



### A: Personal Data

Name: Stanley Njagih Ndwigah.  
 Address: Department of Pharmaceutical Chemistry,  
 School of Pharmacy, P.O. Box 19676-00202, Nairobi  
 Private Address: P.O. Box 2149-00202, Nairobi  
 Telephone: +254 20 2314294. Cell +254 722 747644  
 Date of Birth: 20<sup>th</sup> January 1974.  
 Sex: Male.  
 Nationality: Kenyan  
 Religion: Christian  
 Marital status: Married  
 Email: [sndwigah@yahoo.com](mailto:sndwigah@yahoo.com); [snndwigah@uonbi.ac.ke](mailto:snndwigah@uonbi.ac.ke)

### Languages

Language	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Kiswahili	Excellent	Excellent	Excellent
Kiembu	Excellent	Excellent	Excellent

### Computer Software Proficiency

Package	Proficiency
Microsoft Excel	Excellent
Microsoft word	Excellent
Microsoft power point	Excellent

### B: Occupation

1. Senior Lecturer, Department of Pharmaceutical Chemistry, School of Pharmacy, University of Nairobi.
2. Supervisor and analyst, Drug Analysis and Research Unit (DARU)

I give lectures to both undergraduate and post graduate students. I lecture in medicinal chemistry, pharmaceutical analysis and regulatory pharmacovigilance. I also supervise around 4 undergraduate students and 5 master's students per year in their research and writing of their dissertations and thesis.

I am also involved in analysis of pharmaceutical products in DARU where I work as a supervisor in analysis, working closely with technologists. In our work in DARU we check out if the drugs in Kenyan market are of desired quality as specified in the monographs e.g. the British, the US and the International Pharmacopoeias. I also carry out field research/market surveillance on quality, availability and pricing of medicines in Kenya.

### **C: Areas of Academic Interest and Research**

1. Quality control of drugs
2. Isolation and characterisation of components of medicinal plants
3. Implementation Science
4. Pharmacovigilance
5. Market surveillance of medicines

### **D: Educational Background**

- 2013 PhD in pharmaceutical chemistry, from **University of Nairobi**.  
*Thesis title:* Phytochemical, antibacterial and antifungal study of *Dombeya torrida* (J.F.Gmel) and *Hydnora abyssinica* (A. Braun).
- 2012 Implementation science scholar in Department of Global Health, University of Washington, Seattle, USA.
- 2004 Master of Pharmacy Degree in Pharmaceutical Analysis, from University of Nairobi.
- 2000 Registered as a Pharmacist by Pharmacy and Poisons Board
- 1998 Graduated with a Bachelor's Degree in Pharmacy
- 1991 Kenya Certificate of Secondary Education, **Kangaru School**, P.O. Box 17, Embu
- 1987 Kenya Certificate of Primary of Education, **Kathuniri Primary School**, P.O. Box 591, Embu

**E: Working Experience**

- July 2014 to date: Senior lecturer, Department of Pharmaceutical Chemistry, School of Pharmacy, University of Nairobi.
- 2006 to 2014: Lecturer, Department of Pharmaceutical Chemistry, University of Nairobi.
- 2004 to date: Honorary consultant, Kenyatta National Hospital, Nairobi
- 2004 to date: Supervisor and analyst, Drug Analysis and Research Unit
- 2003 to 2006: Tutorial Fellow, Department of Pharmaceutical Chemistry, University of Nairobi.
- 2002 to 2003: Hospital pharmacist, the Mater Hospital, Nairobi
- 2000: Community Pharmacist, Pharmaceutica Chemist, UNIPEN House Nairobi.
- 1998 to 1999: Pharmacist Intern, Embu Provincial General Hospital, Embu.  
Darol Pharmaceuticals, Am-Bank House, University Way, Nairobi.  
Dawa Pharmaceuticals, Nairobi.

**F: Theses Published**

1. **S.N. Ndwigah.** Phytochemical, antibacterial and antifungal study of *Dombeya torrida* (J.F.Gmel) and *Hydnora abyssinica* (A. Braun). A Doctor of Philosophy (in Pharmaceutical Chemistry) Thesis, 2013.
2. **S.N. Ndwigah.** Phytochemical investigation and anthelmintic activity of *Dombeya rotundifolia*. A Master of Pharmacy (Pharmaceutical Analysis) Thesis, 2004.

