

**Effectiveness of Inquiry Based Instruction on Science Process Skills,  
Achievement in Science and Metacognition of Higher Secondary School  
Students**

*By*

**T.Sangeetha  
16PHEDF001**

*Supervisor*

**Dr. H. Indu**

**A Thesis Submitted to**

**Avinashilingam Institute for Home Science and Higher Education for Women,  
Coimbatore - 641043**

**In Partial Fulfilment of the Requirement for the Degree of  
Doctor of Philosophy in Education**

**June, 2021**