STATEMENT I

The present study is based on the discovery of facts which are new for sunhemp (Crotalaria juncea L.) The physiological studies in this legume are limited and so far no attempts have been made to investigate behaviour of enzyme nitrate reductase in this important legume species. Therefore this work is original one. This work has not been previously submitted for the award of any degree in any institute.

STATEMENT II

The present work covers the study of activity of enzyme nitrate reductase in <u>Crotalaria juncea</u> L. The sources from which information is gathered have been listed in the 'Bibliography' part of the thesis. The current journals, reviews, textbooks and monographs have been extensively referred. Every attempt has been made to keep the reference work as up-to-date as possible.

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