

Certificate

This is to certify that the thesis entitled “**Eco-friendly Chitosan Schiff bases for Enhanced Corrosion Resistance of Mild Steel in Acid Medium and Calcium Carbonate Scale Inhibition**” submitted to the Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore – 641 043, in partial fulfilment of the requirements for the award of the degree of **Doctor of Philosophy (Ph.D) in Chemistry**, is a record of original research work done by **R. Menaka**, during the period of her study in the Department of Chemistry under my supervision and guidance and the thesis has not formed the basis for the award of any Degree/ Diploma / Associateship / Fellowship or similar Titles to any candidate of any other University or Institute.

**Signature of the
Head of the Department**

Signature of the Supervisor

Signature of the Dean

Declaration

I hereby declare that the thesis entitled “**Eco-friendly Chitosan Schiff bases for Enhanced Corrosion Resistance of Mild Steel in Acid Medium and Calcium Carbonate Scale Inhibition**” submitted to the Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore – 641 043, in partial fulfilment of the requirements for the award of the degree of **Doctor of Philosophy (Ph.D) in Chemistry**, is a record of original research work done by **R. Menaka**, under the supervision and the guidance of **Dr. S. Subhashini**, M.Sc., M.H.Ed., M.Phil., Ph.D., Professor, Department of Chemistry, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, under my guidance and supervision and that work has not formed the basis for the any Degree/ Diploma / Associateship / Fellowship or similar Titles to any candidate of any other University or Institute.

Signature of the Supervisor

Signature of the Candidate