Declaration

I hereby do declare that the work presented in this thesis entitled “Pyocyanin (5-methyl-1-hydroxyphenazine) produced by *Pseudomonas aeruginosa* as antagonist to vibrios in aquaculture: overexpression, downstream process and toxicity” is based on the original work done by me under the guidance of Dr. Rosamma Philip, Assistant Professor, Department of Marine Biology, Microbiology and Biochemistry and Co-Guidance of Prof.I.S. Bright Singh Coordinator, National Centre for Aquatic Animal Health, Cochin University of Science and Technology, Cochin-682 016, and that no part of this work has previously formed the basis for the award of any degree, diploma, associateship, fellowship or any other similar title or recognition.

Cochin 682 016

January 2012

Priyaja P