

STATEMENT-I

In the present investigation an attempt has been made to study various ecophysiological mechanism operating in a leguminous halophyte Derris trifoliata. Besides D. trifoliata a nonhalophytic Derris species D.scandens is also included in the studies. The studies mainly cover the analysis of various mineral elements in different plant parts, the study of fate of various organic constituents, the nodulation studies, leaf anatomical studies and study of germination behaviour. To our knowledge so far such attempt has not been made. Hence this work represents an original contribution. At the same time this work can be regarded as extension of the research work on various marine plants carried by in our laboratory for last several years. This work has not been previously submitted for the award of any degree in any institute.

STATEMENT - II

The present investigation is devoted to ecophysiological studies of the two legume species Derris trifoliata Lour. and D. scandens (Roxb.) Benth. 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 up-to-date as possible.


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