**G: Publications**

- 1 Alex O. Okaru, Kennedy O. Abuga, Franco N. Kamau, **Stanley N. Ndwigah** and Dirk W. Lachenmeier (2017). A Robust Liquid Chromatographic Method for Confirmation of Drug Stability of Azithromycin in Bulk Samples, Tablets and Suspensions. *Pharmaceutics* **9**(1):11.
- 2 Alice N. Gichobi, **Stanley N. Ndwigah**, Kipruto A. Sinei, Eric M. Guantai (2017). Clinical audit of Heparin use in Rift Valley General Hospital, Nakuru County, Kenya. *Afr. J. Pharmacol. Ther.* **6**(1): 27-37

- 3 Boniface M. Thuo, Grace N. Thoithi, Ndichu Maingi, **Stanley N. Ndwigah**, Rose N. Gitari, Rebecca W. Githinji, and Richard O. Otieno (2017) *In vitro* anthelmintic activity of *Albizia gummifera*, *Crotalaria axillaris*, *Manilkara discolor*, *Teclea trichocarpa* and *Zanthoxylum usambarense* using sheep nematodes. *Afr. J. Pharmacol. Ther.* **6**(1): 38-42
- 4 Lucia Keter, Richard Too, Charles Mutai, Nicholas Mwikwabe, **Stanley Ndwigah**, Jennifer Orwa, Elizabeth Mwamburi and Richard Korir (2016). Bacteria contaminants and their antibiotic sensitivity from selected herbal medicinal products from Eldoret and Mombasa, Kenya. *American Journal of Microbiology*, **7** (1): 18.28
- 5 Susan W Maina, George O Osanjo, **Stanley N Ndwigah**, Sylvia A Opanga (2016). Determinants of discontinuation of contraceptive methods among women at Kenyatta National Hospital, Kenya. *Afr. J. Pharmacol. Ther.*, **5**(1), 28-34.
- 6 Nicholas C. Mulwa, George O. Osanjo, **Stanley N. Ndwigah**, Albert N. Kaburi and Gichuru Muriuki (2015). Patterns of Prescribing Practices in Makueni County Referral Hospital, Kenya. *Afr. J. Pharmacol. Ther.* **4**(4): 161-168.
- 7 **S.N. Ndwigah**, G.N. Thoithi, J.W. Mwangi, B.K. Amugune, H.N. Mugo and I.O. Kibwage (2013). Phytosterols from *Dombeya torrida* (J. F. Gmel). *East Cent. Afr. J. Pharm. Sci.* **16**(2), 44-48.
- 8 A. O. Maima, **S. N. Ndwigah**, G. N. Thoithi, F. N. Kamau and I. O Kibwage (2014). Antimicrobial Properties of Some Medicinal Plants of the Luo Community of Kenya. *Afr. J. Pharmacol. Ther.* **3** (4), 112-115.
- 9 S.K. Kerama, F.A. Okalebo, D.G. Nyamu, E.M. Guantai, **S.N. Ndwigah** and S M. Maru (2014). Risk factors and management of stress ulcers in the critical care unit in a Kenyan referral hospital. *Afr. J. Pharmacol. Ther.* **3** (2). 51-61.

- 10 **S. N. Ndwigah**, B. K. Amugune, G. N. Thoithi, J. W. Mwangi, H. N. Mugo and I. O. Kibwage (2014). Antibacterial and antifungal study of *Dombeya torrida* (J.F. Gmel) and *Hydnora abyssinica* (A. Braun). *Afr. J. Pharmacol. Ther.* **3** (1), 14-18.
- 11 GA Mugendi, DG Nyamu, FA Okalebo, NN Nyamweya, **S Ndwigah**, M Mwangi (2014). Comparison of losartan and enalapril effects on renal function in hypertensive adults with chronic kidney disease at a Kenyan Referral Hospital. *E. Afri. Med. J.* **91** (4), 125-132.
- 12 E. W. Karumi, C. K. Maitai, F. A. Okalebo, N. N. Mungai, **S. N. Ndwigah** and N. A. Mukungu (2013). Phytochemical, Anthelmintic and Antimicrobial activity of *Hagenia abyssinica* (Bruce) J. F. Gmel (Rosaceae). *East Cent. Afr. J. Pharm. Sci.* **16**(3), 77-82.
- 13 K.O. Abuga, B.K. Amugune, **S.N. Ndwigah**, F.N. Kamau, G.N. Thoithi, J.O. Ogeto, A.O. Okaru, J.M. Nguyo, O.K. King'ondur, H.N. Mugo and I.O. Kibwage (2013). Drug quality control in Kenya: observations in the Drug Analysis and Research Unit (DARU) during the period 2006-2010. *East Cent. Afr. J. Pharm. Sci.* **16**(2), 33-43.
- 14 A.O. Maima, G.N. Thoithi, **S.N. Ndwigah**, F.N. Kamau and I.O. Kibwage. (2008). Phytosterols from the stem bark of *Combretum fragrans* F. Hoffm. *East Cent. Afr. J. Pharm. Sci.* **11**(2). 52-54.
- 15 **S.N. Ndwigah**, G.N. Thoithi, J.W. Mwangi and I.O. Kibwage. (2005). The constituents of the stem bark of *Dombeya rotundifolia*, Hochst. *East Cent. Afr. J. Pharm. Sci.* **8**(2). 40-42.

