

CATALYSIS OF ORGANIC REACTIONS

edited by

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*Air Products and Chemicals
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CATALYSIS OF ORGANIC REACTIONS

To my parents

EHF and GIF

Preface

Catalysis of Organic Reactions is a compendium of 58 chapters that originated from contributed papers and posters presented at the 18th Conference on Catalysis of Organic Reactions in Charleston, South Carolina. The symposium was sponsored by the Organic Reactions Catalysis Society (ORCS). These proceedings document recent, novel developments in the study of catalysis as it pertains to organic synthesis and its application in industrial processes. Over the years, the ORCS Conference has provided a forum for chemists and engineers from chemical and pharmaceutical industries and from academia to present and discuss their work on the application of catalysis in organic synthesis.

Written by over 200 experts from industry and academia, *Catalysis of Organic Reactions* surveys a wide range of homogeneous and heterogeneous catalysis for industrial and pharmaceutical chemicals. Topics addressed include practical aspects of catalytic processes, recent developments in enantioselective hydrogenation, heterogeneously and homogeneously catalyzed hydrogenations and oxidation, environmental catalysis, solid acid-base catalysis, methods for immobilization of homogeneous catalysts, carbonylation, hydroaminomethylation, and a variety of other topics.

The 18th Conference recognizes the generous support of Searle, which, with the sponsorship of Mike Scaros, published the conference preprints. The generosity of the corporate sponsors, Air Products & Chemicals, Dow Chemical, E.I. DuPont, W. R. Grace & Co.-Conn., Johnson Matthey, Eli Lilly & Co., Merck & Co., Monsanto, Parr Instruments, Phillips Petroleum, and Uniroyal Chemical is also gratefully acknowledged.

I wish to express my appreciation to all the contributors for their superb efforts in the preparation and presentation of the papers and posters, and to the Session Chairs for their introduction of the speakers. In addition, I want to personally thank the Executive and Editorial Boards of the Organic Reactions Catalysis Society for their time, encouragement and help in organizing this conference. Additional thanks go to all the referees who gave their time to review and improve the manuscripts.

Michael E. Ford

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