Energy balance in a greenhouse: temperature and humidity monitoring

Autores

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Abstract

Currently, the world is in a necessary stage of energy transition due to the high rates of pollutants emitted into the environment.The agricultural sector contributes only 7% of these to the environment, a figure that is not alarming but certainly intervenes in the generation of pollution [1]. Environment offers some properties that can be considered such as the radiation provided by the sun, which is used today in greenhouses ranging from small and rustic to others of large dimensions and sophisticated systems of control and monitoring. This study consists of the supervision with a data acquisition system which (temperature and relative humidity sensors), thus allowing to know which physical magnitude varies faster through time.

Palabras clave
Energy balance, horticulture, greenhouse, sensors.