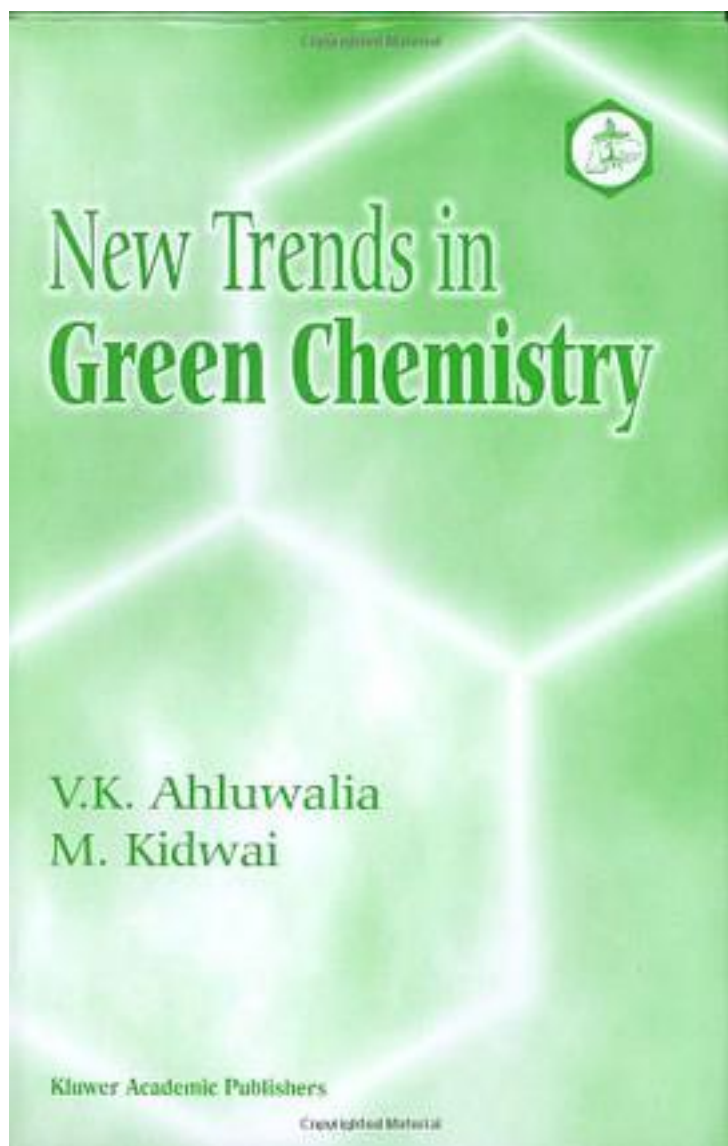


New Trends in Green Chemistry



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The synthesis of molecules having diverse uses in medicines, agrochemicals and biomolecules are dealt with in organic chemistry. The basic concern of the industries producing such chemicals is the type of reaction involved and the percentage of yield etc. so that synthesis becomes cost effective giving special attention to ensure that there is no environmental pollution. All these considerations form the basis of green chemistry - the pressing need of the world. This book describes the methodologies/technologies to carry out green synthesis, which is extremely important for industries and also for chemical laboratories. The main features discussed are: -Designing a green synthesis; -Basic principles of green chemistry; -Prevention of environmental pollution; -Microwave induced and ultrasound assisted green synthesis; -Organic synthesis in aqueous phase and solid phase; -Use of green reagents, green catalysts and green solvents.

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