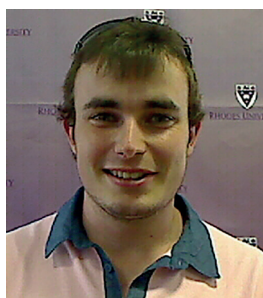


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## Student Profiles

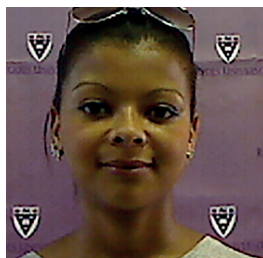


### Mr Martijn Wildervanck

**Current studies:** First year Masters in Chemistry – use of upconversion nanoparticles conjugated with gold nanoparticles as a fluorescence based sensor for radicals.

**Undergrad studies:** Rhodes University

**Place of Birth:** Grahamstown



### Ms Siphesihle Nxele

**Current studies:** First year Masters in Chemistry – Construction of electrochemical sensors via electrografting and click chemistry

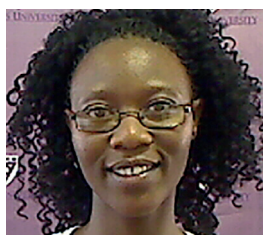
**Undergrad studies:** Rhodes University

**Place of Birth:** Empangeni, Kwa-Zulu Natal

**Achievements/Awards:** Obtained honours degree with distinction.

Exchange student in Japan (2014)

Investec Rhodes Top 100 General Excellence Award.



### Ms Gugu Kubheka

**Current studies:** First year Masters in Chemistry – Nanotechnology field, working with BODIPY dyes for application in antimicrobial photodynamic therapy and glucose sensing.

**Undergrad studies:** Rhodes University

**Place of Birth:** Escourt, KwaZulu Natal

**Awards:** Academic Achievement Award (2009) from Kimberly Dining Hall at Rhodes University.



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### Mr Zane Watkins

**Current studies:** First year Masters in Chemistry – combining upconversion nano particles and phthalocyanines. The focus of the work is to create a molecule which is capable of deep tissue singlet oxygen generation and may be used for as a more effective anti cancer treatment

**Undergrad studies:** Rhodes University

**Place of Birth:** Pretoria



### Ms Muthumuni Managa

**Current studies:** Second year Masters in Chemistry – Conjugates of size controlled platinum nanoparticles with tetra – (4-carboxyphenyl) gallium porphyrin and their use in photodynamic antimicrobial chemotherapy.

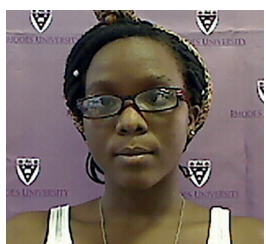
**Undergrad studies:** Rhodes University

**Place of Birth:** Ha-Rabali village, Venda

**Awards:** Lelona Fufu Prize (2013)

Certificate in peer mentoring TAI mentoring programme (2012)

The Oppidian Award for Community Engagement (2010)

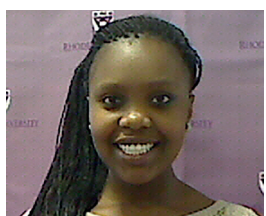


### Ms Phindile Khoza

**Current studies:** PhD Chemistry – Enhancing specificity of phthalocyanines by conjugating with different vitamins and nanoparticles

**Undergrad studies:** UKZN

**Place of Birth:** KwaZulu Natal, Olundi



### Ms Charmaine Tshangana

**Current studies:** Second Year Masters in Chemistry– The use of Quantum dots conjugated to Phthalocyanines for application in Photodynamic therapy.

**Undergrad studies:** Rhodes University

**Place of Birth:** Mpumalanga

**Awards:** Rhodes Merit Scholarship (2009)

Best Oral Presenter at 41<sup>st</sup> SACI Conference (2013)



### Ms Thandekile Mthethwa

**Current studies:** PhD in Chemistry – Anisotropic gold nanoparticles and phthalocyanines for use in combined photothermal/ photodynamic therapy of bacteria

**Undergrad studies:** University of Zululand

**Place of Birth:** Empangeni (KZN)