

# ACHARYA NAGARJUNA UNIVERSITY

NAGARJUNA NAGAR – 522 510, A.P., INDIA

**Prof. B. Kesava Rao**

M.Sc., Ph.D.

**Chairman – BOS**

Department of Chemistry

Department of Biochemistry

Department of M.Sc., Oils,

Fats and Petro Products

Department of Engineering

Chemistry



**Off: 0863-2346589**

**Res: 0866-2486705**

**Cell: 9030824542**

## CERTIFICATE

This is to certify that the work incorporated in this Ph.D. thesis entitled **“Isolation of Phytochemical Constituents from Bhallataka and Synthesis of Bhallataka Biodiesel, Biolubricants, Novel Applications and their Biological Activities”** is a bonafied research work, carried out by **Mrs. V. Padmavathi**, registered with Acharya Nagarjuna University under my Supervision. To the best of my Knowledge the same has not been submitted elsewhere for any Degree or Diploma of any other University.

Date:

**(Prof. B. Kesava Rao)**

Research Supervisor