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## Certificate

This is to certify that the thesis entitled “**Development and Pressure Driven Transport Studies of Polyelectrolyte Membranes**” is an authentic record of the research work done by **Jissy Mathew** under my supervision and guidance in partial fulfilment of the requirements for the award of the degree of **Doctor of Philosophy** in Chemistry under the faculty of Science of Mahatma Gandhi University, Kottayam. The work presented in this thesis has not been submitted for any other degree or diploma earlier. It is also certified that Jissy Mathew has fulfilled all the required conditions for the Ph. D. degree of this university.

Priyadarshini Hills,

August 2009

**Dr. C. T. Aravindakumar**

(Research supervisor)