

PREFACE

In recent years, there has been continuing widespread interest in the field of singlet oxygen chemistry following the demonstration that it is a reactive species in sensitized photooxygenation. The large number of recent publications have included investigations on the mechanisms of photooxygenation, exploration of singlet oxygen reactivity with new types of substrates, physical studies on the relaxation and lifetimes, and possible roles of singlet oxygen in biological and environmental processes. The varied uses of sensitized photooxygenation in organic synthesis, particularly for the preparation of many types of intriguing oxygenated intermediates, have also been delineated by organic chemists.

This Symposium-in-Print presents contributions from some of the research groups that are well established in this area, where on-going research projects could provide current aspects of singlet oxygen chemistry and photooxidation reactions. It is hoped that this short Symposium will clearly reveal some of the excitement and diversity of current research in this important field. We are most grateful to the authors who have kindly contributed articles to this issue.

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