the Queen and The Botanical Garden Organization, 2012-present.

INTERNATIONAL

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Supervision

Since 2009, main supervisor for 16 BSc (special project) student, 8 MSc thesis students, 2 PhD student and co-supervisor for 4 PhD students.

Teaching

Lecturer in general biology, plant taxonomy, plant morphology, plant anatomy, aquatic plant, economic botany, industrial botany and forensic botany.

Research

KEY WORDS

Plant morphology & anatomy, ecophysiology of aquatic plant, plant nutrition, nitrogen uptake

CURRENT PROJECTS

Effects of wastewater on root structure and radial oxygen loss from roots of four selected tropical wetland plants

Autecology of Selaginellata mariscina (P. Beauv.) Spring in Thailand for conservation and utilization.

Publications

Since 2008, I have produced thirty four scientific contributions. Twenty-five of these have been published in international journals (peer reviewed journals). H-index: 9, no. of citations: 356.

Google Scholar: <https://scholar.google.com/citations?user=NA2qzgUAAAAJ&hl=en>

Scopus: <https://www.scopus.com/>

Internation publications

1. Pincam, T., Brix, H., Eller, F., **Jampeetong, A.***. 2017. Hybrid Napier grass as a candidate species for bio-energy in plant-based water treatment systems: Interactive effects of nitrogen and flooding depth. Aquatic Botany (In press).

2. Tarvorasak, V., Piwpuan, N., **Jampeetong, A.***. 2016. Responses and tolerance to high ammonium levels of hybrid Napier grass (*Pennisetum purpureum* x *Pennisetum americanum* cv. Pakchong 1): Assessing the Potential for Water Treatment and Agricultural Management in Southeast Asia. *Chiang Mai Journal of Science* 43: 1059-1069.
3. **Jampeetong, A.***, Muenrew, J. 2016. Interactive effects of NH₄⁺ concentration and O₂ availability on growth, morphology, and mineral allocation of hybrid Napier grass (*Pennisetum purpureum* x *P. americanum* cv. Pakchong1). *Ecological Engineering*, 91: 409-418.
4. **Jampeetong, A.***, Sripakdee, T, Khamphaya, T., Chairuang Sri, S. 2016. Responses on growth, morphology and symbiont (*Anabaena azollae*) of *Azolla pinnata* R. Brown to nitrogen form and concentration. *Chiang Mai University Journal of Natural Sciences*, 15 (1): 11-20.
5. Suwanpakdee, S., Gutierrez, R., Pithakpol, S., **Jampeetong, A.***, Pathom-aree, W., Nomura, N., Itayama, T., Whangchai, N. 2016. Earthy-musty Odour and Off-flavour Taints in Phayao Lake, Thailand. *Chiang Mai Journal of Science*, 43: 1076-1085.
6. Osathanunkul, M., Suwannapoom, C., Singtonat, S., Poomipoo, N., **Jampeetong, A.***, Madesis, P. 2015. Rapid analysis for the identification of the seagrass *Halophila ovalis* (Hydrocharitaceae). *African Journal of Biotechnology*, 14 (8): 649-656.
7. Osathanunkul, M., Madesis, P., Ounjai, S., Suwannapoom, C., **Jampeetong, A.*** 2015. Rapid discrimination between four seagrass species using hybrid analysis. *Genetics and molecular research*, 14(2): 3957-3963.
8. **Jampeetong, A.***, Brix, H., Kantawanichkul, S. 2014. Effect of inorganic form on growth, morphology, N uptake, and nutrient allocation in hybrid Napier grass (*Pennisetum purpureum* x *Pennisetum americanum* cv. Pakchong 1). *Ecological Engineering*, 73: 653-658.
9. Khuankaew, S., Srithi, K., Tiansawat, P. **Jampeetong, A.**, Inta, A., Wangpakapattanawong, P. 2014. Ethnobotanical study of medicinal plants used by Tai Yai in northern Thailand. *Journal of Ethnopharmacology*. 151:829-38.
10. Junsongduang, A., Balslev, H., Inta, A., **Jampeetong, A.**, Wangpakapattanawong, P. 2014. Karen and Lawa medicinal plant use: Uniformity or ethnic divergence?. *Journal of ethnopharmacology*, 151: 517-27.
11. Chairuang Sri, S., Whangchai, N., **Jampeetong, A.*** 2014. Responses of Water Spinach (*Ipomoea aquatica* Forssk.) on Growth, Morphology, Uptake Rate and Nutrients Allocation under High Ammonium Concentration. *Chiang Mai Journal of Science*, 41: 324-333.
12. Piwpuan, N., **Jampeetong, A.**, Brix, H. 2014. Ammonium tolerance and toxicity of *Actinoscirpus grossus*-a candidate species for use in tropical constructed wetland systems. *Ecotoxicology and Environmental Safety*, 107: 319-328.
13. Suksathan, R., Anuntalabhochai, S., **Jampeetong, A.** Sookkhee, S., Chansakaow, S. 2014. A Phylogenetic analysis of Thai *Hedychium* (Zingiberaceae) and development of SCAR marker for *Hedychium falvescens* Carey ex Roscoe. *Chiang Mai Journal of Science*, 41: 286-297.
14. Junsongduang, A., Balslev, H., Inta, A., **Jampeetong, A.**, Wangpakapattanawong, P. 2013. Medicinal plants from swidden fallows and sacred forest of the Karen and the Lawa in Thailand. *Journal of Ethnobiology and Ethnomedicine*, 9: 1-10.
15. **Jampeetong, A.***, Konnerup, D., Piwpuan, N., Brix, N.. Interactive effects of nitrogen form and pH on growth, morphology, N uptake and minerals contents of *Coix lacryma-jobi* L. *Aquatic Botany*, 11: 144-149.

