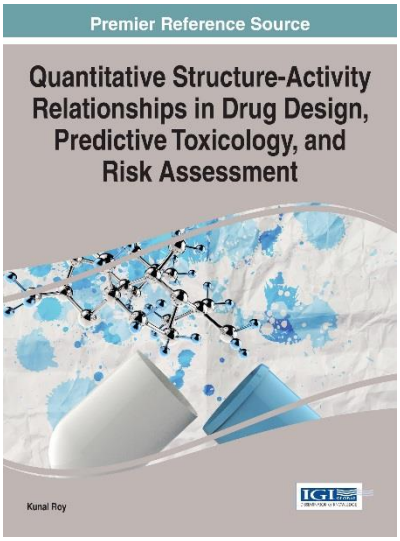
Quantitative Structure-Activity Relationships in Drug Design, Predictive Toxicology, and Risk Assessment

Part of the Advances in Chemical and Materials Engineering Book Series

Editor: Kunal Roy (Jadavpur University, India)



Description:

Quantitative structure-activity relationships (QSARs) represent predictive models derived from the application of statistical tools correlating biological activity or other properties of chemicals with descriptors representative of molecular structure and/or property.

Quantitative Structure-Activity Relationships in Drug Design, Predictive Toxicology, and Risk Assessment discusses recent advancements in the field of QSARs with special reference to their application in drug development, predictive toxicology, and chemical risk analysis.

Readers:

Focusing on emerging research in the field, this book is an ideal reference source for industry professionals, students, and academicians in the fields of medicinal chemistry and toxicology.

ISBN: 9781466681361 **Release Date:** February, 2015 **Copyright:** 2015 **Pages:** 727

Topics Covered:

- CORAL for QSAR/QSPR Studies
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- Lead Optimization of Potential Drug Candidate
- Novel Descriptors in QSAR
- QSAR for Antioxidants
- Toxicity of Nanomaterials

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