

CURRICULUM VITAE

PERSONAL DETAILS

Name: Oluwafemi Omoniyi **Oguntibeju**

Title: Professor: Biomedical Science

Permanent Residence: South Africa

Work Address: Phytomedicine & Phytochemistry Group, Department of Biomedical Sciences, Faculty of Health & Wellness Sciences, Cape Peninsula University of Technology, 1 Symphony Way, Bellville, 7535, South Africa.

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BRIEF BIOGRAPHY

Professor Oluwafemi.O Oguntibeju is a Professor of Biomedical Science and Group Leader (Phytomedicine & Phytochemistry Group), Department of Biomedical Sciences, Cape Peninsula University of Technology Bellville, South Africa. Over the years, he was involved in the field of HIV/AIDS and related- public health issues but later on natural products and health (Phytomedicine). He has successfully supervised over 20 honours' projects, 24 masters and 10 PhD students and currently supervising 6 doctoral and 6 masters' students at various stages of their programmes. He has also mentored five Postdoctoral Research Fellows.

Professor Oguntibeju has published over 200 scientific articles in peer-reviewed journals, 21 chapters in books, editor of three books on diabetes, presented over 70 papers at international and national conferences. He is a member of editorial board of various scientific journals and reviews manuscripts for various scientific journals. He received various awards such as the Gold and Platinum Research Excellence Awards at his current university. In 2015, he received "Award for Excellence" in recognition of his contribution to biomedical research. He is a National Research Foundation (NRF) C-rated researcher. He qualified as a biomedical scientist in June 1992 and completed the national youth service corps (community service) in Sept 1993. He holds a Postgraduate Diploma (FIMLS) of the Institute of Medical Laboratory Science, Nigeria in Clinical Biochemistry (1994), MSc degree in Biochemistry from the University of Ibadan (1997), Nigeria and a doctoral degree (PhD) in Biomedical Science, Central University of Technology, Free State (2005), South Africa. He was a senior lecturer (Biochemistry) at Spartan Health Sciences

University, St Lucia, Caribbean from 2006-2008. He completed a postdoctoral research fellowship at the Cape Peninsula University of Technology, South Africa in 2009. He is a Chartered Scientist (CSci, UK), Fellow of the Institute of Biomedical Science (FIBMS), London and Fellow of the Australasian College of Biomedical Scientists (FACBS), Australia. In 2016, he was admitted as Fellow of American College of Nutrition (FACN). In 2018, Prof Oguntibeju was admitted as Fellow into the prestigious Royal Society of Chemistry, UK in the division of Chemistry-Biology Interface. He is a registered Professional Natural Scientist (Pr Sci Nat) with the South African Council for Natural Scientific Professions.

ACADEMIC & PROFESSIONAL QUALIFICATIONS

- 2021 MBA: Catholic University of Murcia, Spain (UCAM): Passed all courses with distinction including thesis.
- 2005 Doctor of Technology (DTech/PhD) Degree: Biomedical Technology (Clinical Biochemistry), Central University of Technology, Free State, South Africa
- 2005 Fellow of the Institute of Biomedical Science (FIBMS – Clinical Biochemistry), UK
- 2003 Fellow of the Australian College of Biomedical Scientists (FACBS – Clinical Biochemistry), Australia
- 1997 Master of Science (MSc) – Biochemistry; University of Ibadan, Nigeria
- 1994 Fellow of the Institute of Medical Laboratory Sciences (FIMLS – Clinical Biochemistry), Nigeria
- 1992 4-year Diploma/Associate of the Institute of Medical Laboratory Sciences (AIMLS – Bacteriology), Nigeria

LEADERSHIP & MANAGEMENT TRAINING

- 2019 Integrated Leadership Development
- 2015 Certificate in Labour Relations (Distinction)
- 2014 Certificate in Advanced Quality Control
- 2013 Certificate in Project Management
- 2013 Certificate in Human Resources Management (Distinction)
- 2013 Certificate in Business Management/Entrepreneurship
- 2012 Certificate in Effective Supervisory Management (Distinction)

- 2012 Departmental Leadership (3-day training workshop facilitated by Prof Chris Kapp)
- 2009 Teaching Development Programme (One-Year Teaching Development Programme at CPUT)

ACADEMIC & PROFESSIONAL EMPLOYMENT

- 2014 – Current **Professor**
 Department of Biomedical Sciences, Cape Peninsula University of Technology Bellville, South Africa.
 Teaching undergraduate and postgraduate students, supervision of postgraduate students, conducting research and publication of research work.
- 2011 – 2014 **Associate Professor**
 Department of Biomedical Sciences, Cape Peninsula University of Technology Bellville, South Africa.
 Teaching undergraduate and postgraduate students, supervision of postgraduate students, conducting research and publication of research work.
- 2009 – 2011 **Lecturer**
 Department of Biomedical Sciences, Cape Peninsula University of Technology Bellville, South Africa.
 Teaching undergraduate and postgraduate students, supervision of postgraduate students, conducting research and publication of research work.
- 2008 – 2009 **Postdoctoral Research Fellow**
 Department of Biomedical Sciences, Cape Peninsula University of Technology Bellville, South Africa.

