

Curriculum Vitae of Bongekile Skosana

Education history

Bachelor of Health Science – Biomedical Sciences, Health Sciences
University of Witwatersrand – Johannesburg, Gauteng, South Africa

Bachelor of Science (Honours) – Medical Science, Health Sciences
Stellenbosch University – Stellenbosch, South Africa

PhD (Medical Physiology) – Medical Science, Health Sciences
Stellenbosch University – Stellenbosch, South Africa

Accomplishments

Courses

AAAS Science Diplomacy and Leadership

June 2018, Washington D.C.

American Association For The Advancement Of Science

Science communication

May-August 2019

Centre for Research on Evaluation, Science and Technology (CREST)
Stellenbosch University

Global Health Diplomacy

July 2019

Department for Continuing Education
University of Oxford

Book Chapters:

Skosana, B., Aboua, G. and du Plessis, S.S. (2014). Buchu - Multi-purpose ethnomedicinally important specie and its benefits in the reproductive system. *In: Antioxidant-Antidiabetic Agents and Human Health*. Ed: Oguntibeju, O. ISBN 978-953-51-1215-0, InTech – Open Access Publisher. Chapter 13 pp 297 - 316

Bongekile Skosana, Ibukun P. Oyeyipo, Stefan S. Du Plessis (2016) Introduction to Reactive Oxygen Species: Emphasizing their importance in the male reproductive system. *In: Reactive Oxygen Species in Biology and Human Health: a Comprehensive Treatise*. Ed: Dr Shamim Ahmad. Taylor and Francis/CRC Press, USA. Chapter 1

Ibukun P. Oyeyipo, **Bongekile Skosana**, Stefan S. Du Plessis (2016). Reactive Oxygen Species and Male Fertility. *In: Reactive Oxygen Species in Biology and Human Health: a Comprehensive Treatise*. Ed: Dr Shamim Ahmad. Taylor and Francis/CRC Press, USA. Chapter 31

Manuscripts:

Goss D, Oyeyipo IP, **Skosana BT**, Ayad BM, Du Plessis SS. Ameliorative potentials of quercetin against cotinine-induced toxic effects on human spermatozoa. *Asian Pacific Journal of Reproduction* 2016;5(3):193-197

Gerhard Van Der Horst, **Bongekile Skosana**, Audrey Legendre, Ibukun P. Oyeyipo, Stefan S. du Plessis. Cut-off values for normal sperm morphology and toxicology for automated analysis of rat sperm morphology and morphometry. *Biotechnic and Histochemistry* 2018;1-10

Temidayo S. Omolaoye, **Bongekile T. Skosana**, Stefan S. du Plessis. Diabetes mellitus- induction: Effect of different streptozotocin doses on male reproductive parameters. *Acta Histochemica* 2018;120(2):103-109

Oyeyipo IP, **Skosana BT**, Everson FP, Strijdom H, du Plessis SS. Highly Active Antiretroviral Therapy Alters Sperm Parameters and Testicular Antioxidant Status in Diet-Induced Obese Rats. *Toxicological Research* 2018;34(1):41-48.

Melissa Adomako, Alaei Kamiar, Abdulla Alshaikh, Lyndsay S. Baines, Desiree Benson, Douglas W. Bettcher, Baljit Cheema, Lex Corijn, Evan Fountain, Bartosz G. Gdaniec, Elan Garonzik, Mary Harney, Rahul M. Jindal, Kate Jones, David Kerr, Deena Mehjabeen, Nick P. Vahid, Emem Okonetuk, Nathalia Pompeu, **Bongekile Skosana**, Soo Tan, Karabo Thokwane & Tyson Welzel. Oncopolicy and global health diplomacy in times of rising populism. *Journal of Public Health Policy* 2020;41:230-232

Melissa Adomako, Alaei Kamiar, Abdulla Alshaikh, Lyndsay S Baines, Desiree Benson, Douglas W Bettcher, Baljit Cheema, Lex Corijn, Evan Fountain, Bartosz G Gdaniec, Elan Garonzik, Mary Harney, Rahul M Jindal, Kate Jones, David Kerr, Deena Mehjabeen, Nick P Vahid, Emem Okonetuk, Nathalia Pompeu, Bongekile Skosana, Soo Tan, Karabo Thokwane, Tyson Welzel. The burgeoning role of global health diplomacy to alleviate suffering of cancer patients in low- and middle-income countries. *International Health*, 2020;12(3):231-233

Conference presentations:

B.T. Skosana, Johann P. Maartens, S.S. Du Plessis. Tobacco smoking and its contribution to infertility – the role of cotinine. The 57th Academic Day of the Faculty of Medicine and Health Sciences, Stellenbosch University, 13-14 August 2013, Tygerberg Campus RSA.

