Essential Concepts in Toxicology
Compendium for Pharmacy, Medical, Forensic and Veterinary Toxicology

P K Gupta

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Essential Concepts in Toxicology: Compendium for Pharmacy, Medical, Forensic and Veterinary Toxicology is the first complete text material for offering courses specially for pharmacy, medical, forensic, veterinary and related area in toxicology bringing together all aspects of toxicology required to thoroughly prepare BSc, MSc, MBBS, BVSc, Forensic specialists and Veterinary students and will also serve as reference to research workers in the field of toxicology.

It provides most cutting-edge text on a wide range of toxins and poisoning in human beings, farm and pet animals, as well as avian, aquatic, and exotic species. The book provides an easy to follow format that is designed to help students easily understand the information presented.

Key Features
This book offers many novel topics, including
- Concise description of chronological events of historical aspects
- Exclusive coverage of basic and fundamental principles of toxicology
- Description of various toxicokinetics and PBTK models
- Details of regulatory issues and laws
- In-depth coverage of target organs, including development and reproductive toxicity
- Toxicity of metals, plant and animal toxins, and other xenobiotics
- In vitro methods Gene mutations and their implications
- In vivo test systems and safety evaluation of pharmaceuticals
- In depth coverage of testing protocols of medical devices and bioengineered products
- Toxicity of commonly used and abused drugs
- Details of industrial and environmental chemicals
- Useful information on toxicity of bacterial and venomous organisms
- Pesticides / agrochemicals and their poisoning
- Description of laboratory based diagnostic and analytical toxicology
- Detailed coverage of preventive and therapeutic interventions
- New concepts including Principles of Good Laboratory Practices and Standard Operating Procedures

Contents

Prof. Dr. Gupta is an internationally known toxicologist with more than 45 years of experience in the field of teaching and research. He has guided many post-graduate students for their thesis work in toxicology and was honored with several National and International Awards including best teachers, best researcher, Alarum, Lifetime achievements, and IUTOX-AstraZeneca Award (USA). To his credit he has several books, book chapters (Elsevier, Academic Press, John Wiley) as well as scientific research publications (540) published in National and International peer reviewed Journals of repute. His contribution in the publication of Indian Veterinary Pharmacopoeia is highly praise worthy. He is the founder Editor-in-Chief of a peer reviewed scientific journal “Toxicology International”, and Book Review Editor, Marcel Dekker, USA; Expert member Consultant and Advisor to WHO, Geneva; Consultant United Nations FAO, Rome; IAEA, Vienna; Founder Academy of Sciences for Animal Welfare; Founder and Past President, Society of Toxicology of India; Adjunct Professor, SRMS; founder director and member nominating committee of Indian Union of Toxicology; founder President of Society of Toxicology of India, and has held several prominent positions of scientific organizations in India and abroad.

In addition to this Dr Gupta has also been biographer in several WHO’s WHO from all over the world including Marquis WHOs WHO (USA), IBC (UK) and other leading publications of the World.

At present Dr Gupta is Editor-in-Chief of peer reviewed PUBMED indexed scientific Journal “Toxicology International, Patron and Founder President of the Society of Toxicology of India, and President of the Academy of Sciences for Animal Welfare.

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