# "Synthesis and Characterization of Novel Chitosan based Films Loaded with Streptomycin and β-Carotene"

Dissertation Submitted to the University of Kerala In partial fulfillment of the requirements for the award of the Degree of

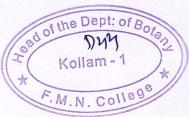
> Master of degree of Science In Food and Diary Biotechnology

> > By STEGIYA FRANCIS

(Reg. no: 13105011)



DEPARTMENT OF BOTANY FATIMA MATA NATIONAL COLLEGE KOLLAM SEPTEMBER 2015



## UNIVERSITY OF KERALA

### DEPARTMENT OF BIOTECHNOLOGY

HERE BELLEVEL

#### INTER UNIVERSITY CENTRE FOR GENOMICS & GENE TECHNOLOGY

Phone No. ++91 471 2 30 8778 jekksnair@gmail.com

UNIVERSITY CAMPUS KARYAVATTOM THIRUVANANTHAPURAM - 695 581

Dr. A. Jayakumaran Nair Assistant Professor & Head Dept. of Biotechnology Director, IUCGGT

#### CERTIFICATE

This is to certify that the thesis entitled "Synthesis and Characterization of Novel Chitosan based Films Loaded with Streptomycin and  $\beta$ -Carotene" is an authentic record of the research work carried out by Ms. Stegiya Francis under my supervision and guidance in the partial fulfillment of the requirements for the award of the degree of Master of Science in Food and Dairy Biotechnology, under the faculty of Applied Science of the University of Kerala, Thiruvananthapuram. The work presented in this thesis has not been submitted for any degree or diploma earlier.

Kariavattom Date: 31.082015



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Dr. A. Jayakumaran Nair Dr. A. JAYAKUMARAN NAIR Assistant Pro'essor & Head Assistant of Bio-technology University of kerala Trivandrum.