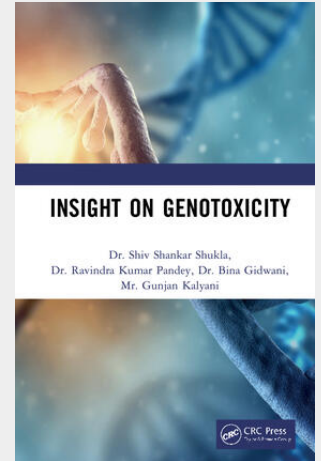


Insight on Genotoxicity

Genetic toxicology is considered to be an important assessment tool as there is genetic impact of artificial chemicals. Insight on Genotoxicity discusses testing, mechanism, prediction, and bioindicator of genotoxicity taking into consideration recent advances in nano-engineered particles. Corollary of DNA dent is also discussed in detail taking into consideration the impact of ICH guidelines on genotoxicity testing, which is important for drug discovery innovation and development. Perspective review of genotoxicity evaluation in phytopharmaceuticals has been mentioned along with the prevention of genotoxicity in brief viewpoint. Salient Features - Presents methods, standard protocols, and guidelines for genotoxicity testing - Examines the impact of ICH Guidelines on genetic toxicity testing which is a regulatory requirement for drug discovery and development - Defines appropriate strategies about advances in in vivo genotoxicity testing which have been listed along with progress and prospects - Discusses advancement in the high-throughput approaches for genotoxicity testing - Details computational prediction of genotoxicity with consideration of mutagenicity, chromosomal damage caused and strategies for computational prediction in drug development



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