

STAFF PROFILE CONTENT BRIEF

https://www.dut.ac.za/faculty/applied_sciences



DESIGNATION LECTURER

Title & Name: Dr Talent Raymond Makhanya

Qualification & Institution: PhD (DUT)

Contact Number: 031 373 2313

Email Address: talentm@dut.ac.za

Campus: Steve Biko

Area of Expertise: Organic Chemistry (Synthesis and Natural Product)

Bio: Dr Makhanya joined the department of Chemistry in 2018 and is a Lecturer. His research interest include designing, synthesis and characterization of organic molecules (heterocyclic) which belong to these classes: naphthyridines, pyrazoles, fused indole-pyrazoles, coumarin pyrazole and amino-phosphonates. He evaluate their biological effect by assessing the anti-microbial, anti-mosquito, anti-cancer and anti-inflammatory activities. His interest further lie in development of new green methodology and rapid synthesis of potentials drugs using multicomponent approach. Newly synthesized heterocyclic molecules are further used as stabilising ligands in preparation of nanoparticles materials through collaboration.

Academic Interests: Aligning the organic synthesis content with the conventional processes used currently by industries. I also have interest in entrepreneurship project.

Research Links: ORCID: <https://orcid.org/0000-0002-5916-4312>

Research Gate: https://www.researchgate.net/profile/Talent_Makhanya2