

Preface

In one of the largest generic areas of chemistry (especially oxidations), there are countless processes operated by almost every type of chemical manufacturing company, producing products of incalculable value, yet producing almost immeasurable volumes of waste. Hence from the viewpoint of green chemistry, the search for efficient and heterogeneous catalytic systems exploiting clean oxidants such as molecular oxygen is highly desirable.

The present book emphasizes the different types of green heterogeneous catalysts based on phosphomolybdates as well as their use as catalysts for solvent-free oxidation of alcohols using molecular oxygen as an oxidant.

This book will be of interest to all chemists, material scientists as well as students having basic knowledge of inorganic chemistry and catalysis. It will be of enormous value to postgraduates and researchers working in the field of green chemistry.

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Oxidation

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