



Summer School

Greenhouse Horticulture

Wageningen University & Research is the “knowledge heart” of the Dutch Greenhouse Horticulture, which is the most advanced and productive in the world. Scientists of Wageningen University & Research will share their unique knowledge with international students and researchers during this Summer School.

Target group

This excellent and intensive Summer School is meant for PhD students, post-docs, junior scientists and professionals working in the field from all over the world. Particular attention has been given to develop a programme that also relates to and is interesting for protected cultivation with less technology than is usual in The Netherlands. So, basics will be learned to apply directly in your own country and situation.

Results

After attending the Summer School, you will:

- know the most relevant processes in protected cultivation ranging from plant physiology to economics
- understand how technology affects climate management, crop production and resource use efficiency
- be able to apply this knowledge to quantitatively address decisions about climate management, crop cultivation and nutrition

Date 28 Aug – 8 Sep 2023
Location Wageningen Campus

Course leaders Dr Cecilia Stanghellini and Prof. Leo Marcelis

Outline and topics

This programme consists of an attractive mix of lectures, practical case work and evening seminars by renowned experts. It also includes 2 days of field visits to leading international companies in the Greenhouse industry.

The following topics will be covered:

- Overview of Protected Horticulture
- Passive Greenhouse (light and functions of the cover)
- Climate management
- Basic Principles of Crop Physiology
- Potential Crop Yield
- Crop Management
- Plant nutrition and its management
- Water quality, Growing Systems and Nutrient Solutions
- Crop Protection and Integrated Pest Management



Programme

Monday 28 August 2023

- **Introduction to Protected Horticulture**
Prof Leo Marcelis and Dr Julian Verdonk

Tuesday 29 August 2022

- **Passive Greenhouse (light and functions of the cover)**
Dr Cecilia Stanghellini, Dr Silke Hemming and Dr Feije de Zwart
- **Evening seminar and dinner**
Dr Jouke Campen

Wednesday 30 August 2023

- **Excursion day**

Thursday 31 August 2023

- **Crop Physiology and Crop Management**
Dr Ep Heuvelink

Friday 1 September 2023

- **Water Quality, Growing Systems and Nutrient Solutions**
Ing Erik van Os and Ing Wim Voogt

Monday 4 September 2023

- **Crop Physiology and Crop Management**
Dr Ep Heuvelink
- **Evening seminar and dinner**
Dr Silke Hemming

Tuesday 5 September 2023

- **Optimal Climate Management**
Dr Cecilia Stanghellini and Anna Petropoulou MSc

Wednesday 6 September 2023

- **Excursion day**

Thursday 7 September 2023

- **Plant Nutrition and its mManagement**
Ing Wim Voogt

Friday 8 September 2023

- **Overview of Protected Horticulture**
Prof Leo Marcelis and Dr Sander van Delden

Practical information



€ 2955.- per person and covers tuition, course materials, lunch and refreshments.
€ 2610.- for PhD.



Max. 35 participants.



Based on your attendance you will receive a certificate after the programme is finished.

Registration

Enrollment is possible until the 1st of August 2023, or if the maximum number of participants is reached.
Register via wur.eu/academy.

Register

Wageningen Academy

We develop and organise courses for professionals, based on Wageningen University & Research expertise.

Contact

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tomorrow's business