16. Boonrueng, N., Anuntalabhochia, S., **Jampeetong, A.***. 2013. Morphological and anatomical assessment of KDML 105 (*Oryza sativa* L. spp. *indica*) and its mutants induced by low-energy ion beam. *Rice Science*, 20 (3): 213-219.
17. **Jampeetong, A.***, Brix, H., Kantawanichkul, S. 2012. Response of *Salvinia cucullata* to high NH_4^+ concentrations at laboratory scales. *Ecotoxicology and Environmental Safety*, 79: 69-74.
18. **Jampeetong, A.***, Brix, H., Kantawanichkul, S. 2012. Effects of inorganic nitrogen forms on growth, morphology, nitrogen uptake capacity and nutrient allocation of four tropical aquatic macrophytes (*Salvinia cucullata*, *Ipomoea aquatica*, *Cyperus involucratus* and *Vetiveria zizanioides*). *Aquatic Botany*, 97: 10-16.
19. Saunkaew, P., Wangpakapattanawong, P., **Jampeetong, A.***. 2011. Growth, morphology, ammonium uptake and nutrient allocation of *Myriophyllum brasiliense* Cambess. under high NH_4^+ concentrations. *Ecotoxicology*, 20: 2011-8.
20. **Jampeetong, A.*** 2010. The interactive effects of inorganic carbon and light on a tropical submerged macrophyte: *Egeria densa* Planchon (Hydrocharitaceae). *Chiang Mai Journal of Science*, 37 (3): 528-535.
21. **Jampeetong, A.***, Brix, H. 2009. Nitrogen nutrition of *Salvinia natans*: Effects of inorganic nitrogen on growth, morphology, nitrate reductase activity and uptake kinetics of ammonium and nitrate. *Aquatic Botany*, 90: 67-73.
22. **Jampeetong A.***, Brix, H. 2009. Effects of NH_4^+ concentration on growth, morphology and NH_4^+ uptake kinetics of *Salvinia natans*. *Ecological Engineering*, 35: 695-702 .
23. **Jampeetong A.***, Brix, H. 2009. Oxygen stress in *Salvinia natans*: Interactive effects of oxygen availability and nitrogen source. *Environmental and Experimental Botany*, 66 (2): 153-159.
24. **Jampeetong, A.***, Brix, H. 2009. Effects of NaCl salinity on growth, morphology, photosynthesis and proline accumulation of *Salvinia natans*. *Aquatic Botany*, 91: 181-186.
25. Hansen, L.D., Lambertini, C., **Jampeetong, A.**, Brix, H. 2007. Clone-specific differences in *Phragmites australis*: Effect of ploidy level and geographic origin. *Aquatic Botany*, 86: 269-279.

Nation publications (in Thai)

1. Boonrueng, N., **Jampeetong, A.***. 2016. Seed morphology and epidermal anatomy of leaf and glume of rice landrace Bue Po Lo in Mae Hong Son province. *Thai Journal of Botany* 8 (2) (In press).
2. Poomipoo, N. Boonphienphol, S., **Jampeetong, A.***. 2014. Comparative anatomy of leaf-surface and rhizome cross-section in 5 seagrass species from Andaman sea coast of Thailand. *Thai journal of Botany.*, 6: 43-52.
3. Suankeaw, P., Chairungsri, S. and **Jampeetong, A.***. 2013. Effects of cadmium concentration on growth and cadmium accumulation from synthetic wastewater of *Cabomba caroliniana* A. Gray. *Thai Journal of Botany*, 5: 161-171.
4. Khuankaew, S., Wangpakapattanawong, P. and **Jampeetong, A.***. 2013. Relationship of Tai Yai livelihood and biodiversity to traditional knowledge. *KKU Science Journal*, 41: 298-308.
5. Preeyarat, S. and **Jampeetong, A.***. 2012. Aerenchyma: tissue formation, patterns and its function. *Thai Journal of Botany*, 4: 125-138.

6. **Jampeetong, A*.,** Pongchairach, O., Chairuangri, S. 2011. Succession of aquatic plants in the canal connected to Mae Ngad Somboon Chol dam, Mae Tang district, Chiang Mai province. *Thai Journal of Botany*, 3: 53-61.
7. Champrasert, S., Chairuangri, S*., **Jampeetong, A*.** 2011. Effects of cadmium from synthetic wastewater on growth of *Egeria densa* Planch. and *Cabomba caroliniana* A. Gray. *Thai journal of Botany*, 3: 45-52.
8. **Jampeetong, A*.,** Chairuangri, S. 2011. Aquatic macrophytes: The important roles in wastewater treatment. *KKU Science Journal*. 39 (2): 182-192.