

First announcement

Greek-German Research and Teaching Network:
Productivity, Future and Environmental Compatibility of Protected Cultivation

- ZuGAbe -

Summer School

Cover Materials for Greenhouses



24 – 30 September 2018
University of Thessaly, Volos, Greece

**Call for Students
&
Preliminary Program**

In the framework of a collaboration project between **Hochschule Geisenheim University** (HGU) and the **University of Thessaly** (UTH) called **ZuGAbE**, a summer school on **Cover Materials for Greenhouses** will take place between the 24th and the 30th of September 2018 in the Department for Agricultural Sciences of UTH in Volos.

The ZuGAbE project (Greek-German Research and Teaching Network focusing on Productivity, Future and Environmental Compatibility of Protected Cultivation) is funded from the **DAAD** (German Academic Exchange Service) from means of the German Federal Foreign Office. The **summer school** "Cover Materials for Greenhouses" is an action within the ZuGAbE collaboration and includes for all participants **no course fees!** The official language of the summer school will be English.

From the 24th until the 27th of September, the course will focus on aspects and properties of cover materials for green houses such as light transmission, climate and pest control as well as plant responses under different cover materials, virtual plants and insect screens including a visit to a local greenhouse. On the 28th, building capacity workshops, such as scientific writing will take place; while on Sunday the 30th there will be a daytrip to Meteora.

Program Summer School "Cover Materials for Greenhouses"

	24 Sept.	25 Sept.	26 Sept.	27 Sept.	28 Sept.
9:00 - 10:30	Global situation of protected cultivation	Solar radiation & physical principles of light	Visit local greenhouse	Plant responses on light conditions	Scientific writing
11:00 - 12:30	Greenhouse structures	Photo selective cover materials & transmission		Plant responses on microclimate	Scientific writing
13:15 - 14:45	Glass & rigid plastics	Films & plastic films	Microclimatic responses to greenhouse covers	Pest control	Funding opportunities
15:00 – 16:30	Energy screens & energy efficiency	Agricultural screens, crop water use and insect penetration	Climate control	Virtual plants	Consultation

Any student, early-stage researcher (PhD, Postdocs) or young professional (technical staff and extension people with a bachelor or master degree) in the agricultural industry are eligible to apply. Applications are due to 30 June 2018 and should include a CV and a letter of motivation. The summer school is addressed to 40 persons. Participation will be assigned based on review of applications meeting the criteria of eligibility.

Please, send your application until 30 June 2018 by email to Evelyn Dimkou (evelyn.dimkou@hs-gm.de).

Scholarships of 665 €, 745 € and 905 € for bachelor, master and PhD students respectively, are available for approximately eight applicants from HGU. Granting of scholarships will be based on criteria such as number of completed semesters and marks. Additionally, there is a possibility that students receive credits for their studies due to their participation in the summer school. More information will be available in few weeks.

External lecturers

Evelia Schettini, Department of Agricultural and Environmental Science, University of Bari *Solar radiation & physical principles of light; photo selective cover materials & transmission*

Josef Tanny, Agricultural Research Organisation, Volcani Center, Tel Aviv
Insect screens

Manolis Kykrilis, Plastika Kritis - producer of masterbatches and agricultural films
Films & plastic films

Stephan Lück, Greenhouse construction and energy saving SME
Energy screens & energy efficiency

Markus Elsner, Senior Editor at Nature Biotechnology
Scientific writing

Lectures from UTH

Nikolaos Katsoulas, Associate Professor, agricultural constructions & greenhouses
Global situation of protected cultivation & plant responses on microclimate

Constantinos Kittas, Emeritus Professor, agricultural constructions
Climate control

Thomas Bartzanas, Director of Research, agricultural engineering
Microclimatic responses to cover materials

Evthimia Levizou, Assistant Professor, plant physiology
Plant responses on light conditions

Lectures from HGU

Johannes Max, Deputy Institute Director, Department of Soil Science and Plant Nutrition
Greenhouse structures & cover materials

Katrin Kahlen, Deputy Institute Director, Department of Vegetable Crops
Virtual plants

Frederik Langner, PhD, Research Associate
Cover materials & greenhouse energy efficiency

Christine Becker, Postdoc, Research Associate
Pest control

Christiane Jost, Research Administrator at HGU
Funding opportunities

For further information please contact Evelyn Dimkou (evelyn.dimkou@hs-gm.de or 0049-(0)6722-502440).