



RHODES UNIVERSITY, MAKHANDA, SOUTH AFRICA

STUDENT INFORMATION



MS PERTUNIA MACIGANE (DOCTORAL STUDENT)

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EDUCATION DETAILS:

PhD (Chemistry) currently – Rhodes University
MSc – with distinction (Chemistry) 2025 – Rhodes University
BSc Honours (Chemistry) 2022 – Rhodes University
BSc (Chemistry, Biochemistry & Psychology, with distinction in Psychology) 2021 – Rhodes University

RESEARCH TITLE/PROJECT:

Structural Modification for Photodynamic Therapy and Photodynamic Antimicrobial Chemotherapy

PUBLICATIONS:

1. Rodah C. Soy, Pertunia R. Macigane, John Mack and Tebello Nyokong
Photodynamic antibacterial chemotherapy activities of P(V) and Ga(III) triarylcorroles and their silver nanoparticle conjugates

Journal of Porphyrins and Phthalocyanines 28 (2024), 469–486

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CONFERENCES/WORKSHOPS:

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

Nelson Mandela University, 7 Sept 2023

Oral Presentation

P Macigane, T Nyokong, J Mack

The effect of Chitosan-Gold nanoparticle conjugation on Photodynamic activity of Porphyrin Photosensitiser Dyes

(2nd place – MSc Oral Presentation)