ENVIRONMENTAL CONTROL METHODS IN GREEN HOUSES

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ABSTRACT

According to **(Li *et al*., 2021)**, as a controllable environment, a greenhouse has less resource consumption and emission than field crop production and reduced greenhouse gas emissions from agricultural production. Besides, the greenhouse with an intelligent monitoring system has better energy-saving and reduction emission-reduction effects. Simultaneously, the intelligent monitoring system can predict the extreme greenhouse environment in advance, reduce diseases and insect pests, reduce the use of pesticides and fertilizers, and provide high-quality food.

A greenhouse is a system for modification and management of environmental factors that allow plants to be grown in suitable climates that may be not well suited for their growth and development. This greenhouse technology gains significance in changing climatic scenarios, which emphasizes high-quality production along with higher productivity by efficient utilization of available resources. However, the productivity and efficiency of greenhouse technology are fully depending on the types of greenhouse structures used for production The efficiency and productivity of a greenhouse operation are largely dependent on the type of growing structure used. Since many greenhouse designs are there to select for a particular region, it is essential to become intimate with the advantages and disadvantages of each greenhouse type and structure. greenhouse (GH) agriculture can be developed to succeed in dealing with water scarcity and provide sufficient sources of agricultural products as a sustainable solution. Greenhouse environmental control systems using sensor networks are becoming more widespread and sophisticated**.**

Keywords: greenhouses, environmental, control.

Table of Contents

List of Tables