

Fuzzy Logic Based Sugarcane Leaf Disease Identification

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NSC Trainee Agriculture (B.Sc. Ag) Question Paper 2018 with Detailed solution, NSC previous papersLecture 04: Introduction to Fuzzy Sets ANSC 423—Spartan ration building Fuzzy Logic Based Sugarcane Leaf

fuzzy logic, the disadvantages of the existing techniques and it can provide the accurate result. By identifying the affected leaf, the type of disease affected to the leaf is analyzed. Based on the disease type, the sugarcane leaf is classified. The classification process can be performed by using artificial neural network.

FUZZY LOGIC BASED SUGARCANE LEAF DISEASE IDENTIFICATION—

Fuzzy Logic Based Sugarcane Leaf Disease Identification ... in sugarcane crop using fuzzy proglog rules. Fuzzy logic is a form of many-valued logic; it deals with reasoning that is approximate rather than fixed and exact. For the adequate growth of sugarcane crop, nutrients are required.

Fuzzy Logic Based Sugarcane Leaf Disease Identification

in sugarcane crop using fuzzy proglog rules. Fuzzy logic is a form of many-valued logic; it deals with reasoning that is approximate rather than fixed and exact. For the adequate growth of sugarcane crop, nutrients are required. It assists or guides the farmers, experts, counselors in

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International Journal of Fuzzy Logic and Intelligent Systems, vol. 17, no. 1, March 2017 into a binarized image to extract the outline, and the two di- mensional features were then extracted using ...

(PDF) Plant Leaf Recognition Using a Convolution Neural—

classification is a technique where leaf is classified based on its different morphological features. There are so many classification techniques such as k-Nearest Neighbor Classifier, Probabilistic Neural Network, Genetic Algorithm, Support Vector Machine, and Principal Component Analysis, Artificial neural network, Fuzzy logic.

Detection and Classification of Plant Leaf Diseases Using—

In this paper, we address a comprehensive study on disease recognition and classification of plant leaves using image processing methods. The traditional manual visual quality inspection cannot be defined systematically as this method is unpredictable and inconsistent. Moreover, it involves a remarkable amount of expertise in the field of plant disease diagnostics (phytopathology) in addition ...

Study of digital image processing techniques for leaf—

Shanwen et al. reported an article for leaf image-based cucumber disease recognition using sparse representation classification [62], which uses the K-Means algorithm for image segmentation ...

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The use of fuzzy logic to determine the concentration of betel leaf essential oil and its potency as a juice preservative. Basak S(1). Author information: (1)Indian Institute of Technology Kharagpur, Agricultural and Food Engineering Department, Kharagpur 721302, West Bengal, India. Electronic address: suradeepbasak@gmail.com.

The use of fuzzy logic to determine the concentration of—

Advantages & Disadvantages of Fuzzy Logic. Fuzzy logic provides simple reasoning similar to human reasoning. There are more such advantages of using this logic, such as: The structure of Fuzzy Logic Systems is easy and understandable. Fuzzy logic is widely used for commercial and practical purposes. It helps you to control machines and consumer ...

What is Fuzzy Logic in AI and What are its Applications—

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Sugarcane, belonging to the grass family Poaceae, is rich in sugar sucrose, thereby used for making white sugar, jaggery and other by-products like molasses and bagasse. However, a diseased sugarcane plant is of no use, so it needs to be detected as soon as possible. A novel deep learning framework approach is proposed in this paper to detect whether a sugarcane plant is diseased or not by ...

A Novel Deep Learning Framework Approach for Sugarcane—

An automatic analysis method for real-time monitoring of sugar-cane harvesting has been developed. The goal is to design a true decision-aid tool based on the expert knowledge available in the ...

Sugar-cane Fields Observed By Satellite— ScienceDaily

decreases the dependency on the farmers for the protection of agricultural products. So, the leaf disease detection and classi fi cation is the motivation of the proposed work. In this paper, a novel fuzzy set extended form neutrosophic logic based segmentation technique is used to evaluate the region of inter-est.