

STATEMENT-I

The present work is based on the discovery of facts which are new for seed germination of some forest trees and of Leucaena leucocephala (L.) (de.wit.) in particular. Present work also summarises the current problems and perspectives in forestry. So far, there has not been any attempt to investigate physiological changes during germination of Leucaena seeds. The response of Leucaena seeds to presowing soaking treatments with some salts, growth promoting substances and polyethylene glycol have been covered in the present investigation. This work has not been published previously or submitted for the award of any degree.

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STATEMENT-II

The present work is a new line in the current programme of our Laboratory. However, this work shows a relevance to the stress physiology carried out in our Laboratory. The sources from which information is gathered have been listed in the "Bibliography", part of the Thesis. 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 far as possible.

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