



RHODES UNIVERSITY, GRAHAMSTOWN, SOUTH AFRICA

STUDENT INFORMATION



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EDUCATION DETAILS:

PhD (Chemistry) currently - Rhodes University, Makhanda, South Africa
BSc, BSc Honors, MSc - University of Venda, Thohoyandou, South Africa

RESEARCH TITLE/PROJECT:

Synthesis, molecular docking and DFT studies of porphyrin-type molecules for their bio-availability during photodynamic therapy

PUBLICATIONS:

1. Thembani Silas Vukeya, Refilwe Matshitse, John Mack, Yolande Openda, Earl Prinsloo and Tebello Nyokong

Effects of central metals on sugar decorated tetrakis-(4-methylthiophenyl) porphyrin considered for use in photodynamic therapy

Photodiagnosis and Photodynamic Therapy 54 (2025) 104658 (1-12)

<https://doi.org/10.1016/j.pdpdt.2025.104658>

CONFERENCES/WORKSHOPS:

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

Nelson Mandela University, 7 Sept 2023

Poster Presentation

TS Vukeya, R Matshitse, J Mack, Y Openda, T Nyokong

Effects of gold nanoparticles on the photodynamic therapy of cancer activity of sugar decorated porphyrin

(1st place – PhD Poster Presentation)