Contents

Dispersion and Flocculation

The Role of Polymers in Dispersion Stability
R. Hogg and C. Rattanakawin

Synthesis of New Polymeric Surfactants and Dispersants Via Atom Transfer Radical Polymerisation at Ambient Temperature

Role of Colloidal Interactions in Determining Rheology
D.M. Heyes and J.F.M. Lodge

New Polymeric Dispersants for Very Fine Calcium Carbonate Slurries
Y. Duccini and A. DuFour

AMP-95\textsuperscript{TM} for Mineral Dispersion
T. Gole

Pigment Dispersion Technology for the Paper Industry
D.J. Mogridge, J.S. Phipps, K.R. Rogan and D.R. Skuse

Selective Processing

An AFM and XPS Investigation of the Selective Flocculation of Kaolinite from a Mineral Mixture
J.S. Dalton, G.C. Allen, K.R. Hallam, N.J. Elton, J.J. Hooper and D.R. Skuse
The Nature of Adsorption Sites on Unrefined and Ball Milled Kaolin. A Diffuse Reflectance Infrared Fourier Transform Spectroscopic Study
C. Breen, J. Illés, J. Yarwood and D.R. Skuse

Contents

Computer Simulation of Water Molecules at Mineral Surfaces
M. Warne, N.L. Allan and T. Cosgrove

Modified Hydroxamate Collectors for Kaolin Flotation
C. Basilio, R.A. Lowe, A. Gorken, L. Magliocco and R. Hagy

Microbiological Control
The Biocidal Products Directive and the Mineral Processing Industry: Possible Issues and Implications
J. Duddridge

Microbiological Problems in Mineral Slurries – Control Options in 2001
W.G. Guthrie and D.W. Ashworth

Modern Microbiological Problems and Solutions for the Pigment Slurry Industry
J.L. Martin

Subject Index