



VOLUME 93, NO. 1

1 SEPTEMBER 2009

ISSN 0301-7516

**INTERNATIONAL JOURNAL OF
MINERAL
PROCESSING**

**Editors: K. Heiskanen
D.R. Nagaraj**

(Abstracted/Indexed in: A.G.I.'s Bibliography and Index of Geology, Chemical Abstracts, Current Contents, Pascal/CNRS)
Also covered in the abstract and citation database SCOPUS®. Full text available in ScienceDirect®.

Review article

- Recovery of valuable materials from aluminium salt cakes
W.J. Bruckard and J.T. Woodcock 1

Research papers

- Purification of diatomite powder by acid leaching for use in fabrication of porous ceramics
O. Şan, R. Gören and C. Özgür 6
- Viscous, cohesive, non-Newtonian, depositing, radial slurry flow
H. Alehossein 11
- Smectite suspension structural behaviour
G.E. Morris and M.S. Žbik 20
- Potential use of model predictive control for optimizing the column flotation process
M. Maldonado, A. Desbiens and R. del Villar 26
- Precipitation of dodecyl amine in KCl–NaCl saturated brine and attachment of amine particles to KCl and NaCl surfaces
E. Burdukova, J.S. Laskowski and G.R. Forbes 34
- Surface and rheological properties of as-received colloidal goethite (α -FeOOH) suspensions: pH and polyethylenimine effects
C. Madigan, Y.K. Leong and B.C. Ong 41
- Liberation-limited grade/recovery curves from X-ray micro CT analysis of feed material for the evaluation of separation efficiency
J.D. Miller, C.-L. Lin, L. Hupka and M.I. Al-Wakeel 48
- Effect of collector, pH and ionic strength on the cationic flotation of kaolinite
X. Ma, W.J. Bruckard and R. Holmes 54
- Grinding of mineral mixtures in high-pressure grinding rolls
A.-Z.M. Abouzeid and D.W. Fuerstenau 59
- A cryo-SEM study of aggregate and floc structure changes during clay settling and raking processes
J. Du, R.A. Pushkarova and R.St.C. Smart 66
- 11 Å tobermorite from cement bypass dust and waste container glass: A feasibility study
N.J. Coleman, C.J. Trice and J.W. Nicholson 73
- A shrinking particle—shrinking core model for leaching of a zinc ore containing silica
V. Safari, G. Arzpeyma, F. Rashchi and N. Mostoufi 79

Short communication

- Precipitation of calcium carbonate from hydrated lime of variable reactivity, granulation and optical properties
J. Kemperl and J. Maček 84

