



# TAMARIND

— Science and Technology —

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# Tamarind

## Science and Technology

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# **Tamarind**

## **Science and Technology**

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**SCIENTIFIC  
PUBLISHERS**

Published by  
**SCIENTIFIC PUBLISHERS (INDIA)**

Jodhpur –

5 A, New Pali Road  
P.O. Box 91  
Jodhpur - 342 001 INDIA

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ISBN: 978-93-86652-25-6

eISBN: 978-93-88172-49-3

Visit the Scientific Publishers (India) website at  
<http://www.scientificpub.com>

Printed in India

*Dedicated*  
to  
Tamil Nadu Agricultural University  
(TNAU)  
&  
Indian Council of Agricultural Research  
(ICAR)







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## FOREWORD

Tamarind being a multipurpose tree is predominantly found in farmlands, forest area and road avenues. India's annual tamarind production is about 200-210 MT, Tamil Nadu and Karnataka alone contribute over 60 per cent of the country's production. Besides tamarind is commonly grown in the states of Andhra Pradesh, Maharashtra, Telangana, Kerala, Bihar, Orissa, Chhattisgarh, Pondicherry, Mizoram, Andaman & Nicobar.

Tamarind pod contains 40% pump, 26% seed, 3% fiber and 31% pod shell. Tamarind pulp is an important ingredients in food recipes of Southern India. Although, the utility of tamarind pulp is well known, but the seed as source of gum is rarely known. The tamarind seed contains "Jellose" (Gummy polysaccharide) is used as edible gum. With the advent of modern scientific technologies as high as 52% gum is extracted from one kilogram of Tamarind Kernal Powder (TKP).

In order to exploit the benefit of Tamarind seed gum, Forest College and Research Institute, Tamil Nadu Agricultural University, Mettupalayam has joined with ICAR - Indian Institute of Natural Resins and Gums, Ranchi through the Network project on "Harvesting Process and Value Addition of Natural Resins and Gums". Various research findings emanated through the project have helped to publish the book on "**Tamarind Science and Technology**" by a team of scientists from Forest College and Research Institute, Mettupalayam.

The book contains information on biology and silvicultural management of Tamarind, besides it enlightens informations on harvesting, processing and value addition in Tamarind with particular reference to Tamarind seed gum. Thus, a totally information of Tamarind from production to supply chain was brought out in this book.

I strongly believe that the book will be very much useful to researchers, students, industries, farmers and other stakeholders. I congratulate the effort of Dr. A. Balasubramanian, Dr. P. Sudha, Dr. C.N. Hari Prasath, Dr. M. Sangareswari, Dr. S. Radhakrishnan and Dr. K.K. Suresh for their concerted effort to publish this book. I also congratulate to Mr. Tanay Sharma for Scientific Publishers (India), Jodhpur to publish this book in a most readable format. I am thankful to Indian Council of Agricultural Research (ICAR), Indian Institute of Natural Resins and Gums (IINRG), Ranchi for their support in publishing the book.

  
(K. RAMASAMY)



# Acknowledgement

We whole heartedly express our deep sense of gratitude and indebtedness to **Dr. K. Ramasamy**, Vice chancellor, Tamil Nadu Agricultural University, Coimbatore for providing facilities and extending the guidance in publishing this book through the implementation of ICAR Network Project on “Harvesting, Processing and Value Addition of Natural Resins and Gums” at Forest College and Research Institute, Mettupalayam. We record our sincere thanks to Tamil Nadu Agricultural University (TNAU) and Forest College and Research Institute (FC&RI) for providing excellent platform in publishing the book. We equally thankful to Indian Council of Agricultural Research (ICAR) and Indian Institute of Natural Resins and Gums (IINRG), Ranchi for shaping the book. It is rather a pleasant privilege to place our deepest sense of gratitude and affection to Dr. Sharma, Director, IINRG, Ranchi; Dr. Ramani, Former Director, IINRG, Ranchi and Dr. Niranjana Prasad, Principal Scientist & Network Coordinator of HPVA-NRG, IINRG, Ranchi for rendering the ideas by providing information and help in shaping this book.

We acknowledge the contribution by different experts for their valuable scientific information as book chapters compiled in this book. We sincerely thank the Mr. Tanay Sharma for Scientific Publishers (India), Jodhpur for neat execution in publishing this book.

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