

Shoko Hikosaka (PhD)

Laboratory of Environmental Control Engineering, Graduate School of Horticulture, Chiba University, 648 Matsudo, Chiba 271-8510, Japan

Tel. +81 47308 8842, E-mail: s-hikosaka@faculty.chiba-u.jp



Associate Professor Hikosaka obtained a BS, Master and Doctoral degree in Horticultural Sciences from Chiba University. After 5 years of research work as an assistant professor at the University of Tokyo, she has been working at Chiba University. Her main research topics are ‘efficient plant production under controlled environment’, and ‘environmental stress for increment of target secondary metabolites’ under greenhouse and/or plant factory equipped with artificial light conditions. The plant materials for these researches are not only horticultural crops but also field crops, medicinal or herbal plants, micro-propagated plants and genetic modified plants. She has analyzed the plant responses from variety aspects, i.e., growth rate, water potential, secondary metabolites accumulation, and gene-expression. These research achievements have been reported by scientific meetings, journals, books and seminars.