STATEMENT I

Allelopathy is one of the important ecological factors which influence seed germination and growth of crop plants. The present investigation embodies studies of influence of five plants species (Eucalyptus globosus Labill, Moringa oleifera Lamk, Melia azedarach L., Parthenium hysterophorus L., Glycine max (L.) Merrill) on germination behaviour of two important crops Sorghum bicolor (L.) Moench and Vigna mungo Linn. Although seed germination process in these two crops has been extensively studied in past, not much attention has been paid to the above aspect. Hence present investigation represents an original contribution to the germination ecophysiology of Sorghum and moong. Further this work has not been previously submitted for the award of any Degree to any Institute.

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STATEMENT II

The influence of leaf leachates of five plant species. (Eucalyptus globosus Labill, Moringa oleifera Lamk, Melia azedarach L. Parthenium hysterophorus L., Glycine max (L.) Merrill) on seed germination behaviour of Sorghum and moong has been described in the present dissertation. This work reports a new investigation. The sources from which the information is gathered have been listed in the 'Bibliography' part of the thesis. The current journals, reviews, articles, text books and monographs have been extensively referred and correlated. Every attempt has been made to keep the reference work as uptodate as possible.

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Guide

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Candidate

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