CONTENTS - Volume 19, No. 4

Supergene alteration, environmental impact and laboratory scale acid water treatment of Cyprus-type ore deposits: case study of Mathiatis and Sha abandoned mines
Evangelos Galanopoulos, Nikolaos Skarpelis & Aristide Argyraki

Geochemistry, mineralogy, and acid-generating behaviour of efflorescent sulphate salts in underground mines in Nevada, USA
Connor P. Newman, Karl W. McCrea, Joshua Zimmerman, George Burke & Salt Anderson

Geochemical modelling and mapping of Cu and Fe anomalies in soil using combining sequential Gaussian co-simulation and local singularity analysis: a case study from Dedeyaz (Malayat) region, SE Turkey
Adem Erosy & Tayfun Y. Yunsel

X-ray transmission and pXRF: implications for the analysis of geological samples through different media
Michael F. Gazley & Katrin Welinitz

Geochemical zonality coefficients in the primary halo of Tavreh mercury prospect, northwestern Iran: implications for exploration of listwaenitic type mercury deposits
Ali Imamalipour, Mahdieh Karimlou & Behzad Hajaliio

Quantitative source apportionment of groundwater pollution: a case study of alluvial fan groundwater in the Hun river region, NE China
Li Meng, Rui Zuo, Jin-sheng Wang, Xue-ru Guo, Jie Yang, Yan-guo Teng, Yuan-hui Lin & Rong-tao Shi

Creation of an atlas of lake-sediment geochemistry of Western Labrador and Northeastern Quebec
Stephen Amor, Martin McCurdy & Robert Garrett

Geochemical footprint of the Millennium unconformity-type uranium deposit, Canada: implications for vectoring new targets
S. Guffey, S. Piercey, K. Ansdell, K. Kyser, T. Kotzer, D. Quirt & G. Zaluski

Comparison of the geochemical determination of rare earth elements: Rock Canyon Creek REE–Ba deposit case study, SE British Columbia, Canada
Carlee Akam, George J. Simandl, Ray Lett, Suzanne Paradis, Mihoko Hoshino, Yoshiaki Kon, Daisuke Araoka, Craig Green, Shinshuke Kodama, Tetsuichi Takagi & Manzur Chaudhry

Geochemical mapping and estimation of background concentrations in soils of Carajás mineral province, eastern Amazonian Craton, Brazil
Gabriel Negreiros Salomão, Roberto Dall’Agno, Rômulo S. Angelica, Marco Aurélio Figueiredo, Pratulika K. Sahoo, Carlos A. de Medeiros Filho & Marlene F. da Costa

Petrography and geochemistry of tourmaline breccia in the Longtoushan Au deposit, South China: genesis and its exploration significance
Mingyi Zhang, Dehui Zhang, Bo Zhao, Mingqian Wu, Bo Bao, Yingkang Liu & Chong Huang

The determination of phosphate in rocks and iron ores using inductively coupled plasma with optical emission spectroscopy (ICP-OES)
M. M. R. Mostert

Identification of the expression of earthquake-induced surface flooding by groundwater using detailed regolith mapping at the buried Atlántida Deposit, northern Chile
A. E. Brown, P. A. Winterburn & T. Bissig

Geochemical signature of earthquake-induced surface flooding by mineralized groundwater over the buried Atlántida deposit, northern Chile
A. E. Brown, P. A. Winterburn & T. Bissig