



Langer Heinrich Uranium

Harmony Gold mining company – South Uranium
plant, ion-exchange plant

ECSA and SACNASP Validated CPD
Activity Credits = 0.1 per hour attended

ABSTRACT RECEIVED



Optimizing ventilation systems in deep nickel mines: A scoping review

T.P. Togara, *University of the Witwatersrand, South Africa*

Case Study: Innovative control strategies for scaling process water in uranium operations

S. Mhlongo, *Solenis LLC, South Africa*

Recovery of Uranium from Bra Uranium Deposits by Nitric Acid Leaching

M.A. Raji, D.J. van der Westhuizen, S.O. Raji, A.A. Baba, *North-West University, South Africa*

The invisible challenge? Considering radioactivity and NORMs in underground mine planning for Critical Raw Materials and REEs

L. Schaarschmidt, *TU Bergakademie, Germany*

Management of iron level in yellow cake during uranium processing

M. Ramabulana, O. Bazhko, *Research, South Africa*

Heap leaching as a low-cost process route for uranium ores

S. Mxinwa, S.W. Robertson, M. Ramabulana, V. Govender, A. Kotsiopoulos, *Mintek, South Africa*

Application of RIP in Alkaline Uranium Leaching Process of Carnotite Ores

C. Bornheim, *South Africa*

From Single-Parameter to Multivariable Sorting: Full-Spectrum XRF for Uranium Pre-concentration and Mineralogical Control

N. Odjar, A. Fouchee, *Rados International, South Africa*

Design Philosophy and Venturi Scrubber Evolution for High-Particulate Uranium Calciner Off-Gas Systems

L. de Witt, T. Post, *About Air Pollution, South Africa*

Techno-economic Drivers in Uranium Processing: A Case-Based Framework for Optimal Flowsheet Selection

A. Naidoo, V. E. Coetzee, *DRA Global, South Africa*

Operational optimisation of uranium milling using process modelling

J. Adams, L. Lei, *Hatch Ltd, Canada*

The technical and economic feasibility of replacing pyrolusite with hydrogen peroxide in the oxidative leaching of a uranium ore from Namibia.

W.A. Ngobeni, D. Verwey, *BME Metallurgy, South Africa*

Purification of the nanofiltration product using magnesium oxide to remove iron and other impurities from the Namibian operation

W.A. Ngobeni, D. Verwey, *BME Metallurgy, South Africa*

Transforming uranium hydrometallurgy: reagent recovery and operational expenditure optimisation through nanofiltration

L. Bartel, *Memcon, South Africa*

Overview on the Development of the Jordan Uranium Project

M. Al-Shannag, M. Alnaief, *Jordan Uranium Mining Company (JUMCO)*

Integrated process development for uranium yellowcake production from Central Jordan low-grade deposits

M. Hussein Ali Alnaief, M. Alnaief; M. Al-Shannag, *Jordan Uranium Mining Company (JUMCO)*

Comparison of diluent characteristics on the solvent extraction of uranium with a tertiary amine extractant

K.C. Sole, K. Harkema, *University of Pretoria, South Africa*

The Dasa Uranium Project (Part 1): Discovery, Geology, Mine Development, and Infrastructure in the Tim Merso Basin, Niger

S. G. Roman, S. Faucher, *Global Atomic Corporation, Canada*

The Dasa Uranium Project (Part 2): High-Solids Pug Leaching, Metallurgical Testwork, and Hydrometallurgical Plant Design

S. Faucher, S. G. Roman, *Global Atomic Corporation, Canada*

Secondary uranium mineralisation in Tumas East, Erongo Region, Namibia

R.G. Viring, *South Africa*

Assessment of Thermal Comfort and Breathability performance of disposable protective apparel for African Uranium Mining and Processing environments

A. Maharaj, Du Pont, *South Africa*

Trade-offs Between Settling Rate and Turbidity in Uranium Processing: A Case for Circuit-Specific Flocculant Design

N.J. Shackleton¹, D. Prinsloo¹, M. Borocho², G. Van Der Merwe³, S. Siguqa¹, S. Engelkbrecht¹, ¹AECI Mining Chemicals, South Africa, ²AECI Mining Chemicals, South Africa, ³AECI Mining Chemicals, Namibia"