



RHODES UNIVERSITY, MAKHANDA, SOUTH AFRICA

STUDENT INFORMATION



MS PERTUNIA MACIGANE (MASTERS STUDENT)

STUDENT NO: 18M8673

SUPERVISOR: PROF JOHN MACK AND DISTINGUISHED PROFESSOR TEBELLO NYOKONG

CONTACT DETAILS:

Rhodes University
Institute for Nanotechnology Innovation
P O Box 94
Makhanda (Grahamstown) 6140, South Africa
Email: macigane.rendani@gmail.com

EDUCATION DETAILS:

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

RESEARCH TITLE/PROJECT:

Water-soluble porphyrinoids for photodynamic therapy

PUBLICATIONS:

17. 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

DOI: 10.1142/S1088424624500408

<https://doi.org/10.1142/S1088424624500408>

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)