

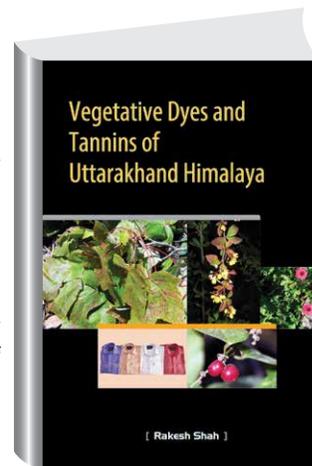
# Vegetative Dyes and Tannins of Uttarakhand Himalaya

**Rakesh Shah**

## ABOUT THE BOOK

Nature, since time immemorial has created and provided with a range of different shades of colours like yellow, red, blue, violet, green etc. that has inspired mankind to bring more colours in their daily life. But the access to the colours of nature has always been very laborious. The desire of mankind for more bright, fast and stable colours has been a strong driving force in the development and invention in the synthetic chemistry and development of the synthetic colours. Till to date, synthetic colorant dominates almost every field of possible application, such as mass coloration of plastics, textiles, paints, cosmetics and food, though sporadically the research on natural colorants continued by few enthusiasts who were persistent against the straight forward arguments for the use of synthetic dyes, relying on cost, performance, colour strength and brilliance, which can easily be achieved using artificial dyes.

The strongest plus point in the favour of natural colours is its being natural. Increased awareness of safety and higher attention to the possible adverse impact of a chemical product on human health has been one of the motivating factors for the use of natural colorants in food and cosmetics. Growing consumer interest in purchasing 'green' products is also responsible for the reintroduction of natural colorants into the modern markets. However, introduction of natural colorants into modern products is an interdisciplinary task that has to consider farming, collection of material, dyestuff extraction, analysis, properties and application at the same time. Present book contains more application-oriented use of natural colorants, for example, food, wood, textile and hair dyeing along with the part of plant species that yield colour. Species that are rich in tannins are also dealt in this book. Species are arranged alphabetically to make it easy for the readers to use the book.



## ABOUT THE AUTHOR

**Dr. Rakesh Shah** is an IFS officer of Uttarakhand Cadre and belongs to 1984 batch. He has a vast experience of working in governmental, semi governmental organizations, corporations and boards. Presently he is working as Chairman, Uttarakhand Biodiversity Board, which is an autonomous, statutory board created by the Uttarakhand government under the provisions of The Biological Diversity Act, 2002.

Dr. Shah is highly educated person with eleven degrees and diplomas to his credit. In 1994 he was awarded the prestigious "Indian Foresters Prize" for his contribution in the field of forest utilization for designing and developing "The Fuel Bricketing Machine". Also in 1999, he was awarded the "Best Plantation Prize" by the government of UP. There are eight books and several scientific papers to his credit. A book named "Folk Medicines and Aromatic Plants of Uttaranchal" is also dedicated to him for his contribution in the field of medicinal plant conservation. Dr. Shah has also directed the preparation working plans of several forest divisions.

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