

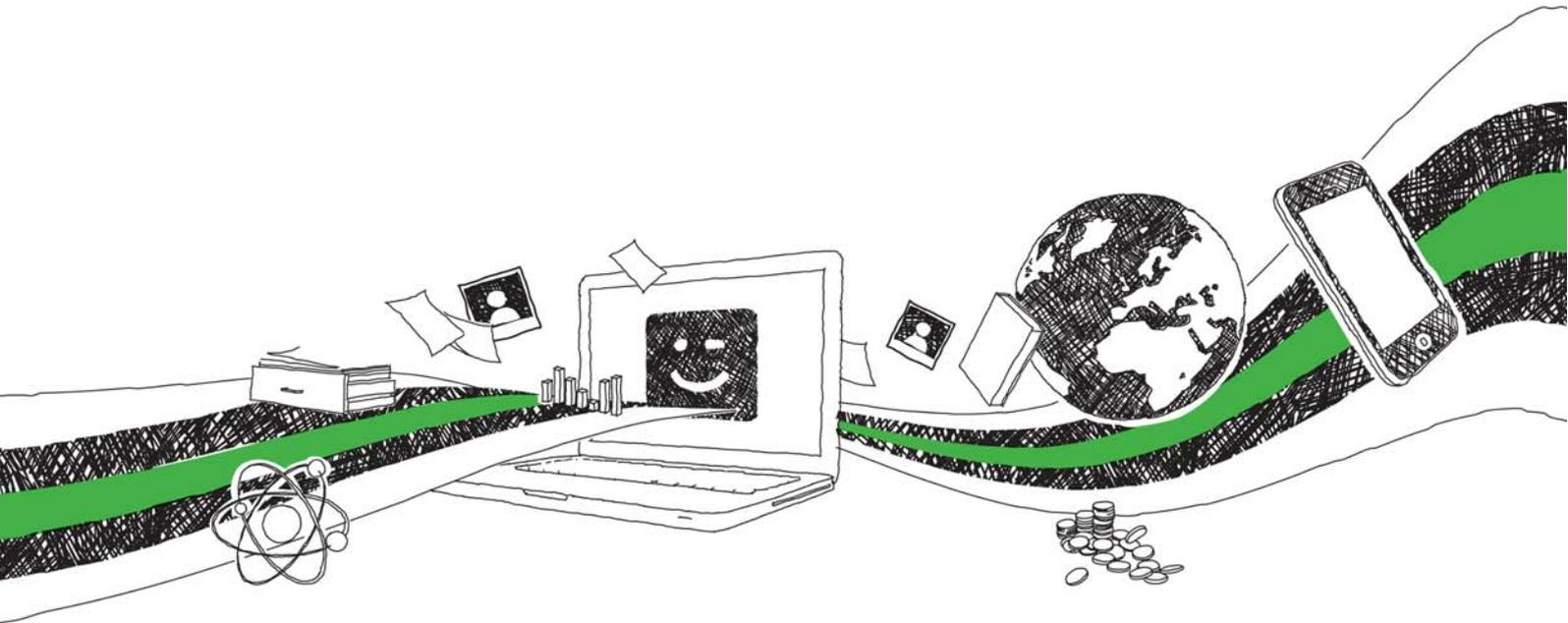
**Dr.Sibi P.Ittiyavirah**

# Antiulcer Screening of Selected Plants of Plumbago Species and the Effect of Plumbagin in Gastric Cell Lines

Studies of Plumbago Plants for Ulcer and Inflammation Treatment

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**Dr.Sibi P.Ittiyavirah**

# **Antiulcer Screening of Selected Plants of Plumbago Species and the Effect of Plumbagin in Gastric Cell Lines**

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**ANTIULCER SCREENING OF SELECTED PLANTS OF PLUMBAGO  
SPECIES & THE EFFECT OF PLUMBAGIN IN GASTRIC CELL LINES**

**DISSERTATION**

*Submitted to*



**MAHATMA GANDHI UNIVERSITY  
KOTTAYAM**

*In partial fulfillment for the award of the degree of*

**MASTER OF PHARMACY  
IN  
PHARMACOLOGY**

By  
**ANN SHINE PAUL, B. Pharm**

(Reg.No. )

Under the Guidance of

**Dr.SIBI P.I, M. Pharm, Ph. D (University of Delhi)**  
*Assistant Professor & Head,  
Dept. of Pharmacology*

**UNIVERSITY COLLEGE OF PHARMACY,  
MAHATMA GANDHI UNIVERSITY, CHERUVANDOOR CAMPUS  
KOTTAYAM, KERALA.**

**2012**



**University College of Pharmacy**  
**Mahatma Gandhi University**  
Cheruvandoor campus, Ettumanoor, Kottayam-686639, Kerala

Date:.....

## **Certificate**

This is to certify that the dissertation work entitled “*Antiulcer screening of selected plants of Plumbago species & the effect of Plumbagin in Gastric cell lines.*” is a bonafide original research work done by **Ms. Ann Shine Paul** at Post Graduate & Research Laboratory of Dept. of Pharmacology, University College of Pharmacy of Mahatma Gandhi University, Kottayam, Kerala under my direct supervision and guidance for the partial fulfilment of the requirements for the award of the degree of **Master of Pharmacy in Pharmacology** and that it has not been submitted elsewhere for the award of any degree or diploma.

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Kottayam



**University College of Pharmacy**  
**Mahatma Gandhi University**  
Cheruvandoor campus, Ettumanoor, Kottayam-686639, Kerala

Date:.....

## **Endorsement**

This is to certify that the dissertation work entitled “*Antiulcer screening of selected plants of Plumbago species & the effect of Plumbagin in Gastric cell lines.*” is a bonafide research work done by **Ms. Ann Shine Paul**, at University College of Pharmacy of Mahatma Gandhi University, Kottayam, Kerala under the supervision and guidance of **Dr. SIBI P.I, Assistant Professor & Head, Dept. of Pharmacology, University College of Pharmacy, Cheruvandoor Campus, Mahatma Gandhi University, Kottayam** for the partial fulfilment of the requirements for the award of the degree of **Master of Pharmacy in Pharmacology.**

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I hereby declare that the dissertation work entitled “*Antiulcer screening of selected plants of Plumbago species & the effect of Plumbagin in Gastric cell lines*” is a original research work carried out in the Post Graduate & Research Laboratory of Dept. of Pharmacology in the year 2011-2012 under the guidance and direct supervision of **Dr. SIBI P.I, Assistant Professor & Head, Dept. of Pharmacology, University College of Pharmacy, Cheruvandoor campus of Mahatma Gandhi University, Kottayam.** The work embodied in this thesis is original and has not been submitted the basis for the award of any degree/ diploma/associateship/fellowship of any other university/institution.

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“For everything God created is good and nothing is to be rejected if it is received with thanksgiving, because it is consecrated by the word of God and prayer”

**1 Timothy 4:4-5**

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**ANN SHINE PAUL**

*DEDICATED TO MY BELOVED PARENTS ON  
WHOSE DIVINE HANDS, THE GOD ALMIGHTY  
HAVE ENTRUSTED ME*

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