

DECLARATION

I do hereby declare that the thesis entitled “**Understanding the role of micro RNAs involved in seed physiology and related developmental processes using *Arabidopsis thaliana* as a model system**” was carried out by me for the degree of Doctor of Philosophy (Ph.D.) in Botany under the kind joint supervision of Dr. Prakash Karmakar, Assistant Professor of the Department of Botany & Forestry, Vidyasagar University and Dr. Asis Kumar Nandi, Associate professor of the Department of Botany & Forestry, Vidyasagar University.

To the best of my knowledge and belief, my thesis contains no material previously published or written by any other person, except where due reference has been made in the text. The books, articles and websites which I have made use of are acknowledged at respective places in the text.

For the present thesis, which I am submitting to the University, no degree or distinction has been conferred on me before, either in this or in any other University.

Place: Midnapore

Date: 15/11/18

Shabari Das
(Mrs. Shabari Sarkar Das)