

Recent Advances in QSAR Studies



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This book presents an interdisciplinary overview on the most recent advances in QSAR studies. The first part is handbook-esque and consists of a comprehensive review of QSAR methodology written by outstanding scientists and highly experienced lecturers. It focuses on methodology and new ideas, providing readers with an idea of recent trends and developments in each part of QSAR strategy (descriptors, methods of modelling, validation). The second part highlights the interdisciplinary aspects and new areas of QSAR modelling. It outlines the theoretical framework together with practical applications. The most optimal solutions (descriptors, mathematical/statistical methods, validation) in the individual areas of interest (environmental risk assessment, drug design, etc.) are also discussed in more detail. "Recent Advances in QSAR Studies: Methods and Applications" is targeted at scientists focussed on developing new methodologies as well as researchers engaged in trying to solve specific problems via QSAR.

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