DECLARATION

I hereby declare that the work presented in the thesis entitled "Ab initio and DFT Modeling of Ring Cleavage Reactions" has been carried out by me independently under the guidance of Dr. P. Venuvanalingam, Professor of Chemistry, Bharathidasan University, Tiruchirappalli and the work has not been submitted either in whole or in part for any degree, diploma, membership, etc., at any other University or Institute. In keeping with the general practice in reporting scientific observation, due acknowledgement has been made whenever the work described is based on the findings of other investigators.

(A. KALAISELVAN)