

# CURRICULUM VITAE

WAMBUGU STANLEY NDERITU (BVM, MSc-UoN)

## PERSONAL DETAILS

**Date of Birth:** 24<sup>th</sup> September, 1978      **Nationality:** Kenyan  
**Address:** P.O. Box. 30197-00100, University of Nairobi, Nairobi, Kenya      **Languages:** English, Swahili  
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## ACADEMIC BACKGROUND, SCHOOLS AND WORKSHOPS

8<sup>th</sup> July – 9<sup>th</sup> Sept, 2021      Digital Communication Skills Course- by Animal People, World Animal Protection.

11<sup>th</sup> Aug, 2021      Anti-Microbial Resistance (AMR) IN Africa Today, AFROHUN KENYA ONE HEALTH ECHO

12<sup>th</sup> – 16<sup>th</sup> April, 2021      Entrepreneurship and Innovation Mentorship Education Certification (EIMEC) 2.0 – A capacity building programme for business entrepreneurs

Dec 2019  
Jan, 2017      Phantom Limb Pain Workshop, Nairobi, by Kenya Pain Society.  
Lecturer Didactic Training Workshop, University of Nairobi

4-5<sup>th</sup> Nov, 2014      Symposium on **Regulatory, Harmonization, Hygiene and Sustainability. Workshop, held in chiromo campus, University of Nairobi**, by Royal Society of Chemistry/ Pan-Africa Chemistry Network and Procter & Gamble Company..

Feb 2013      **Regional Natural Products Scientific Workshop, (RISE-AFNNET)** Imperial Royal Hotel and Makerere University, Kampala, Uganda.

June 2012      **2<sup>nd</sup> East Africa Neuroscience Conference**, Nairobi, Kenya.

Sept 2011      **Research and Grant proposal writing workshop**, University of Nairobi.  
May 2011      **Forensic Veterinary Science workshop**, University of Nairobi.

8-12<sup>th</sup> Aug, 2011      The 14<sup>th</sup> **NAPRECA** symposium and **AAMPS Ethno-Veterinary Medicine symposium**, ICIPE, Nairobi, Kenya.

2009- Now      **PhD** of the University of Nairobi, (Evaluation of Pain Alleviating, Anti-Inflammatory and Anti-Rheumatic Properties of Selected Kenyan Medicinal Plants).

Dec 2010      **One Health Leadership Training**, Nairobi, -**RESPOND**: Serena Hotel, Nairobi, Kenya.

Sept 2010      The **Grand Regional RISE-AFNNET Scientific Congress on Natural Products**, Makerere University, Kampala, Uganda.

Augu 2010      **Instrumentation Workshop on ‘Gas Chromatography- Mass Spectrophotometry’** in Jomo-Keyatta University of Agriculture and Technology; organized and funded by the Pan Africa Chemistry Network (PACN).

May 2010      **Integrative and Organ Systems Pharmacology (IOSP) workshop**, Nairobi, (School of Pharmacy, University of Nairobi), **University of Nairobi**

Dec 2009      **Second Teaching Tools Workshop, International Brain Research Schools (IBRO)**, Fayoum University, Egypt.

- Dec, 2008      **‘Advanced Behavioral Neuroscience School’** held at International Centre for Insect Physiology and Entomology (ICIPE) in Nairobi Kenya, under the International Brain Research Organization Schools workshop.
- July 2008      **5th African Association of Physiological Sciences (AAPS) and Kenya Physiological Society (KPS) conference-** Chiromo Campus, UoN.
- 2005-2008      **Masters of Science in Comparative in Mammalian Physiology**, University of Nairobi.
- May 2007      **Laboratory Animal Science- FELASA C**, University of Nairobi in collaboration with Uppsala University, Sweden.
- 1999-2004      **Bachelor of Veterinary Medicine (BVM)**. University of Nairobi.

### CAREER HISTORY

- Feb 20017 -**      **Lecturer**  
**Date**              Department of Veterinary Anatomy and Physiology, University of Nairobi.  
**Responsibilities:**
- **Teaching physiological sciences** to undergraduate students in the faculties of veterinary medicine, agriculture and schools of medicine and biological sciences; undertaking programmes like Bachelor of Veterinary Medicine, Bachelor of Science in Biomedical Technology, Bachelor of Science in Wildlife Management, Bachelor of Science in Food Science and Technology, Bachelor of Science in Agriculture, Bachelor of Science in Range Management, Bachelor of Pharmacy and Bachelor of Science in Biochemistry. The lectures covered include Physiology, Mammalian physiology, Pathophysiology, Biomedical Instrumentation, Laboratory Safety, Hematology, Animal physiology, Ecophysiology, Herpetology, and Ornithology, Veterinary Pharmacology.
  - **Pursuing PhD degree-** Medicinal plants used in management of painful joint conditions.
  - Performing **Acute Toxicological** and Efficacy testing’ on pesticides in Kenya, accreditation by the Pests Control Products Board (PCPB).
- July 2009 -**      • **Tutorial Fellow** – Animal Physiology.  
**2017**              • Responsibilities – as above.
- April 2009-**      **Veterinary officer**, Eldoret West district- (Uasin Gishu County).  
**July 2009**      **Responsibilities:**
- Running the day-day veterinary activities in the district.
  - Disease control
  - Disease surveillance and Monitoring.
  - Monthly report compilation/writing
- 2008**              **Veterinary officer, Taita district, Under Agriculture Co-coordinating Unit (ASCU).**  
**Responsibilities-** As above.