Skosana BT, Aboua YG, Webster I, Du Plessis SS. Obesity and male infertility – a molecular investigation. 42nd Annual Conference of the Physiological Society of Southern Africa, 14 – 17 September 2014, Durban, RSA.

Skosana BT, Aboua YG, Webster I, Lochner A, Du Plessis SS. Obesity and male infertility. DST-NRF Intern Research Day, 27 February 2015, Cape Peninsula University of South Africa, Bellville, South Africa

Skosana BT, Hattingh SM, Webster I, Lochner A, Du Plessis SS. The

proteomics of obesity-induced male infertility. 43rd Annual Conference of the Physiological Society of Southern Africa, 6 – 9 September 2015, Parys, Free State, RSA.

B Skosana, S Hattingh, I Webster, A Lochner, G van der Horst, G Aboua, SS Du Plessis. A proteomic search for biomarkers of obesity induced-male infertility. 44th Annual conference of the Physiology Society of Southern Africa, 28-31 August 2016, The River Club, Cape Town, SA.

B Skosana, SM Hattingh, I Webster, A Lochner, G van der Horst, YG ABoua, SS du Plessis. (2016) Obesity-related testicular histological changes explained by proteomics. Conference of the Polish Society of Andrology – 18th Andrology Day. 30 September - 1 October 2016. Novotel, Gdansk, Poland.

Stefan S du Plessis, Dale M Goss, Bashir M Ayad, **Bongekile T Skosana**, Gerhard van der Horst, Improved sperm motility after short abstinence: The role of accessory sex gland secretions. XIII th International Symposium on Spermatology, Stockholm, Sweden, May 9-13, 2018

Bongekile Skosana, Suzel Hattingh, Ingrid Webster, Amanda Lochner, Stefan S Du Plessis
Sperm proteins implicated in obesity-induced male infertility
10th European Congress of Andrology, 11-13 October 2018
Budapest, Hungary

Skosana B.T., Tabb D., Wang, X., Webster, I., Lochner, A., van der Horst, G., Aboua, Y.G., du Plessis, S.S. Oxidative stress in male reproductive organs: a proteomic investigation of a chronic diet-induced obesity model in male Wistar rats. 47th Annual conference of the Physiology Society of Southern Africa, 18-21 August 2019, East London, SA.

Skosana B.T., Tabb D., Wang, X., Webster, I., Lochner, A., van der Horst, G., Aboua, Y.G., du Plessis, S.S. Oxidative stress in the male reproductive system and the proteins that may cause it: a proteomic investigation into oxidative damage in obesity-induced male fertility. 10th Annual Biomedical Research and Innovation Platform (BRIP) Symposium, Medical Research Council, 19-20 October 2020, Tygerberg, SA.

Work Experience

- Dec 2009** Position/Job title: Facilitator
Company: Wholesale and Retail SETA of South Africa
Job description: Taught a post-matric course in retail to matriculants on behalf of the Wholesale and Retail SETA
- April 2014-March 2015** Position/Job title: Intern
Company: National Research Foundation
Job description: Research, Teaching, Administration
- March 2015 – April 2016** Position/Job title: Research Assistant/Lab Manager
Company: Division of Medical Physiology, Stellenbosch University
Job description: Research, Training , Administration
- May 2016 - July 2021** Position/Job title: Junior Lecturer
Company: Division of Medical Physiology, Stellenbosch University
Job description: Teaching, Research, Training , Administration
- Aug 2022 - Present** Position/Job title: Senior Lecturer
Company: Division of Medical Physiology, Stellenbosch University
Job description: Teaching, Research, Training, Administration