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# **Organofluorine Chemistry**

## **Fluorinated Alkenes and Reactive Intermediates**

**Volume Editor: R. D. Chambers**

With contributions by  
B. Améduri, V. V. Bardin, B. Boutevin,  
R. D. Chambers, W. R. Dolbier, Jr.,  
U. A. Petrov, J. F. S. Vaughan



This series presents critical reviews of the present position and future trends in modern chemical research. It is addressed to all research and industrial chemists who wish to keep abreast of advances in the topics covered.

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## Preface

Fluorine is unique, in that it is possible to replace hydrogen in an organic molecule by fluorine either singly or multiply and, in so-doing, create a potentially infinite extension to organic chemistry that is entirely synthetic. The excitement of the chemistry of these systems stems from the unique reactions that ensue and the 'special-effects' that introduction of fluorine impart. Indeed, these effects are now exploited in a remarkable array of applications across the whole of the chemical, pharmaceutical, and plant-protection industries, although this is not widely appreciated. In this book, we have gathered authors with immense experience in various aspects of their field and each is a world-authority on the important topics they have described. Some topics, like the use of elemental fluorine, and enzymes in synthesis, are relatively new areas that are rapidly growing.

We dedicate the book to a long standing friend, Professor George Olah, in the year of his 70th birthday, in recognition of his massive achievements.

Durham, May 1997

Dick Chambers

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