

Assistant Prof. Dr. Orawan Duangphakdee:



Assistant Professor Dr. Orawan Duangphakdee specialized on behavioural adaptation and chemical ecology of bee defense against natural enemies as her Ph D. work from Chulalongkorn University. She is an intensive researcher on the survival of honeybees as related to behavioral ecology and physiology is of high relevant to Thailand and particularly the local area of Southeast Asia. Moreover her work will certainly contribute towards interest in sustainable development both in the context of forestry and bio-diversity and the rural community development. The research works include 1) the adaptation of bees to the habitat degradation and environmental changes, 2) The development of techniques to increase the production yield of beekeeping and products in agro-ecosystem apiary. 3) algorithms based on collective behavior of honeybees, e.g. intelligent foraging and swarming communication behaviors, 4) Signal communication in honeybee colonies. Dr. Duangphakdee has published several papers which, taken together, make a substantial contribution to our understanding of swarming and absconding by honeybees and the complex signal communication in honeybee hive.

Besides her several publications, Dr. Duangphakdee's works focuses strongly on the transfer of knowledge to improve the careers and living standard of people through her apicultural contributions. She has organized many workshops on apicultural technology for people in the rural area of Western Thailand.

Dr. Duangphakdee shows her particular interest in applying her knowledge and apply her knowledge and findings for application in conservation and sustainable development as well as socio-economic improvement. Together with her research extension, this will lead to the successive exploration of useful knowledge with benefits for Thailand and global community.