#### **H: Masters Supervision**

1. Dr. Susan W. Maina. Determinants of discontinuation of contraceptive methods among women in KNH. Master of Pharmacy (Pharmacoepidemiology and Pharmacovigilance). Thesis 2016. *Supervisors*: Dr. G. O. Osanjo, Dr. Sylvia Oponga and **Dr. S. N. Ndwigah**.
2. Dr. Martha Were Mandale. Analysis of individual case safety reports on adverse drug reactions to antiretroviral therapy from the spontaneous reporting database in Kenya. Master of Pharmacy (Pharmacoepidemiology and Pharmacovigilance). Thesis 2015. *Supervisors*: Dr. G. O. Osanjo, Dr. M. Oluka, and **Dr. S. N. Ndwigah**.

3. Vivian Masiga Rakuomi. Assessment of the cost-utility of pre-referral malaria treatments in Kenyan children using decision analytic modeling. Master of Pharmacy (Pharmacoepidemiology and Pharmacovigilance). Thesis **2015**. *Supervisors:* Dr. F. A. Okalepo and **Dr. S. N. Ndwigah**.
4. Dr. Minyeto Daniel. Comparative in vitro evaluation of the bioequivalence of twenty generic ciprofloxacin hydrochloride tablets in Kenya. Master of Pharmacy (Pharmaceutical Analysis) Thesis **2014**. *Supervisors:* **Dr. S. N. Ndwigah**, Dr. P. M. Njogu and Dr. H. K. Chepkwony.
5. Dr. Imbuki Evans. Quality of prescribing in type 2 diabetes ambulatory care at Wembuye District Hospital. Master of Pharmacy (Pharmacoepidemiology and Pharmacovigilance). Thesis **2014**. *Supervisors:* Dr. M. Oluka, Dr. E. Guantai and **Dr. S. N. Ndwigah**.
6. Dr. Nicholas Mulwa. Patterns of prescribing practices in Makueni District Hospital. Master of Pharmacy (Pharmacoepidemiology and Pharmacovigilance). Thesis **2014**. *Supervisors:* Prof. G. Muriuki, Dr. G. O. Osanjo and **Dr. S. N. Ndwigah**
7. Dr. Alex Okaru. Development and validation for a liquid chromatographic method for analysis of azithromycin. Master of Pharmacy (Pharmaceutical Analysis) Thesis **2013**. *Supervisors:* Dr. K. O. Abuga, Prof. F. N. Kamau and **Dr. S. N. Ndwigah**.
8. Dr. Esther Karumi. Phytochemical, anthelmintic and antimicrobial investigation of *hagenia abuyssinica* (Bruce) Gmelin. Master of Science in Pharmacognosy and complementary medicine Thesis **2013**. *Supervisors:* Prof. C.K. Maitai, Dr. F. A. Okalepo, Dr. N.N. Mungai and **Dr. S. N. Ndwigah**.
9. Dr. Boniface Thuo. *In vitro* anthelmintic activity of *Albizia gummifera*, *Crotalaria axillaris*, *Manilkara discolor*, *Teclea trichocarpa* and *Zanthoxylum usambarense* extracts. Master of Pharmacy (Pharmaceutical Analysis) Thesis **2013**. *Supervisors:* Prof. G. N. Thoithi, Prof. N. Maingi and **Dr. S. N. Ndwigah**.

