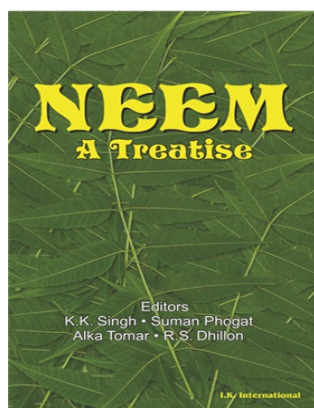


NEEM: A Treatise, 1/e

K.K. Singh, Alka Tomar, R.S. Dhillon & Suman Phogat



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About the Book

The present edited volume 'Neem - A Treatise' provides a comprehensive and authoritative account of this wonder tree — Neem (*Azadirachta indica* A. Juss). An excellent reference text, it offers a versatile and in-depth account of occurrence, distribution, ethnobotany, uses in agroforestry, silviculture and social forestry, cultivation and improvement of neem, propagation by tissue culture, chemical constituents and their bioactivity against micro-flora and micro-fauna, disease, stored grain insect-pests, enhancing fertilizer use efficiency, neem in health and cosmetics, various therapeutic uses such as malaria and vector control, contraceptive, ancient veterinary medicines, uses of neem bark in dyeing cotton fabrics and steps for promoting neem and its cultivation. Hopefully, this book will be very useful for researchers of various disciplines such as botany, forestry, chemistry, toxicology, agrochemicals, soil science, agronomy, entomology, plant pathology, medical and veterinary science and to the environmental conscious farmers of developed and developing countries. The present book includes 37 chapters broadly divided in 8 sections contributed by eminent scientists working on different aspects of neem. An attempt has been made to present as many aspects as possible under the sections given below:

Salient Features

Salient Features:

- ▶ This monograph has 37 chapters, providing detailed information on distribution & ethnobotany, cultivation, improvement, chemical aspects, bioactivity, and the various medicinal and agricultural uses of neem.
- ▶ Pictures, diagrams and data tables have been included appropriately to supplement the text.
- ▶ Chapters are contributed by 70 eminent scientists and academicians.

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About the Author

K.K. Singh :- "

K K Singh did his B.Sc. (Ag.) Hons, M. Sc. (Ag) in Agricultural Chemistry and Soil Science in first division from Agra University, Agra and M. Phil and Ph.D. in Applied Chemistry from AMU, Aligarh. He availed UGC-JRF during his M.Phil, and Ph.d. studies. He Qualified GATA-91 examination with overall percentile score of 91.55. He qualified at a National Eligibility Test in Soil Sci.-Soil Chem. Fert, and Microb. In 1995 and NET-1997 in Soil Sci-Soil physics/ Soil and water Conservation organized by agriculture Scientist Recruitment Board, New Delhi. He joined the Department of Agriculture, Govt. of Rajasthan in 1993 as Assistant Agril. Research Officer (Chem.) in a Gazette position and presently working at project Directorate (Research), Agriculture and Soil Survey, Krishi Bhavan, Bikaner. He has also served as Assistant Professor (soil and Water Conservation) for a short stint at Sher-E-Kashmir University of Agriculture Sciences and Technology (RARS, Leh), Srinagar. He has 30 research papers, 45 articles, 20 chapters and 6 books published to his credit. He is also a recipient of ARIC "Crop Research Award-1997" for his significant contribution for promoting literature in the field of agriculture, 20th Century 'young Agricultural Scientist Award', and " Best Paper Award". He has attended a number of national/international seminars/conferences/ workshops and presented papers. He was a member of Editorial Board of J Crop Research from 2001-20013. He is a life Member of Indian Science Congress Association. He is also an expert of agricultural programmes broadcast from AIR, Bikaner.

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R.S. Dhillon :- "

R S Dhillon, Ph.D in Agroforestry has 14 years research, teaching and extension experience in the field of Forestry/ Agroforestry. His main emphasis is on tree improvement, biotechnology and agroforestry research. He worked on a broad based research problem i.e. "breeding system and use of molecular markers in assessment of genetic diversity of neem". For his Ph.D. degree. Dr. Dhillon has 39 research papers published to his credit in journals of national/ International repute. He has worked as Co-Principal Investigator in three ad hoc research projects on genetic improvement of *Azadirachta indica* (neem), *Dalbergia sissoo* (shisham) and *Prosopis cineraria* (khejri) sanctioned by ICFRE, Dehradun.

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Suman Phogat :- Suman Phogat did his D. Pharma, B.Sc. (Med.) , M. Sc. (Chem) from the Maharshi Dayanand University, Rohtak with first division and Ph.D. in Chemistry from Chaudhary Charan Shing University, Meerut. She has also done B.Ed. and M.Ed. Degree from the Maharshi Dayanand University, Rohtak. She had been actively involved in teaching of chemistry and Science education in the School and college level for the last 10 years. She has contributed a number of research papers on synthesis and biological activity of organic compounds in the reputed Journals. She has also contributed book chapters and articles on various aspects of environmental degradation and resources conversation. She has also one book published in her credit.