

ABRIDGED CURRICULUM VITAE

Dr Nomali Z. Ngobese
6 December 2019

1. Biographical Sketch

Name: Nomali Z. Ngobese

Institution: University of Johannesburg

Department: Botany and Plant Biotechnology

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External links:

<https://scholar.google.co.za/citations?user=buK0dp0AAAAJ&hl=en&oi=ao>

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Academic Qualifications Obtained: PhD, MSc, BSc Hons (University of KwaZulu-Natal)

H-index (Scopus): 4

Field(s) of Research: Plant Physiology, Food Quality and Chemistry

2. Teaching Activities

Courses Presented:

- i. Postharvest Physiology (BOT8X01) – BSc Hons
- ii. Introduction to Nutrition (SCNU112) – 1st year B Consumer Sc
- iii. Seeds and Vegetative Propagation (BIOL349) – 3rd year BSc

Postgraduate Student Training:

MSc degrees in progress – 2

PhD degrees in progress – 1

External examination:

- i. 2 PhD Theses: University of KwaZulu-Natal (2017, 2018)

3. Research Activities

Awards:

- i. Golden Key International Honour Society recognition for PhD (2017), University of KwaZulu-Natal, South Africa
- ii. 2nd Prize for MSc oral presentation (2017), Faculty of Science & Agriculture Postgraduate Research Day, University of KwaZulu-Natal, South Africa
- iii. 3rd Prize for MSc oral presentation (2011), International Society for Seed Science, Brazil
- iv. Golden Key International Honour Society recognition for undergraduate performance (2006), University of KwaZulu-Natal, South Africa

Community Engagements

- i. Eskom Expo for Young Scientist 2019 Regional Judge
<https://exposcience.co.za/>
- ii. National Science Week University of Johannesburg 2019
<https://www.uj.ac.za/faculties/science/ssc/Pages/National-Science-Week.aspx>

Research Grants:

- i. South African Department of Science and Technology-National Research Foundation Research Development Grants for New Generation of Academics Programme Scholars (2019–2020)
- ii. University of Johannesburg Faculty of Science Research Committee Funding (2019-2020)

Professional Memberships and Societies:

- i. International Society for Horticultural Science
- ii. South African Association for Food Science and Technology
- iii. Mentoring Network for African Women in Academia
- iv. South African Association of Botanists

Selected Publications (last five years):

Peer-reviewed Journal Articles

- i. Olusanya, RN, Kolanisi, U, van Onselen, A, **Ngobese, NZ** and Siwela, M (2019). Nutritional composition and consumer acceptability of *Moringa oleifera* leaf powder (MOLP)-supplemented *mahewu*. South African Journal of Botany. [Doi.org/10.1016/j.sajb.2019.04.022](https://doi.org/10.1016/j.sajb.2019.04.022)
- ii. **Ngobese, NZ** and Workneh, TS (2018). Potato (*Solanum tuberosum* L.) nutritional changes associated with French fry processing: Comparison of low-temperature long-time and high-temperature short-time blanching and frying treatments. [LWT - Food Science and Technology 97: 448–455](#).
- iii. **Ngobese, NZ**, Wokadala, OC, Du Plessis, B, Da Silva, LS, Hall, A, Lepule, SP, Penter, M, Ngcobo, MEK and Swart, HC (2018). Physicochemical and morphological properties of a small granule legume starch with atypical properties from wild mango (*Cordyla africana* L.) seeds: A comparison to maize, pea and kidney bean starch. [Starch – Stärke 70\(11-12\): 1700345](#).
- iv. **Ngobese, NZ**, Workneh, TS and Siwela, M (2017). Effect of low-temperature long-time and high-temperature short-time blanching and frying treatments on the French fry quality of six Irish potato cultivars. [Journal of Food Science and Technology-Mysore 54\(2\): 507–517](#).
- v. **Ngobese, NZ**, Workneh, TS, Alimi, BA and Tesfay, S (2017). Nutrient composition and starch characteristics of eight European potato cultivars cultivated in South Africa. [Journal of Food Composition and Analysis 55:1–11](#).
- vi. **Ngobese, NZ** and Workneh, TS (2017). Development of the frozen French fry industry in South Africa. [American Journal of Potato Research 94:1–13](#).