**I: Ongoing Masters Supervision**

1. Dr. Wambu wangari. Evaluation of the risk management system for medicinal plants in Kenya. Master of Pharmacy (Pharmacoepidemiology and Pharmacovigilance), *ongoing*.  
*Supervisors: Dr. S. N. Ndwigah* Dr. G. Osanjo and Dr. K. Sinei.
2. Dr Steven N. Wachira. Quality of selected brands of sodium hypochlorite and hydrogen peroxide in Nairobi County. Master of Pharmacy (Pharmaceutical Analysis) *ongoing*.  
*Supervisors: Dr. S. N. Ndwigah* and Dr. D.S.B. Ongarora.
3. Dr. Karim Wanga. Medicine utilization evaluation of heparin at Kenyatta National Hospital. Master of Pharmacy (Pharmacoepidemiology and Pharmacovigilance), *ongoing*.  
*Supervisors: Dr. S. N. Ndwigah,* Dr. K. Sinei and Dr. E. Guantai.
4. Dr. Kefa Bota. A comparative dissolution profiling of erythromycin oral formulations in the Kenyan market. Master of Pharmacy (Pharmaceutical Analysis) *ongoing*.  
*Supervisors: Dr. S. N. Ndwigah* and Dr. J. O. Ogeto.
5. Dr. Mubiu Jediel Kiria. Antimicrobial activity and bioactive constituents of the root bark extracts of *Lonocarpus eriocalx*. Master of Pharmacy (Pharmaceutical Analysis) *ongoing*.  
*Supervisors: Dr. S. N. Ndwigah,* Dr. D.S.B. Ongarorora and Dr. K. O. Abuga.

**J: Short Courses Attended**

1. May 30<sup>th</sup> to June 19<sup>th</sup> **2015**-Tianjin University of Traditional Chinese Medicine, Tianjin, China. 4<sup>th</sup> Advanced Training Program on *Acupuncture and Moxibustion* for African medical practitioners sponsored by Ministry of Education of P.R. of China.
2. March to June **2012**, University of Washington, Seattle, USA. Courses taken during this training included Fundamentals of Implementation Science in Global Health, Policy Development and Advocacy for Global Health; Management and Leadership

3. 20<sup>th</sup> -23<sup>rd</sup> February **2012**: Responsible Conduct of Research Course sponsored by Partnership in Innovative Medical Education for Kenya (PRIME-K) and implemented jointly by University of Nairobi, University of Washington and UoN IEARD/ORP. Olive Gardens, Nairobi, Kenya
4. 16<sup>th</sup> -20<sup>th</sup> January **2012**: Principles of HIV research training workshop, sponsored by the International AIDS Research and Training Program and Center for AIDS Research at the University of Washington and Medical Education Partnership Initiative at the University of Nairobi, Kenya.
5. 1<sup>st</sup> -15<sup>th</sup> November **2010**: 8<sup>th</sup> Advanced Training Program of Research and Development of Medicinal Plants for African Countries sponsored by Ministry of Education of P.R. of China and organized by Tianjin University of Traditional Chinese Medicine and University of Nairobi, Nairobi Kenya.
6. October **2007**: Unleash the power within you. A Self-Management Training Course by Peak Performance International Limited, Nairobi
7. 21st-22nd May **2006**: Making African journals more visible (and more used). A Joint International Network for the Availability of Scientific Publications (INASP)-HINARI Workshop. Nairobi.
8. Sept to Nov **1999**: Silverline Management Services. Computer programs taught: MSDOS, MSWord, Excel, MS Powerpoint. Self-taught: Chemwindows, Isis Draw, Macromedia Dreamweaver & Fireworks.

**K: Other Duties**

1. March 2016 to date- External examiner in School of Pharmacy, Muhimbili University of Health and Allied Sciences, Dar es Salaam, Tanzania.
2. April 2016 to date- External examiner in School of Pharmacy, Catholic University of Health and Allied Sciences, Mwanza, Tanzania.



3. 2015 to date- External examiner in School of Pharmacy, Kenya Methodist University, Meru, Kenya.
4. 2008 to 2013- External examiner, Kenya Medical Training College, Nairobi, Kenya.
5. 2006 to date- **Patron**, Nairobi University Pharmacy Students Association.

#### **L: Professional Consultations/Activities**

1. 2015: Training of private health workers in **malaria case management** in Mombasa County, Kenya.
2. 2013: Training of private and government health workers in malaria case management in Migori and Homabay Counties, Kenya.
3. 2009 to 2012: Member of Expert Committee for Drug Registration, **Pharmacy and Poisons Board**, Ministry of Health, Kenya.
4. 2010: Training of government health workers in malaria case management in the then Central Province. These included workers from Kiambu, Muranga, Nyandarua, Nyeri and Kirinyaga Counties. Kenya.
5. 2006-2007 - Member of Editorial board, Pharmaceutical Society of Kenya Journal.
6. 2005 to 2010: Member, Pharmacy Awareness Committee of the Pharmaceutical Society of Kenya.
7. 2002 (October, November): Development and pre-testing of tools for measuring access to anti-malarial medicines in Kenya. World Health Organization funded study. (Role: Researcher. Principal investigator: I. O. Kibwage).
8. 2001 (October, November): Measuring drug prices in low and middle-income countries; the Kenya Study. Health Action International and World Health Organisation co-funded study. (Role: Researcher. Principal investigator for Kenyan study: I. O. Kibwage).

