

# Developments in Chemical Engineering & Mineral Processing

*The Australasian Research Journal*

---

**Volume 6, Numbers 3/4, 1998**

**ISSN 0969-1855**

## ***Special Theme Issue: Catalysis and Reactor Engineering***

- 121 Modeling of fluidized bed reactors for the polymerization reaction of ethylene and propylene *A.E. Abasaeed and S.M. Al-Zahrani*
- 135 Bifurcation analysis of cubic autocatalytic reactions: Newton polyhedron approach *A.A. Adesina*
- 153 Kinetic investigation of the copolymerization of acrylonitrile and vinyl acetate in bulk *N.T. McManus, A. Penlidis and G.L. Rempel*
- 171 Removal of lead(II) by mordenites *S. Dai, Y. Kato, D. Guang and R. Amal*
- 185 Modeling ions through conjugation operators *M. Foisy, S. Fosdick, C. Wicke and M.L. Mavrovouniotis*
- 197 The utilization of fluidized bed reactors for oxidative coupling of methane *S.M. Al-Zahrani and A.E. Abasaeed*
- 211 Partial oxidation of propylene over hydrophobic catalysts in a slurry reactor *W. Liang, K.T. Chuang and B. Zhou*