

28th International Horticultural Congress
August 22-27, 2010



IHC
Lisboa 2010

One Day Seminar:
New and innovative techniques in soilless cultivation
(SM04)

The Seminar will be held at the Lisboa Congress Centre as part of the 28th International Horticulture Congress, a world conference on horticultural sciences. Seminar participants must register to the Congress and will have full access to all other Congress activities and scientific programmes.

Theme of the Seminar

Soilless culture has become an economically and ecologically sound growing method for many crops in horticulture all over the world. This Seminar offers participants a platform for introduction and discussion of new and innovative techniques for sound plant production in high-tech protected cultivation, to suit small farming enterprises, open field cultivation as well as for urban indoors. This includes automation saving of agrochemicals and water, use and reuse of substrates and composts to achieve a superior product quality and quantity.

Scientific Topics

- Water

Soilless cultivation depends on the availability and supply of good quality water. Water has to be used and reused as efficiently as possible. Emission of contaminated water with nutrients and/or agrochemicals must be minimized. Technical and economic challenges demand innovative solutions depending on specific locations which may differ in various parts of the world.

- Substrates and composts

Different substrates and composts are important rooting and cultivation mediums for successful cultivation. Innovative materials with new physical or chemical composition appear on the market continuously but new forms of waste flow has to be avoided for sustainable use.

- Technology

Well designed and functional equipment must be at hand to make water and nutrients with reasonable costs at the appropriate moment and at the right spot available to the plants for successful cultivation. New high-tech or low-cost innovative systems are needed for successful soilless cultivation in all climates and for many different cultivators all over the world.

Conveners and information

Organized by Commission Plant Substrates & Soilless Culture

Wilfried H. Schnitzler, Prof. emeritus Life Science Center Weihenstephan, Technical University München, Germany (whs@wzw.tum.de)

Erik van Os, Wageningen UR Greenhouse Horticulture, The Netherlands (Erik.vanos@wur.nl)

Oral and poster presentations will be presented during the seminar.

Deadline for abstract submission is 31 December 2009.

Secretary

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