



## Book reviews

### **Reaction Engineering for Pollution Prevention**

M.A. Abraham and R.P. Hesketh (Eds.); Elsevier Science, Amsterdam, 2000, 332 pp., NLG 425 (Euro 193.86)/US\$ 222.50, ISBN 0-444-50215-7

This book contains 21 of the 50 papers presented in a Topical Conference on Environmental Reaction Engineering and Catalysis held by the Catalysis and Reaction Engineering division of the American Institute of Chemical Engineers (AIChE) as a part of the 1998 annual AIChE meeting in Miami Beach, Florida. Papers selected for this proceeding volume deal broadly with environmental reaction engineering, defined by the book's editors as "the use of reaction engineering principles including reactor design for the development of processes that provide an environmental benefit".

The papers are categorized under four major headings:

1. Combustion and CO<sub>2</sub> — several of the seven papers in this section deal with CO<sub>2</sub> produced by combustion and its potential recovery and disposal.
2. Catalytic reactions — the elimination of NO<sub>x</sub> and VOCs and organics by catalysis are the subject of several papers in this six-paper section.
3. Supercritical fluids — CO<sub>2</sub> used as a critical fluid is the focus of three of the four papers.
4. Reactor design and miscellaneous contributions — four papers on diverse topics including one on pollution prevention.

PII:S0304-3894(00)00313-7

GARY F. BENNETT

### **Bioremediation of Contaminated Soils**

Donald L. Wise, Debra J. Trantolo, Edward J. Cichon, Hilary I. Inyang and Ulrich Stottmeister (Eds.), Marcel Dekker, New York, NY, 2000, US\$ 235.00, 920 pp., ISBN: 0-8247-0333-2

It is a daunting task to attempt to review a 900-page text, especially one that contains 48 different research papers contributed by more than 150 scientists from 18 different countries. Indeed, I was amazed at the number of papers from Europe and especially Russia (nine each from Russia and Germany). These countries' contributions were only exceeded in number by US.

The papers cover a wide range of topics, roughly placed in one of four sections.