Statement I

The present investigation deals with the physiological studies of *Arachis hypogaea* L. under the influence of Salicylic acid and its derivatives. Although it is well known that *Arachis hypogaea* L. is an important oil yielding cash crop, not much attention has been paid to effect of salicylic acid and its derivatives (ASA and SSA) on physiology of groundnut plant. Hence an attempt has been made to assess the effect of foliar application of SA and its derivatives on some aspects of physiology of groundnut. Thus, this work represents an original contribution to *Arachis hypogaea* L. physiology. Further, this work has not been submitted for the award of any degree in any institute.

Dr. S. B. Bhamburdekar
Guide

Ms. Sunita Hariram Jadhav
Candidate
Statement II

The present investigation embodies the physiological studies of *Arachis hypogaea* L. under the influence of Salicylic acid and its derivatives. This work reports a new investigation. The source from which information is gathered has been listed in the last part of thesis ‘Bibliography’. The current issues of Journals, reviews, articles, textbooks, monographs and websites have been extensively referred and correlated. Every attempt has been made to keep the reference work as up-to-date as possible.

Dr. S. B. Bhamburdekar  
Guide

Ms. Sunita Hariram Jadhav  
Candidate