



RHODES UNIVERSITY, MAKHANDA, SOUTH AFRICA

STUDENT INFORMATION



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EDUCATION DETAILS:

PhD (Chemistry) currently – Rhodes University
MSc (Chemistry) 2022- University of Fort Hare
BSc Honours (Chemistry) 2019- University of Fort Hare
BSc (Chemistry) 2018- University of Fort Hare

RESEARCH TITLE/PROJECT:

Synthesis of porphyrin functionalized TiO₂ nanoparticles for the electrochemical sensing of organic pollutants in water

PUBLICATIONS:

1. Zipho Samuel, Mbulelo Jokazi, Nnamdi Nwahara and Tebello Nyokong
Nitrite electrochemical sensing using Cu centred porphyrin functionalized TiO₂ nanoparticles modified glassy carbon electrode

Journal of Applied Electrochemistry (2024) 1-16

<https://doi.org/10.1007/s10800-024-02232-7>

CONFERENCES/WORKSHOPS:

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

Nelson Mandela University, 7 Sept 2023

Poster Presentation

Z Samuel, M Jokazi, N Nwahara, T Nyokong

TiO₂ nanoparticles functionalized with a porphyrin for electrochemical sensing of pesticides

DSI/Mintek Nanotechnology Innovation Centre (NIC) Annual Workshop

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

Oral Presentation

TiO₂ nanoparticles functionalized with a porphyrin for electrochemical sensing of pesticides