

## Shortened CV

Albert J van Zyl

Albert van Zyl is a registered professional soil scientist with 24 years experience in the environmental field. He has specialist skills in the application of numerical modelling to soil cover water balance, unsaturated flow, seepage impact, liner leakage, contaminant transport in the vadose zone, hydrology, hydrogeology, erosion and sedimentation, and carbon sequestration models. His consulting assignments have included several assessments related to soil covers, seepage impact assessments from contaminated land, tailings, waste facilities and backfilled pits, contaminant fate and transport investigations, catchment erosion and sedimentation, and effect of conservation agriculture on carbon sequestration. He was involved in numerical modelling of over 26 tailings facilities, 17 discard facilities, backfilled pits and waste rock dumps and 12 industrial waste facilities. He is currently involved in research projects on the assessment of and the development of technical guidelines on soil cover design, construction quality, care and maintenance and aging to limit moisture and oxygen ingress, and acid mine drainage from coal discard dumps and backfilled pits.