

ISBN-978-93-94174-86-3

A Nature's Remedy: Exploring the Medicinal Botany of *Caesalpinia bonducella*

**Dr. Meera Murugesan
Mrs. D. Subhashini**



First Edition

Excellent Publishers

Author(s)

Dr. Meera Murugesan

Principal

Soka Ikeda College of Arts & Science for Women, Chennai, India

Mrs. D. Subhashini

Head, Department of Biochemistry.

Soka Ikeda College of Arts & Science for Women, Chennai, India

ISBN: 978-93-94174-86-3



Excellent Publishers



Excellent Publishers

Kancheepuram, India

www.excellentpublishers.com

email id: excellentpublishers2013@gmail.com

Copyright © 2024 Excellent Publishers. All rights reserved.

***Publisher:* Excellent Publishers**

***Author(s):* Dr Meera Murugesan & Mrs. D. Subhashini**

ISBN: 978-93-94174-86-3

Nature's Remedy: Exploring the Medicinal Botany of *Caesalpinia bonducella*

First Edition

Author(s) : Dr Meera Murugesan,
Mrs. D. Subhashini

ISBN : 978-93-94174-86-3

Page(s) : 40

Published Year : 2024

Published by : **Excellent Publishers**
No. 38/48, Second street, Ellappa Nagar
Kanchipuram – 631501, Tamilnadu, India.
Cell +91-9842641794
excellentpublishers2013@gmail.com
www.excellentpublishers.com



Disclaimer :

The author is solely responsible for the contents of the book in this volume in any manner, Errors, if any are purely unintentional and readers are requested to communicate such errors to the authors to discrepancies in futures.

Note: No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or any information storage and retrieval system, without permission in writing from the publisher.

Copyright© 2024 Excellent Publishers, All Rights Reserved

PREFACE

The study of medicinal plants has long been a bridge between the wisdom of traditional healing and the precision of modern science. This book focuses on *Caesalpinia bonducella*, a plant that stands out in both folk medicine and contemporary pharmacological research. Known for its thorny appearance and the resilience it displays in diverse habitats, *Caesalpinia bonducella* is more than a botanical curiosity—it's a source of numerous bioactive compounds with a wide range of potential therapeutic applications.

Throughout history, this plant has been recognized by many cultures under various names, celebrated for its medicinal value. It is a vital part of traditional healing practices, from treating fevers and skin ailments to addressing digestive disorders. The scientific community has increasingly turned its attention to the pharmacological properties of *Caesalpinia bonducella*, identifying compounds that may validate its traditional uses and reveal new possibilities for modern medicine.

This book offers an integrated exploration of *Caesalpinia bonducella*, combining its botanical characteristics, nomenclature, and taxonomical context with its rich pharmacological profile and traditional applications. It aims to highlight the synergy between ancient knowledge and current research, presenting a holistic view of a plant that has withstood the test of time as both a healing agent and a subject of scientific intrigue.

We hope that this book not only deepens the understanding of *Caesalpinia bonducella* but also inspires further studies into its properties and potential benefits. By examining this plant through the lenses of botany, pharmacology, and traditional medicine, we honor the enduring connection between nature's pharmacy and human health. May this book serve as a valuable resource for students, researchers, and anyone interested in the remarkable world of medicinal plants.

Author(s)

ABOUT THE AUTHOR(s)

Dr Meera Murugesan M.Sc., M.Phil., Ph.D., - With over 25 years of distinguished experience in teaching Biochemistry, Dr. Meera Murugesan currently serves as the Principal of Soka Ikeda College. A dedicated educator and researcher, she has made significant contributions to the academic community through her passion for teaching and commitment to advancing the field of Biochemistry. Dr. Meera has authored two books and published numerous research articles in reputed scientific journals, showcasing her expertise and dedication to the subject. Her work reflects a deep engagement with both research and pedagogy, aiming to inspire the next generation of scientists.

Mrs. D. Subhashini, M.Sc., M.Phil., Ph.D., with nearly 15 years of teaching experience, is currently the Head of the Department of Biochemistry at Soka Ikeda College of Arts & Science for Women. Her dedication to the field is evident in her academic achievements and contributions. Mrs. Subhashini has authored two books, contributed chapters to several others, and served as an editor for a book, highlighting her broad expertise. In addition to her published work in well-regarded journals, she has presented research papers at numerous national and international conferences. Her commitment to teaching and research fuels her efforts to deepen the understanding of Biochemistry and inspire students to explore this fascinating field.

Table of Contents

S.No.	Contents	Page No.
1	Introduction	1
2	<i>Caesalpinia bonducella</i>	1
3	Nomenclature and Classification	2
4	Botanical Characters	5
5	Pharmacological Properties	12
6	Folklore Medicinal Uses of <i>C. bonducella</i>	22
7	Conclusion	28
8	References	28