



DEPARTMENT OF BOTANY
St. TERESA'S COLLEGE
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Certificate

This is to certify that the research work presented in the thesis entitled “**Differential morpho anatomical and physio biochemical responses to Cadmium, Lead and Manganese in Cowpea (*Vigna unguiculata*) and Bhindi (*Abelmoschus esculentus*.)**” submitted by **Sri. REMESH K. N.** is a bonafide record of the work carried out by the candidate under my supervision and guidance. No part of the work embodied in this thesis has been submitted earlier for the award of any degree or diploma. It is also certified that **Sri. REMESH K. N.** has fulfilled the course requirements and is exempted from appearing for the qualifying examination for the Ph.D degree of the university.

Ernakulam,
27-07-2013

Dr. D. SHEELA
Research Guide