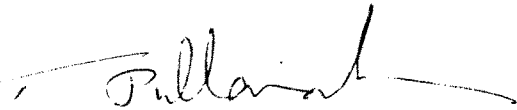


**CERTIFICATE**

Certified that this is the bonafide  
research work done by Miss. P. Swarajya Lakshmi,  
M.Sc., in the Department of Bio-Sciences, Sri  
Krishnadevaraya University, Anantapur under my  
supervision.

  
(T. PULLAIAH)  
DIRECTOR OF RESEARCH