

A Complete Morphological Identification

Colour Atlas of Medicinal Plants

Volume - 2

Dr. Ramesh Kumar Bhutya

Additional Director (Retd.)
Ayurved Department,
Kota Division, Kota (Raj.)



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Dr. SatisH Xumar Sharma

R.F.S.

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Foreword

Medicinal plants are an important natural resource of the country which are indispensable for economic growth of country and good health of our people. India is a vast country with varied forest types and agro-climatic zones. A big number of medicinal trees, shrubs, herbs, climbers, and tuberous plants grow in the country's forests and agricultural fields. China is leading in the field of herbal medicines. Our country where Ayurveda took birth, is lagging behind China in present time. Our society's traditional knowledge related to medicinal plants is very vast, notable and reliable. We cannot ignore Ayurveda, medicinal plant wealth of country and our society's knowledge related to medicinal plants. We have seen this in the present Covid pandemic situation also.

Now-a-days, awareness is seen among public for medicinal plants. Ayurveda, Forest and Agriculture Departments are looking serious for conservation and propagation of medicinal plants. Though experts, scholars and common public are taking interest in medicinal plants but paucity of quality literature is also felt. Correct identification of medicinal plants is a serious problem.

Dr. Ramesh Kumar Bhutya, a dedicated Ayurvedic physician, having a vast experience of medicinal plants and their uses, is a prolific writer too. His earlier nine books namely 'Vanaspati Aushadha Vigyan', 'Ayurvedic Medicinal Plants of India' two volume, 'Medical Ayurveda Shabdkosh', 'Charma Rog Nirdeshika', 'Aushadha Dravyo ka Tridosh Gun Vivechan', 'Anubhut Ayurveda Chikitsa', 'Colour Atlas of Medicinal Plants' 'Ayurved Vanoshadhi Sampada' and 'Aushadha Padap Varnan Vidhi' have been acknowledged widely. His present efforts to develop a colorful atlas of medicinal plants will certainly help to identify the medicinal plants correctly. People, who have no background of plant taxonomy, they can also take help of this book to identify the medicinal plants. Definitely, this book will act as a 'Flora of medicinal plants'.

Sincerely hope, this book will be sourly liked by all the readers, research scholars, Ayurved teachers, Ayurved students and nature lovers.

Udaipur,
July 08, 2021

Dr. Satish Kumar Sharma
Rajasthan Forest Service (Retd.)

Prologue

Proper identification of medicinal plants is still a great problem at this time. It has also drawn the attention from common men in general and scholars in the medical streams. Wrong identification is responsible for the bad quality of compound drugs. In the light of the above, the curiosity about the sources of the medicines, medicinal plants in most of the cases, has drawn considerable interest among all quarters of the medical science. It won't be out of place to mention here that in spite of availability of a lot of books on medicinal plants in the market, readers are not found them satisfactory as many relevant issues are not adequately addressed in them and hence, not adequately fulfill their requirements. Author has identified needs of Ayurveda people. To meet out their needs, relevant literature on medicinal plants was scanned to bring this book in present shape. Certainly this book will help people of Ayurveda and botany in identification of medicinal plants.

In addition, in the absence of proper knowledge related to the identification of medicinal plants, many plants remained either unidentified or wrongly identified. As a result, many important and precious medicinal plants are often considered as weeds and disposed off as waste material. Wrong identification even lead towards more serious repercussions as these may be used wrongly in preparing medicines for which they are not recommended due to different chemical constituents, and hence deprived of their actual uses.

In this book, an attempt is made to fill the above gaps. 1st volume of this book has been acknowledged widely. It is my firm belief that this book will be of immense use to Ayurveda experts, teachers, students of post-graduate and under-graduate Ayurvedic courses, researchers, students of botany, scientists, pharmacologists, pharmaceutical organizations, pharmacists, biochemists, medical men and even common men.

However, I have tried to the best of my abilities and knowledge to produce this book containing all major aspects of Ayurvedic medicinal plants, even than some gaps and laps may prevail. I will be grateful to the readers for their suggestions and valuable feedback.

Salient features of the book

1. The latest and updated botanical names are given in this book. Classical names include only those maintained in Ayurvedic literature.
2. Good photos with complete botanical identification with plant, stem, bark, leaf, flower, fruit, seed, tuber, root and gum with full morphological features, which would be helpful in tentative identification of the plant in the field.
3. Good photographs of dry material available in the market will help us to procure right material because ultimately we depend on market to have our

supply of material for making the drugs. These photographs will give us a safeguard against abuse of adulteration in the dry medicinal material.

4. Photos of medicinal plants are taken in their natural habitat. All photos are original, with quality, distinguishable and taken by the author across the country.
5. At the end a composite list of Ayurvedic/Hindi names is given for readers' convenience.
6. Instead of textual botanical description the basis of identification is pictorial.

A few words of gratitude

In preparing this book, the help of various sources has been taken. I would like thank all the authorities whose works are consulted during the preparation of this book.

I would like to express my grateful thanks to Dr. Satish Kumar Sharma, R.F.S., former Assistant Conservator of Forests, Udaipur, for his valuable guidance and advice. He was a constant source of inspiration throughout the creation of this book. He went out of the way to help me in spite of his very busy schedule and other professional commitments.

Further, I am grateful to my colleagues Dr. R.S. Garg, Baran; Dr. P.S. Solanki, Kota ; Dr. Ashok Saxena, Bundi; Dr. J.P. Sharma, Bundi; Dr. Mohan Lal Jaiswal, Lecturer, Dravyagun Deptt., N.I.A. Jaipur; Dr. Ambashankar Dave, Sumerpur; Dr. Garima saini, Uttarkashi, Dr. Ikbal Pathan, Jhalara patan.

I am also thankful to Dr. D.N. Pandey, I.F.S. Head of forest Department, Jaipur, Dr. Sanjiv lale, Sen. Scientist, CCRAS, Jhansi, for their valuable suggestions and guidance.

My heart full thanks are also due to my family members Mr. Satyawan Sharma, Mrs. Kamini Sharma, Dushyant Sharma, Mrs. Kirti Sharma, Mr. Milind and Mrs. Kumud Sharma for their constant support and assistance. Last but not the least; I am extremely grateful to my wife Mrs. Manju Sharma for her patience as she almost freed me in discharging my domestic responsibilities during writing this piece of work.

My thanks are also due to Respected Mr. Pawan ji and Mr. Tanay ji, Scientific Publishers (India), Jodhpur to bring this book into existence.



Dr. Ramesh Kumar Bhutya

3/25, Keshorai Patan, District Bundi, Rajasthan
Mob. 09414538301; E-mail : rameshbhutya@gmail.com

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