


STATEMENT - I

The present work is based on the discovery of facts which are new for Curcuma longa L. Three varieties of Curcuma longa L. Salem, Rajapuri and Krishna have been selected for pathophysiology studies. The Salem variety of turmeric severely affected by two fungal diseases known as leaf blotch and leaf spot disease. While Rajapuri and Krishna these two varieties show severe infection of leaf blotch disease. These diseases cause morphological and physiological changes in plants. So far no attempts have been made to investigate various physiological processes, organic constituents, inorganic constituents and activity of few enzymes in healthy and infected leaves. Therefore, this work is original one. It has not been previously submitted for the award of any degree elsewhere.

STATEMENT - II

The present work covers the study of various changes in healthy and infected leaves of the three varieties Salem, Rajapuri and Krishna of turmeric, Curcuma longa L. This work reports a new investigation. The sources from which the information gathered have been listed in the "Bibliography" of the dissertation. The current journals, reviews, text-books and monographs have been extensively referred and correlated. Every attempt has been made to keep the reference work as upto date as possible.


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