## PUBLICATIONS

1. ME Edward, NN Samuel, **W Stanley**, A Gerald. Synergistic antimicrobial activity of crude ethanolic extracts of garlic and neem leaves against bovine mastitis pathogens: an in vitro assay. *International Journal of Basic & Clinical Pharmacology* 6 (9), 2111 (2017). DOI: [10.18203/2319-2003.ijbcp20173732](https://doi.org/10.18203/2319-2003.ijbcp20173732)
2. M. Fawzi Mahomoodally, A. Mootoosamy, and **S. Wambugu**. Traditional Therapies Used to Manage Diabetes and Related Complications in Mauritius: A Comparative Ethnoreligious Study. *Evidence-Based Complementary and Alternative Medicine*. Volume 2016 (2016), Article ID 4523828, 25 pages, 2016. doi:10.1155/2016/4523828.
3. John K. Mwonjoria, Joseph J. Ngeranwa, Helen N. Kariuki, Charles G. Githinji, Micah N. Sagini, **Stanley N. Wambugu**. Ethno medicinal, phytochemical and pharmacological aspects of solanum incanum (lin.) *International Journal of Pharmacology and Toxicology*, 2 (2) (2014) 17-20.
4. **SN Wambugu**, PM. Mathiu, DW. Gakuya, TI. Kanui, JD. Kabasa, SG. Kiama. Medicinal plants used in the management of chronic joint pains in Machakos and Makueni counties, Kenya. *Journal of Ethnopharmacology* 137 (2011) 945– 955.
5. PW Mwangi, **SN Wambugu**, DK Kariuki, PM Mbugua, TI Kanui. The Antinociceptive Activities of Ethanolic Extracts of *Ocimum kilimandrischaricum* Barker Ex Gurke and *Ocimum kenyense* Ayob Ex A. J. Paton leaves. *International Journal of Phytopharmacology* 3(1), 2012, 1-4.
6. Joakim Dahlin, Titus I. Kanui, **Stanley N. Wambugu** and Klas S.P. Abelson. The Suspended Formalin Test: A Method Designed for Studying Formalin-Induced Behaviour in the Speke's Hingeback Tortoise (*Kinixys spekii*). *Scandinavian Journal of Animal Science*, 2012: 39 (1), 11-15. ([http://www.scandlas.org/sjlas2/39\\_1\\_11-15.pdf](http://www.scandlas.org/sjlas2/39_1_11-15.pdf)).
7. PW Mwangi, **SN Wambugu**, DK Kariuki, PM Mbugua, TI Kanui. Suppression of nociception by *Ocimum masaiense* root extract involves both central and peripheral mechanisms. *Phytopharmacology* 2011, 1(5) 148-159.
8. **wambugu SN.**, Towett, P.K., Kiama, S.G., Abelson, K.S.P., Kanui, T.I. (2010). Effects of opioids in the formalin test in the Speke's hinged tortoise (*Kinixys spekii*). *Journal of Veterinary Pharmacology and Therapeutics*; 33, 4, 347–351.
9. G.M.O. Maloiy , T.I. Kanui , P.K. Towett , **S.N. Wambugu** , J.O. Miaron , M.M. Wanyoike. Effects of dehydration and heat stress on food intake and dry matter digestibility in East African ruminants. *Comparative Biochemistry and Physiology, Part A*; 151 (2008) 185–190.

## RESEARCH INTERESTS

- Animal Physiology and Pharmacology
- Pain mechanisms across different animals
- Medicinal plants use in Kenya
- Pesticide Toxicity Testing
- Ethnopharmacology and pharmacognosy of herbal remedies
- Laboratory Animal Welfare and Husbandry
- Sustainable use of herbal remedies

## **PROFESSIONAL AFFILIATIONS**

- Kenya Veterinary Board (Reg. No. 1988).
- Member of Kenya Veterinary Association (KVA. No. 155).
- Kenya Society for Pain Society (KPS)
- Society of Neuroscientists of Africa (SONA)
- Kenya Society of Basic and Applied Pharmacology (KeSoBAP).
- African Association of Physiological Sciences (AAPS).
- Kenya Physiological Society (KPS).