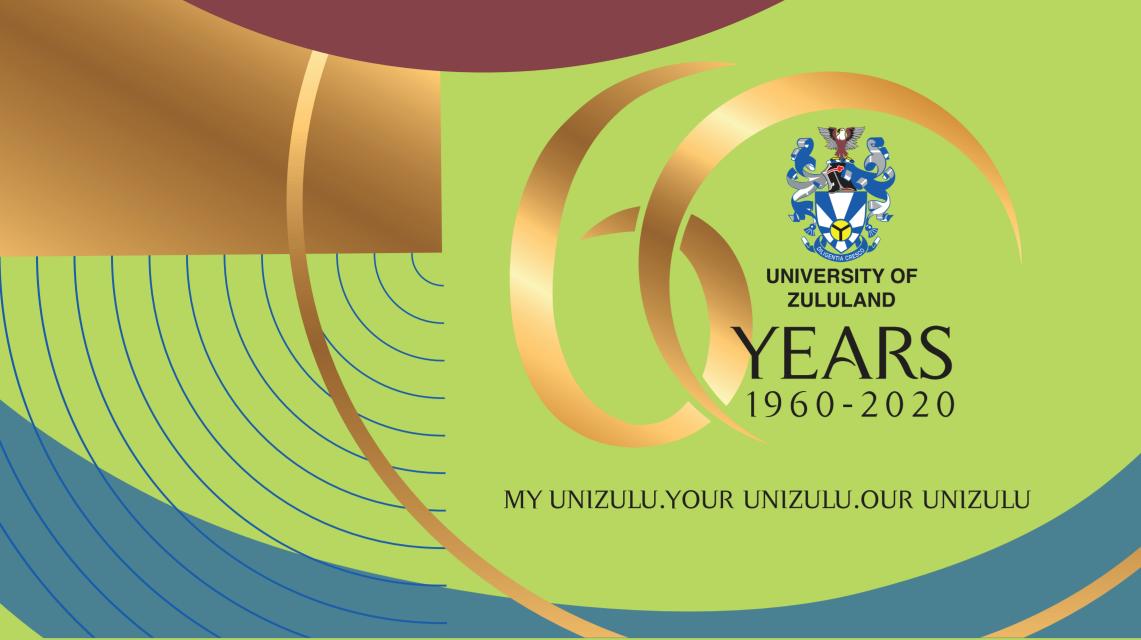
# DEPARTMENT OF BIOCHEMISTRY

# AND MIGROBIOLOGY

## UNIVERSITY OF ZULULAND

Website: http://www.science.unizulu.ac.za/bio







This poster is intended to present Department of Biochemistry and **Microbiology** information with regard to the department History, Achievements, Notable Alumni, Awards, Community Engagement, **International connections and Staff members.** 

#### **HISTORY**

Initially, there was the Department of Biochemistry in the Faculty of Science and Education. In 1992, Microbiology modules were offered, hence the name was changed to Department of Biochemistry and **Microbiology.** Some qualifications that were offered, but were phased out / suspended are BSc Medical Science, BSc Food Technology and **BSc Biotechnology.** The thrust of the Department of Biochemistry and **Microbiology since inception is to offer high quality undergraduate** and postgraduate qualifications in Biochemistry and Microbiology. The **Department of Biochemistry and Microbiology has links with departments** of Botany; Zoology department and Hydrology department.

The first candidate to graduate with a Doctoral degree was Prof Albert **Basson who obtained a Doctor of Science (DSc) in Biochemistry and Microbiology in 1995. Thereafter, the doctoral degrees were designated** as PhD in Biochemistry and PhD in Microbiology.

- iNkonjane stream water quality monitoring at the rural kwaMkhwanazi area in KwaDlangezwa by **Mr JS Shandu**
- P450 database development for identification and naming of P450s to be used by researchers around the world by Prof K Syed and his international collaborators (http://www.p450.unizulu.ac.za/)

#### AWARDS





Singobile Fanele Ndulini and Bongakone Nkosinathi Makhanya Master students from Prof Mthembu's lab got Lewis Jonker award for best presentation at 19th WaterNet Symposium, Zambia, 2018



Prof E Madoroba got Technology transfer matchmaking award deal from Technology and Innovation Agency, South Africa in 2019

#### **POST GRADUATE INTERNATIONAL STUDENT EXCHANGE**



#### **ACHIEVEMENTS**

- 2017 Best department award
- 2018 Second best department award
- 2020 Highest number of articles published by a department



**Conducted Conference on Genomics, Proteomics and metabolomics:** All in the Bioinformatics (CGPMB-2019)

NRF C3



Master students Mr ML Ngwenya and Ms ZE Chiliza visited University of Concepcion, *Chile between 2018-2019* 



Master students NS Ngcobo, N Nzuza and T Padayachee visited University of Concepcion, *Chile in 2020* 



Legend change for Mrs 00 Akapo as Doctoral student Mrs 00 Akapo visited University of Warsaw, Poland between 2019-2020





**Top Marks Not Lukhele's First Rodeo** Ms Khethiwe Lukhele, an undergraduate student from the Department of Biochemistry and Microbiology named top achiever in Faculty of Science and Agriculture in 2017



Trailblazer student has made UNIZULU proud Mr Bongumusa Comfort Mthethwa, being an honour student from the Department of **Biochemistry and Microbiology published** article in International Journal of Molecular Sciences (impact factor 4.7) in 2018





Postgraduate students featured on **Metabolomics South Africa** Postgraduate students from the Department of Biochemistry and Microbiology was featured in Metabolomics Society South Africa conference *in 2019* 



### **NRF RATED RESEARCHERS**



#### **NOTABLE ALUMNI**



### **INTERNATIONAL VISITORS**

Prof JA Martinez-Oyanedel

Chile





**Prof K Syed** NRF C1



Mr David Mahlobo **Deputy Minister of Water** and Sanitation





**Prof D Gront** Poland

**Prof W Chen** China

#### **ACADEMIC STAFF**

