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Plants response to air pollution, Effects of elevated ozone and carbon dioxide on plant physiology change, Plant defense mechanisms response to abiotic and biotic stresses. Open Top Chamber for global warming effects on rice yield.

Recent publications

Pasagorn Samol, **Chanin Umponstira**, Pantip Klomjek and Pajaree Thongsanit, (2015) **Responses of rice yields and grain quality to high temperature in open top chamber for future global warming in Thailand**, Australian Journal of Crop Science 9(9): 886-894

Robbie Weterings, **Chanin Umponstira**, and Hannah L. Buckley (2014) **Container-breeding mosquitoes and predator community dynamics along an urban-forest gradient: the effects of habitat type and isolation**, Basic and Applied Ecology 15 : 486–495

Yu Ya Aye, Savent Pampasit, **Chanin Umponstira**, Kanita Thanacharoenchanaphas and Nophea Sasaki (2014) **Floristic Composition, Diversity and Stand Structure of Tropical Forests in Popa Mountain Park**, Journal of Environmental Protection, 5: 1588-1602.

Yoshihisa Kohno, Hideyuki Matsumura, Makato Miwa, Tetsushi Yonekura, Keiji Aihara, **Chanin Umponstira**, Vo Thanh Le, Nguyen Thuy Ngoc, Phanm Hung Viet and Ma Wei. (2012) **Indirect prediction of surface ozone concentration by plant growth responses in East Asia using mini-open top chambers** , Environmental Monitoring and Assessment, Published online July 2012