

Curriculum Vitae

KAMOLCHANOK UMNAJKITIKORN

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EDUCATION

- 2013-present **Ph.D. student in Horticulture and Agronomy Graduate Group,**
University of California, Davis.
- 2008-2012 **Bachelor of Science (Biology), (First Class Honor with Biochemistry
and biochemical technology as a minor subject)**
Chiang Mai University, Chiang Mai, THAILAND (GPA=4.00).

SCHOLLARSHIPS

- Nov. 2013-present **Full-Graduate-Scholarship to Study Aboard under the Development
and Promotion of Science and Technology Talents Project (DPST),**
IPST, the Royal Thai Government, THAILAND
- 2008-2012 **Development and Promotion of Science and Technology Talents
Project (DPST)** jointly administered by the Ministry of Science and
Technology, the Ministry of Education and the Institute for the Promotion
of Teaching Science and Technology (IPST), THAILAND

PRESENTATION

- 2012 Oral and Poster presentation: **“Antioxidant activities and growth of
two rice cultivars (*Oryza sativa* L.) germinating seeds under NaCl
stress”** in the 7th Conference on Science and Technology for Youth,
BITEC, Bang Na, Bangkok, THAILAND, May 2-4, 2012.

PUBLICATION

- Umnajkitikorn K,** Faiyue B, Saengnil K (2013) Enhancing Antioxidant Properties of
Germinated Thai rice (*Oryza sativa* L.) cv. Kum Doi Saket with Salinity. *J Rice Res*
1:103. doi: 10.4172/jrr.1000103

RESEARCH EXPERIENCES

- Nov. 2013-present Participate in genotyping and phenotyping transgenic *Brachypodium
distachyon* and *Brachypodium sylvaticum* to generate abiotic tolerant
lines, Blumwald Lab, Plant Reproductive Biology Facility, UC Davis, CA
- Gained Skills:** Genomic DNA extraction, PCR/qPCR, Gel electrophoresis
- 2009-2012 Undergraduate student in Asst. Prof. Dr. Kobkiat Saengnil's Lab.
Senior Project Topic: Antioxidant activities and growth of glutinous
rice seeds during germination under NaCl stress

Gained Skills: ABTS and DPPH antioxidant capacities, Antioxidant enzyme activities (Catalase and Ascorbate peroxidase), Total phenolic content.

Side project: Elevate chilling tolerant in mango fruits and reduce browning injury in longan fruits.

Gained Skills: Total antioxidant capacities, Antioxidant enzyme activities, Total phenolic content, Lipid peroxidation (eg. TBARS) Total soluble solid, Titratable acid, Firmness and color measurement by chromometer.

ACADEMIC ACTIVITIES

- 2012 Visiting student at Life Sciences and Bioengineering, Graduate School of Life and Environmental Sciences, University of Tsukuba, Tsukuba, Ibaraki, JAPAN, June 5-19, 2012. (Prof. Dr. Hiroshi Matsumoto's Lab)
- 2012 Teaching assistant training program, Department of Biology, Faculty of Science, Chiang Mai University, Chiang Mai, THAILAND.
- 2012 Staff of 26th DSTP summer camp, Chiang Mai University, Chiang Mai, THAILAND, May14-18, 2012.
- 2008-2010 Staff of the voluntary integrated Science Camp, Chiang Mai, THAILAND.
- 2009 Biology tutor of Academic club, Faculty of science, Chiang Mai University.
- 2009 Research assistant in Research summer camp for youth in northern, Academic club, Faculty of science, Chiang Mai University.

COMPUTER ABILITY

Microsoft Office (Word, Excel and PowerPoint), Internet, Adobe Photoshop, Window movie maker, SPSS, SAS

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