



RHODES UNIVERSITY, MAKHANDA, SOUTH AFRICA

STUDENT INFORMATION



MR SHAKHOLA EMMANUEL SEKELEME (MASTERS STUDENT STUDENT)

STUDENT NO: 19S8442

SUPERVISOR: PROFESSOR JOHN MACK/DISTINGUISHED PROFESSOR TEBELLO NYOKONG

CONTACT DETAILS:

Rhodes University
Institute for Nanotechnology Innovation
P O Box 94
Makhanda (Grahamstown) 6140, South Africa
Email: g19s8442@campus.ru.ac.za

EDUCATION DETAILS:

BSc Honours (Chemistry) currently – Rhodes University, Makhanda, Grahamstown
BSc (Chemistry and Geology) 2022 – Rhodes University, Makhanda, Grahamstown

RESEARCH TITLE/PROJECT:

Evaluation of photodynamic activity of meso-aryl (4-bromo-thien-2-yl) - substituted photosensitizer dyes and their gold nanoparticle conjugates in dual modalities of photodynamic therapy (PDT) and PACT

CONFERENCES/WORKSHOPS:

DSI/Mintek Nanotechnology Innovation Centre (NIC) Annual Workshop

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

Poster Presentation

Shakhola E. Sekeleme, Pertunia R. Macigane, John Mack, Tebello Nyokong

4-Bromo-thien-2-yl-substituted porphyrin, chlorin and bacteriochlorin photosensitizer dyes and their gold nanoparticle conjugates for photodynamic antimicrobial chemotherapy