

Special Lecture *Applied Entomology - Insect Control-*

Lecturers:

Angsumarn Chandrapatya, Professor, Department of Entomology, Kasetsart University

Marie-Joy Schulte, Assistant Professor, Department of Phytomedicine, University of Hohenheim
Research theme: "Interactions between medicinal plants and phytophagous insects as well as tritropic interaction in the field of officinal plants."

Claus P.W. Zeibitz, Professor, Department of Phytomedicine, University of Hohenheim
Research theme: Insect-plant interactions (physiological reactions, insect performance, Multi-trophic level interactions), Insect biodiversity in agricultural ecosystems

Lecture Schedule:

Class	Theme	LECTURER	DATE	TIME	ROOM
1	<i>Introductory to acari and biodiversity</i> <ul style="list-style-type: none"> • What is Acari • Classification of Acari • How can you tell the differences between acari (mite and tick) and other arthropods • Where can you find mite and tick • Biodiversity of Acari • Collecting and preparing specimens 	Dr. Angie	11Dec. (Fri)	14:50- 16:20	Room 1, 21st Century Plaza
2	<i>Acari and human & animal welfare including agricultural mites</i> <ul style="list-style-type: none"> • Mites infecting human and animals • Hard tick and soft tick and their importance on animal welfare • Diseases caused by mites and ticks • Mites of agricultural importance including life style and their reproduction <ul style="list-style-type: none"> - Spider mite - False spider mite - Broad mite - Eriophyoid mite - Mushroom mite - Bee mite 		17 Dec. (Thu)	14:50- 16:20	Room 2, 21st Century Plaza
3	<i>Control measures for mite</i> <ul style="list-style-type: none"> • Cultural control • Chemical control • Botanical pesticides <ul style="list-style-type: none"> - Collecting and Preparation of plant parts for botanical pesticide - Extracting methods • Crude extract and bioassay on mites • Fungi and their metabolite for mite control • Symbiotic bacteria for controlling mushroom mite • Biological control agents for plant mite 		18 Dec. (Fri)	14:50- 16:20	
4	<i>Ecological background for insect biocontrol</i> <ul style="list-style-type: none"> • Food chains • Strategies in biocontrol 	Dr. Zeibitz	28 Jan. (Thu)	10:30- 12:00	
5	<i>Ecological background for insect biocontrol</i> <ul style="list-style-type: none"> • Release of antagonists and insect pathogens • Selection of appropriate antagonists • Risks of biocontrol 		28 Jan. (Thu)	13:00- 14:30	
6	<i>Examples of practical biocontrol</i> <ul style="list-style-type: none"> • Vegetable field and green house production • Ornamental production 	Dr. Schulte	18 Feb. (Thu)	10:30- 12:00	
7	<i>Examples of practical biocontrol</i> <ul style="list-style-type: none"> • Fruit production • Field management 		19 Feb. (Fri)	10:30- 12:00	

* Dr. Zeibitz and Dr. Schulte's lecture day and time are might be changed.
We will let you know if they are changed.