

Contemporary Developments in Agricultural Cyber-Physical Systems

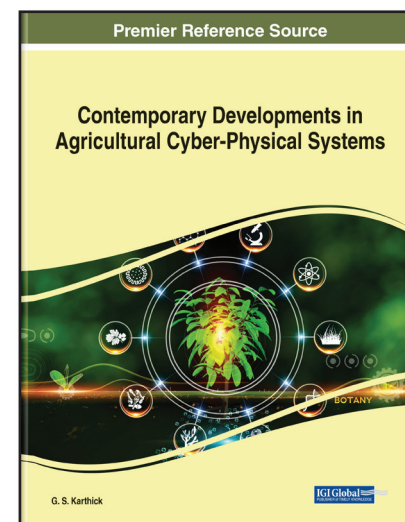
Part of the Advances in Environmental Engineering and Green Technologies Book Series

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Description:

The cultivation of crops plays a very important role in agriculture. However, proper maintenance and management are required. Lack of such management would lead to crop loss or reduced crop yields. Hence, the ability to detect and identify diseases on infected crops is a problem of increasing concern. Real-time disease detection systems do not exist in the current agricultural landscape. It requires tremendous amounts of work, expertise in plant diseases, and excessive processing time. Using precision agriculture techniques, combined with AI, a great deal of work is reduced.

Contemporary Developments in Agricultural Cyber-Physical Systems provides a forum for researchers and practitioners to exchange ideas and achieve progress in cyber-physical systems by highlighting agricultural applications, advances, and research challenges. The book features chapters on all aspects pertaining to this multidisciplinary paradigm, in particular in its application to sustainable agriculture developments. Covering topics such as automation, monitoring systems, and smart agriculture, this premier reference source is an excellent resource for scientists, healthcare professionals, data analysts, computer scientists, students and educators of higher education, researchers, and academicians.



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