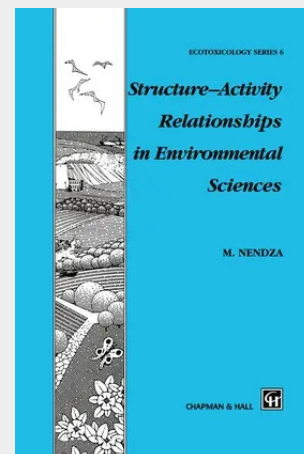


Structure-Activity Relationships in Environmental Sciences

is the first book of its kind that brings together information from a variety of sources into one document. It provides a comprehensive overview of the entire field of quantitative structure-activity relationships (QSARs) as well as being a reference for SAR experts. The book comprises three parts. Part One covers the theoretical background of structure-activity studies and Part Two deals with the practical applications of such methods in the environmental sciences. Part Three critically discusses SAR models with respect to their reliability and their aptness in environmental hazard and risk assessment. Recommendations are made as to which model to use and the case is presented for using QSARs in hazard assessment.

The use of QSARs is becoming increasingly important since there is little experimental data available on environmentally relevant chemicals. will thus serve as an invaluable guide to both postgraduate and research scientists as well as professional ecologists.

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