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Cultivation and Utilization of Aromatic Plants

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About the Book

Aroma has played a vital role, directly as well as indirectly, in the life of human beings since its appearance on the earth as a result of evolution. India, Egypt and Persia were amongst the first countries to have conceived the process of distillation of essential oils. Aromatic plants have essential or aromatic oils naturally occurring in them. They help heal mental ailments and other diseases. India is endowed with a rich wealth of medicinal plants. Aromatic (Aroma Producing) plants are those plants which produce a certain type of aroma. Their aroma is due to the presence of some kind of essential oil with chemical constituents that contain at least one benzene ring in the their chemical configuration. These plants have made a good contribution to the development of ancient Indian material medica. In recent years, there has been a tremendous growth of interest in plant based drugs, pharmaceuticals, perfumery products, cosmetics and aroma compounds used in food flavors and fragrances and natural colors in the world. The chemical nature of these aromatic substances may be due to a variety of complex chemical compounds. There is a definite trend to adopt plant based products due to the cumulative derogatory effects resulting from the use of antibiotic and synthetics and except for a few cultivated crops, the availability of plant based material is mainly from the natural sources like forests and wastelands. There is a need to introduce these crops into the cropping system of the county, which, besides meeting the demands of the industry, will also help to maintain the standards on quality, potency and chemical composition. During the past decade, demand for aromatic plants and its products has attracted the worldwide interest, India being the treasure house of biodiversity, accounts for thousands of species which are used in herbal drugs. 90% of herbal industry requirement of raw material is taken out from the forests.

This book basically deals with cultivation of matricaria chamomilla, present agro production technology status of celery, cultivation of ocimum gratissimum linn. var clocimum, the production and perfume potential of jasminum collections, chemical modification of turmeric oil to more value added products, biologically active compounds from turpentine oil, folk medicinal uses of indigenous aromatic plants in nepal , traditional uses of selected aromatic plants of bhutan and their cultivation prospects, blending aspects of perfumes with turpentine constituents, the chemistry of mint flavour, essential oils of cinnamomum species, citral containing cymbopogon species etc..
The aim of publishing this book is to provide multidisciplinary information on aromatic plants. The book covers method of cultivation and utilization of various aromatic plants. This is very useful book for farmers, technocrats, agriculture universities, libraries, new entrepreneurs etc.

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