

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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Bibliographic information published by the German National Library:

The German National Library lists this publication in the National Bibliography; detailed bibliographic data are available on the Internet at <http://dnb.dnb.de> .

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Imprint:

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ISBN: 9783656617006

This book at GRIN:

<https://www.grin.com/document/268500>

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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

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*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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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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Date:.....

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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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IAEC Secretary

IAEC Chairman

“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

ACKNOWLEDGEMENT

When emotions are profound, words may not be sufficient to express thanks and gratitude. The wisdom commitment and the effort of many people source of inspirations to carry out this research work, Many people provided me valuable contributions and gave helpful comments. People world over enjoy growing flowers, but only a few realize that one grow a garden that will tell the time of this day.

Acknowledging a dissertation work represents a silhouette of magnanimity and help rendered by our family and friends. It gives me immense pleasure and contentment to acknowledge and thank all those who in big and small ways have contributed for this effort.

*Firstly, I offer my adoration to my internal belief “**God Almighty**” who created me & always flowers his blessings on me. Grave me the strength and courage to complete my dissertation and gave me the opportunity to thank all those people whom his grace was delivered to me.*

*I pay my tribute to my beloved parents **Mr. Paul K.P** and **Mrs. Sherly A.L**, sisters **Ann Linet Paul** and **Angela Paul** whose uncompromising life principles, love, affection, trust, patience, support has been always unshared and showered upon me at all stages of life and giving me more than what I deserved in my life.*

*With great pleasure and profound sense of gratitude, I express my most cordial and humple thanks to my eminent, respected teacher and guide **Dr. Sibi P.I**, Asst. Professor & Head,*

Department of Pharmacology, University College of Pharmacy, for his valuable guidance, keen interest, inspiration, unflinching encouragement and moral support throughout my dissertation work.

I am extremely thankful to Mr. Krishnakumar K,R, principal for providing adequate infrastructure and constant encouragement without which I would haven't completed my dissertation in time.

It's my great privilege to express my profound thanks and immense sense of gratefulness to teaching faculty Mr. Pramod C, Mrs. Litty Jeoseph, Mr. A.J Chacko, Mr. Anilkumar, Mr.Sajan Jose, Mrs. Bobby.S. Prasad, for their whole hearted support and encouragement from the beginning to the end. My special thanks to all lab technicians and other faculties for their kind co-operation during my dissertation work.

I extend my deep sense of gratitude to Mr. Joby Paul, Department of environmental Sciences for identifying and authenticating of the plant. I am gratefully indebted to Dr. Renji O. Raphael, Pathologist, Speciality Diagnostic Centre, Irinjalakuda and Dr. Hashim, U-win Life Sciences, Malappuram for their valuable support and suggestions and all the help during my experiments.

I owe a special thanks to my lovely friends Safeera Hamza, Rosemary jose, Shereen Sunny, Liby Baby, Muhammed Noushad, Sajid K,P, Habbeeb Rahman P.K, Ummarul Mukhtar A.K, Shenika Mary Simon, Meera Paul, Elizabeth Mathachan, Pilmy Rose Wilson, Veena Vijayan, Jiji K,N and all my batch mates for their good advices and ideas, their helping hands, and notably their friendship.. I express my thanks to juniors especially Anurenj B.A, Krishnadas

M.S and Mithun T. Valiyaveetil for their consistent help. I extend my thanks to my roommate Neelima N. Pillai for being with me during my compiling of thesis work,

From the deepest depth of my heart I articulate my gratitude to my best friend Aneesul Islam N, who constantly inspired me to think upon the problems and to solve them, and for being with moral support in translating this work into reality.

I am expressing humble thanks to all the mentors, well wishers and near & dear ones, who helped me in their own way.

Thanks to one and all.

ANN SHINE PAUL

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

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