

Contents

Dispersion and Flocculation

The Role of Polymers in Dispersion Stability <i>R. Hogg and C. Rattanakawin</i>	3
Synthesis of New Polymeric Surfactants and Dispersants <i>Via</i> Atom Transfer Radical Polymerisation at Ambient Temperature <i>S.P. Armes, K.L. Robinson, S.Y. Liu, X.S. Wang, F.L.G. Malet and S.A. Furlong</i>	21
Role of Colloidal Interactions in Determining Rheology <i>D.M. Heyes and J.F.M. Lodge</i>	31
New Polymeric Dispersants for Very Fine Calcium Carbonate Slurries <i>Y. Duccini and A. DuFour</i>	38
AMP-95™ for Mineral Dispersion <i>T. Gole</i>	47
Pigment Dispersion Technology for the Paper Industry <i>D.J. Mogridge, J.S. Phipps, K.R. Rogan and D.R. Skuse</i>	55

Selective Processing

An AFM and XPS Investigation of the Selective Flocculation of Kaolinite from a Mineral Mixture <i>J.S. Dalton, G.C. Allen, K.R. Hallam, N.J. Elton, J.J. Hooper and D.R. Skuse</i>	71
--	----

The Nature of Adsorption Sites on Unrefined and Ball Milled Kaolin. A Diffuse Reflectance Infrared Fourier Transform Spectroscopic Study <i>C. Breen, J. Illés, J. Yarwood and D.R. Skuse</i>	81
Computer Simulation of Water Molecules at Mineral Surfaces <i>M. Warne, N.L. Allan and T. Cosgrove</i>	90
Modified Hydroxamate Collectors for Kaolin Flotation <i>C. Basilio, R.A. Lowe, A. Gorken, L. Magliocco and R. Hagy</i>	102
Microbiological Control	
The Biocidal Products Directive and the Mineral Processing Industry: Possible Issues and Implications <i>J. Duddridge</i>	111
Microbiological Problems in Mineral Slurries – Control Options in 2001 <i>W.G. Guthrie and D.W. Ashworth</i>	123
Modern Microbiological Problems and Solutions for the Pigment Slurry Industry <i>J.L. Martin</i>	133
Subject Index	141