



EÖTVÖS LORÁND TUDOMÁNYEGYETEM
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Meghívó

az ELTE Meteorológiai Tanszék szemináriuma

Helyszín: ELTE TTK Kari Tanácsterem
1117 Budapest Pázmány Péter sétány 1/A., 7. emelet 7.18.

Időpont: 2018. április 10. (kedd) 10 óra 30 perc

Protected crops: microclimate, evapotranspiration and water use efficiency

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Abstract

The area of crops grown in protected environments like greenhouses and screenhouses is constantly increasing worldwide. The cover, either a plastic sheet or a porous screen, modifies the crop microclimate and hence the atmospheric water demand. Consequently, potential water saving is feasible.

In the seminar I will present selected methodologies and results from research projects we have conducted during the past two decades, most of them under full-scale greenhouses and screenhouses. This will include the effects of cover on radiation, wind speed, air temperature and humidity and the resulting, combined effect, on crop evapotranspiration. Finally I will discuss several experiments in which we examined the water use efficiency and demonstrated its increase.

Minden érdeklődőt tisztelettel várnak a Szervezők:

Weidinger Tamás
egyetemi docens

Mészáros Róbert
tanszékvezető egyetemi docens