



RHODES UNIVERSITY, MAKHANDA, SOUTH AFRICA

STUDENT INFORMATION



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EDUCATION DETAILS:

PhD (Chemistry) current – Rhodes University, Makhanda, South Africa
BSc Masters (Chemistry) 2022 – Rhodes University, Makhanda, South Africa
BSc Honours (Chemistry) 2019 – Rhodes University, Makhanda, South Africa
BSc (Chemistry & Biochemistry) 2018 – Rhodes University, Makhanda, South Africa

RESEARCH TITLE/PROJECT:

Electrochemical detection of water pollutants

PUBLICATIONS:

1. Mbulelo Jokazi, Lekhetho S. Mpeta, and Tebello Nyokong
Electrocatalytic activity of manganese tetra 4-aminophenyl porphyrin in the presence of graphene quantum dots.

Journal of Electroanalytical Chemistry 901 (2021) 115748 (1-10)

DOI: 10.1016/j.jelechem.2021.115748

<https://doi.org/10.1016/j.jelechem.2021.115748>

2. Mbulelo Jokazi, Lekhetho S. Mpeta, Tebello Nyokong
Electrocatalytic behavior of manganese and cobalt porphyrins attached to graphene quantum dots: applied in the oxidation of hydrazine

Electroanalysis 35 (2023) 1– 15

DOI: 10.1002/elan.202200222

<https://doi.org/10.1002/elan.202200222>

CONFERENCES/WORKSHOPS:

11th Nanosciences Young Researchers' Symposium (NYRS – 2023)

Nelson Mandela University, 7 Sept 2023

Poster Presentation

M Jokazi, T Nyokong

The effect of TiO₂ nanoparticles on the catalytic activity of a porphyrin towards electrochemical sensing and photoelectrodegradation of pentachlorophenol

DSI/Mintek Nanotechnology Innovation Centre (NIC) Annual Workshop

South African Medical Research Council (MRC), 11-12 October 2023

Oral Presentation

M Jokazi, T Nyokong

The effect of TiO₂ nanoparticles on the catalytic activity of a porphyrin towards electrochemical sensing and photoelectrodegradation of pentachlorophenol