

CURRICULUM VITAE

RINAE MAKHADI

Contact details:

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Tertiary and professional education:

Qualifications

- BSc (Geology) – University of the Free State (2009-2011)
- BSc (Hons) (Geology) – University of the Free State (2012)
- MEM (Master of Environmental Management) – University of the Free State (2016-2019)
- BSc (Hons) (Geohydrology) – University of the Free State (2018)

Awards

9th annual Inkaba yeAfrica award for one of the best oral presentations, November 2012
Centre for Environmental Management (UFS), recognition for mini-dissertation with distinction
Nominee for the 2019 CTL Khotatsa awards

Work Experience:

Institution *University of the Free State*
Department *Geology*
Position held *Student assistant*
Duration *2011-2012*

Institution *University of the Free State*
Department *Geology*
Position held *Junior lecturer*
Duration *2014-**

Skills and competencies:

Contaminated site investigations (for projects on solid waste disposal facilities, groundwater contamination, acid mine drainage and untreated sewage waste)
Sound knowledge and experience in relevant environmental legislations in South Africa (NEMA, NWA, MPRDA, NWMS, NEMAQA)

Lecturing experience:

University of the Free State

First year *General Geology and South African Stratigraphy* (1624) (2015-2019)

Second year *Environmental Geology* (2646/43) (2015-2019)

Community service:

- Free State provincial organiser: Minquiz National Science Competition (2016-2018)
- Representative of the Geology Department (UFS): Creative Minds Club for disadvantaged learners in the Free State Province (2019-*)

Publication record:

Dissertations

1. Makhadi, R. (2012) *Geochemical analysis of surface water quality in the Welkom area with special reference to impacts on the environment*. Unpublished honours dissertation, University of the Free State.
2. Makhadi, R. (2019) *Assessment of groundwater quality in the vicinity of municipal solid waste landfill sites in Bloemfontein, South Africa*. Unpublished master's dissertation, University of the Free State.

Submissions to peer-reviewed journals

1. Ololade, O.O., Mavimbela, S., Oke, S.A. and Makhadi, R. (2019) *Impact of leachate from northern landfill site in Bloemfontein on water and soil quality: Implications for water and food security*. *Sustainability* **11**(15) 4238; doi:10.3390/su11154238.

Conference contributions

1. Makhadi, R., Tredoux, M. and Van der Merwe, J. (2012). *Geochemical analysis of surface water quality in the Welkom area with special reference to impacts on the environment*. 9th Annual Inkaba yeAfrica Workshop, GFZ Potsdam, 26-30 November 2012.
2. Ololade, O.O., Mavimbela, S., Oke, S.A. and Makhadi, R. *Impact of leachate from northern landfill site in Bloemfontein on water and soil quality: Implications for water and food security*. 7th World Sustainability Forum, Beijing China, 19-21 September 2018.

Postgraduate supervision

1. Ngubeni, L. (2019) (BSc Hons) *The distribution of TDS concentrations in the pollution monitoring boreholes of the northern landfill site Bloemfontein, South Africa*.
2. Mokati, K. (2019) (BSc Hons) *The distribution of sulphate in the pollution monitoring boreholes of the northern landfill site Bloemfontein, South Africa*.