#### **M: Workshops and Conferences Attended**

1. 7<sup>th</sup>- 9<sup>th</sup> April **2014**. University of Nairobi Faculty mentorship training workshop, Naivasha Kenya.
2. 27<sup>th</sup> -29<sup>th</sup> April **2012**: At Crossroads: Choosing Hidden Paths in Global Health- 9<sup>th</sup> Annual Western Regional International Health Conference. University of Washington, Seattle Campus, USA.
3. 29<sup>th</sup> August 1<sup>st</sup> September **2011**: Medical education Innovative Methodologies Workshop conducted by PACE; a program of University of Maryland and University of Nairobi, Kenya.
4. 22<sup>nd</sup> to 26<sup>th</sup> February **2010**: World Health Organization/ Pharmacy and Poisons Board Drug Registration Workshop. Silver springs hotel, Nairobi.
5. 14<sup>th</sup> to 19<sup>th</sup> December **2009**: Training and Inception Workshop of Expert Committees for Drug Registration, Pharmacy and Poisons Board, Ministry of Medical services at Kenya School of Monetary Studies, Nairobi Kenya
6. 26<sup>th</sup> -29<sup>th</sup> March **2008**. Kenya Agricultural Productivity Project (KAPP) inception workshop. Project Title: Evaluation and commercialization of medicinal plants' extracts for improved livelihoods: A case study of East Coast Fever.
7. 18<sup>th</sup> to 19<sup>th</sup> September **2007**: Afrihealth 2007 Conference, Nairobi. Theme; "Advancing ICT for Patient Safety in Healthcare in Africa." A CPD Points Award Conference.
8. 10<sup>th</sup> -14<sup>th</sup> September **2006**: Post Graduate Diploma in Drug Management and Supply Curriculum Development Workshop, Embu.
9. 16<sup>th</sup> to 21<sup>st</sup> July **2006**: Strategic Plan Formulation, Pharmacy and Poisons Board, Kenya School of Monetary Studies, Nairobi Kenya

10. 21<sup>st</sup> to 26<sup>th</sup> Sept **2003**: 13<sup>th</sup> International Conference on AIDS and STI's in Africa. Nairobi, Kenya.

11. 1<sup>st</sup> to 3<sup>rd</sup> April **2004**: WHO/ TDR Good Laboratory Practice Training, Nairobi, Kenya

### **N: Board Memberships**

1. 2015 to date: Chairman, Member of Board of management, St Joseph the Worker, Kathuniri Day Secondary School, Embu County, Kenya.
2. 2006 to date: Member of Board of Management, St Angela Nguviu Girls High School, Embu County, Kenya.
3. 2006 to 2012: Member of Board of Management, St Joseph the Worker, Kathuniri Secondary School, Embu County, Kenya.
4. 2009 to 2012: Member of Expert Committee for Drug Registration, Pharmacy and Poisons Board, Ministry of Medical Services.

### **O: Hobbies**

Traveling, History, Philosophy and Chess

### **P: Referees**

Prof. I.O. Kibwage. The Principal, College of Health Sciences and Professor of Pharmaceutical Chemistry, University of Nairobi, P.O. Box 19676-00202, Nairobi. Tel. 2726771

Prof. Andy Stergachis, Ph.D., R.Ph. Professor of Epidemiology & Global Health; Adjunct Professor of Pharmacy and Director, Global Medicines Program, School of Public Health, University of Washington. Health Sciences Building, F-342 Box 357236 Seattle, WA 98195. Tel: 206-221-0703 Fax: 206-543-852. [stergach@u.washington.edu](mailto:stergach@u.washington.edu)

Fr. Agapius Kamau. Father in-charge, Kevote Parish, Diocese of Embu, P.O. Box 1802, Embu. Tel 0713 871 720.

**Q. Certification:**

*I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications and experience*

A handwritten signature in black ink, appearing to read "S.N. Ndwigah", with a double underline and a flourish at the end.