**Declaration**

I hereby declare that this thesis is a bona fide record of the research work carried out by me under the supervision and guidance of **Dr. Santosh R Kanade**, Assistant Professor, Department of Biochemistry & Molecular Biology, and that, to the best of my knowledge and belief, it contains no material previously published or written by another person nor material which has been accepted for the award of any other degree or diploma of a University or other institute of higher learning, except where due acknowledgment has been made in the text.

Place : Kasaragod

Date : 

**Md. Sajid Ghufran**