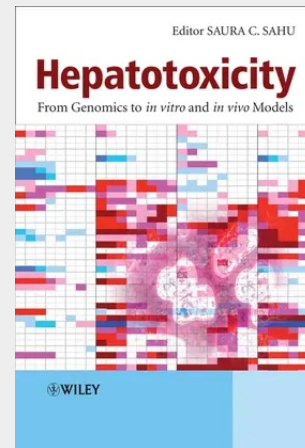


Hepatotoxicity

This book addresses all the current, up-to-date developments in this scientific discipline. Liver is the chief metabolizing site in the body, and thus, it is a major target organ for drug and chemical toxicity. Therefore, hepatotoxicity is an important endpoint in the safety evaluation of drugs and chemicals. Contributions from leading investigators in hepatotoxicity research address current developments in this scientific discipline and discuss use of current cutting edge technology such as microarrays in hepatotoxicity thus providing a better understanding of hepatotoxins, their interactions and mechanisms of action. This valuable authoritative source of information is the first book to address this topic for nearly ten years, making it an essential resource for readers from a wide range of disciplines such as toxicology, pharmacology, hepatology, drug toxicity and food science.

Liver, the primary organ involved in xenobiotic metabolism, is a major target organ for many drugs, chemicals and microbial pathogens. Therefore, hepatotoxicity is one of the most serious safety concerns in their safety evaluation. Hepatotoxicity is an authoritative compilation of recent advances in this discipline, presented by leading international investigators, and demonstrating the multidisciplinary nature of this research field. The book addresses newer methodologies and emerging new technologies including toxicogenomics. Topics covered include: * models that are currently used for hepatotoxicity testing and screening * hepatocyte cultures * biomarkers of hepatotoxicity * various mechanisms involved in hepatotoxicity * genomics of hepatotoxicity * gender difference in hepatotoxicity * relationship between hepatotoxicity and hepatocarcinogenicity * hepatotoxicity of botanical supplements * risk assessment of hepatotoxins. Hepatotoxicity gives an essential insight into the current trends and future directions of research in this field, and will be a valuable and excellent source of up-to-date information for toxicologists, investigators, risk assessors and regulators in academia, industry and government.



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