

## Certificate

This is to certify that the thesis entitled “**Corrosion Inhibition and Adsorption Potential of Biomass Extracts-Leaves and Flowers of *Heliconia rostrata* and *Canna indica* on Corrosion of Mild Steel / Aluminium 1100 in 1 M HCl**” submitted to the Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore in partial fulfilment of the requirement for the award of the degree of **Doctor of Philosophy (Ph.D.) in Chemistry** by **Mrs. A. Mathina** during the period from June 2011 to June 2016 under my supervision and guidance and the thesis has not formed the basis for the award of any degree/Diploma/Associate ship/Fellowship or similar titles to any other candidate of any other university.

  
Signature of the 24/6/16  
Head of the Department

**Dr. R. RAJALAKSHMI**  
M.Sc., M.Phil., B.Ed., Ph.D.,  
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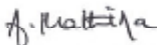
  
Signature of the Dean 24/6/16

**Dr. A. PARVATHI**  
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## Declaration

I hereby declare that the thesis entitled “**Corrosion Inhibition and Adsorption Potential of Biomass Extracts-Leaves and Flowers of *Heliconia rostrata* and *Canna indica* on Corrosion of Mild Steel / Aluminium 1100 in 1 M HCl**” submitted to the Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore in partial fulfilment of the requirement for the award of the degree of **Doctor of Philosophy (Ph.D.) in Chemistry** is the record of work carried out by me during the period from June 2011 to June 2016 under the guidance of **Dr. R. Rajalakshmi**, Professor and Head , Department of chemistry, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore and has not formed the basis for the award of any degree / Diploma / Associate ship / Fellowship or similar titles to any other candidate of any other university.

  
Signature of the Guide  
24/6/16

  
Signature of the Candidate