Conference Presentations

- i. **Ngobese, NZ**, Naidoo, M and Workneh, TS (2019). Yield and tuber quality performance of nine European potato (*Solanum tuberosum* L.) cultivars in South Africa: a pilot study. 1st Conference of Food, Nutrition Security and Agriculture, Cairo, Egypt, 1–3 December
- ii. Gumbo, N and **Ngobese, NZ** (2019). Effect of S-carvone and 1,4 DMN on the sprouting patterns of South African seed potato cultivars. 1st Conference of Food, Nutrition Security and Agriculture, Cairo, Egypt, 1–3 December
- iii. Fakade, A, Motsa, N, Naidoo, D and **Ngobese, NZ** (2019). Effect of macadamia husk compost on growth and physiological performance of two *Amaranthus* cultivars. 1st Conference of Food, Nutrition Security and Agriculture, Cairo, Egypt, 1–3 December

- iv. Kheswa, TP, **Ngobese, N**, Zulu, S, Siwela, M and Kolanisi U (2019). Nutritional composition and sensory acceptability of cowpea wheat biscuits by rural youth in KwaZulu-Natal. 3rd New Voice Symposium of Cereal Science and Technology SA. Pretoria, South Africa, 11 September
- v. van Rayne, K, Adebo, O, Wokadala, O and **Ngobese, N** (2019). Nutritional characterisation of monkey orange (*Strychnos madagascariensis*) seeds for food security in South Africa. 23rd Biennial Congress and Exhibition of the South African Association for Food Science and Technology: Food Science and Technology for the 21st Century. Johannesburg, South Africa, 1–4 September
- vi. Qumbisa, N, **Ngobese, N**, Kolanisi, U and Siwela, M (2019). Consumption of instant noodles, utilization of Amaranthus, consumer acceptability and physical quality of Amaranthus-supplemented noodles among students at the University of Zululand. 23rd Biennial Congress and Exhibition of the South African Association for Food Science and Technology: Food Science and Technology for the 21st Century. Johannesburg, South Africa, 1–4 September
- vii. Kheswa, TP, Sisoka, L, **Ngobese, NZ**, Kolanisi, U and Siwela, M (2019). Nutritional composition and sensory acceptability of cowpea soup among youth in rural KwaZulu-Natal. 23rd Biennial Congress and Exhibition of the South African Association for Food Science and Technology: Food Science and Technology for the 21st Century. Johannesburg, South Africa, 1–4 September
- viii. **Ngobese, NZ**, Wokadala, OC, Penter, M, Du Plessis, B, Da Silva, LS, Hall, A, Lepule, SP, Ngcobo, MEK and Swart, HC (2019). Wild mango (*Cordyla africana* L.) seed starch physico-chemical characterisation in comparison to bean, pea and maize starches. 45th Conference of the South African Association of Botanists, Southern African Society for Systematics and Biosystematics African Mycological Association. Johannesburg, South Africa, 8–11 January
- ix. Qumbisa, N, **Ngobese, N** and Kolanisi, U (2018). Consumer acceptability of *Amaranthus*-supplemented noodles among students at the University of Zululand. 2nd Annual Durban University of Technology/South African Association for Food Science and Technology-KZN Breakfast Meeting. Durban, South Africa
- x. **Ngobese, NZ** (2017). Potato (*Solanum tuberosum* L.) nutrient changes associated with French fry processing: Response to low-temperature long-time and high-temperature short time blanching and frying treatments. 22nd Biennial International Congress & Exhibition of the South African Association for Food Science and Technology. Cape Town, South Africa, 3–6 September
- xi. **Ngobese, NZ**, Workneh, TS, Alimi, BA and Tesfay, S (2016). Nutrient composition of six potato cultivars before and after French fry processing. American Society of Agricultural and Biological Engineers: Engineering and Technology Innovation for Global Food Security. Stellenbosch, South Africa, 24–27 October
- xii. **Ngobese, NZ** (2016). Field and yield performance of nine European potato cultivars cultivated in South Africa. 1st Ukulinga Howard Davis Memorial Symposium. Pietermaritzburg, South Africa, 24–25 May
- xiii. **Ngobese, NZ**, Workneh, TS and Naidoo, M (2015). Evaluating the yield and tuber quality performance of eight European cultivars in Pietermaritzburg to improve potato production in South Africa. European Association for Potato Research Breeding and Varietal Assessment Section and EUCARPIA Section Potatoes 18th Joint Meeting. Vico Equense, Italy, 15–18 November
- xiv. **Ngobese, NZ** (2014). Development of the frozen French fry industry in South Africa. The College of Agriculture, Engineering and Science Postgraduate Research Day. University of KwaZulu-Natal, Durban, South Africa, 27 October