 Duties: Conducting research, publication of research work, co-supervision and teaching of postgraduate students.
- 2006 – 2008 **Senior Lecturer & Course Director (Biochemistry)**
 Spartan Health Sciences University, School of Medicine, St Lucia.
 Teaching MD (MBBS) students, member of admission, academic and disciplinary committee, coordinator of continuing medical education (CME) and community research.
- 2005 **Postdoctoral Research Fellowship/Training**
 School of Health Technology, Central University of Technology, Bloemfontein, South Africa.
 Biomedical research and scientific publication

- 2002 – 2004 **Research Assistant**
 School of Health Technology, Central University of Technology,
 Bloemfontein, South Africa.
 Biomedical research, preparation of papers for publication,
 assisting students with academic and practical work and
 assisting with administrative work.
- 2000 – 2002 **Principal Medical Laboratory Scientist and HOD**
 Tebellong Hospital, Tebellong, Lesotho
 Involved in day to day running of the laboratory, general
 laboratory investigations, mycobacterial investigations,
 haematological work and quality control, advising the
 management on the ways of improving performance in the
 laboratory, organising and supervising activities in the
 laboratory and accounting to the management for all assets
 and ensuring that laboratory resources are effectively and
 efficiently utilised.
- 1998 – 1999 **Principal Medical Laboratory Scientist**
 Aluminium Smelter Company of Nigeria Limited {ALSCON}
 Medical Department, Ikot Abasi State, Nigeria.
 Involved in general laboratory investigations, haematological
 and biochemical analyses.
- 1997 – 1998 **Part-time Lecturer in Chemical Pathology (Final Year Med
 Lab Science' Students)**
 Lagos University Teaching Hospital Lagos, Nigeria
 Taught various aspects of Chemical Pathology and supervision
 of students projects.
- 1997 – 1998 **Principal Medical Laboratory Scientist & HOD**
 Crest Consultant Clinic, Ikoyi, Lagos, Nigeria.
 Involved in general investigations and assays, microbiological
 investigations, biochemical analyses, administrative duties,
 food and water analysis, quality control, documentation and
 interpretation of results, teaching undergraduate students on
 industrial training, supervision and training of laboratory
 personnel.
- 1995 – 1997 **Full-time Postgraduate Study (MSc)**
- 1993 – 1995 **Medical Laboratory Scientist**
 Malgoz Clinical Laboratories, Alakija, Lagos, Nigeria.
 Involved in general investigations and laboratory assays,
 microbiological investigations, quality control and biochemical
 analyses.
- 1992 – 1993 **Medical Laboratory Scientist on National Youth Service
 Corp (One Year Community Service)**
 State Hospital, Oyo, Oyo State, Nigeria.
 Involved in general investigations and laboratory assays,

microbiological investigations, quality control and biochemical analyses.

PROFESSIONAL REGISTRATION & MEMBERSHIP

- South African Council for Natural Scientific Professions (Pr.Sci.Nat)
- Chartered Management Institute (CMI), UK: Member
- Science Council, UK (Chartered Scientist)
- Royal Society of Chemistry, UK (Fellow)
- American College of Nutrition (Fellow)
- African Society of Laboratory Medicine (00707/13)
- Institute of Biomedical Science (Fellow), London
- Institute of Medical Laboratory Science (Fellow),
- African Scientific Institute (Fellow)
- Australasian Association of Clinical Biochemists
- Society of Medicinal Plants for Economic Development (Member: 16/174)
- South African Association of Clinical Biochemists
- International Society for Free Radical Biology
- Australian Institute of Medical Sciences: Member
- Institute of Biology, UK: Member

GRANTS

2020	National Research Foundation, R500 000
2020	Government Publication Subsidy, R80 000
2018	Travel grant by International Congress of Endocrinology
2018	University Research Fund, CPUT – R134 000
2017	National Research Foundation IKS Grant (joint proposal with Dr S Amoo) – R1 million

2016	National Research Foundation Grant – R3.66 million
2015	Special Grant from the DVC RTRIP, CPUT – R268 000
2015	National Research Foundation, South Africa – R40 000
2014	National Research Foundation, South Africa – R40 000
2014	University Research Funding, Cape Peninsula University of Technology – R100 000
2013	National Research Foundation, South Africa – R40 000
2012	DHET Journal Subsidy Fund (2009-2018) – R1 million
2012	University Research Funding, Cape Peninsula University of Technology – R75 000
2009 – 2012	Funding from Excellence Research Awards – R240 000
2011	University Research Funding, Cape Peninsula University of Technology – R80 000
2010	University Research Funding, Cape Peninsula University of Technology – R180 000
2009	University Research Funding, Cape Peninsula University of Technology – R210 000
2009	Partec Research Laboratory Equipment at CPUT (based on a proposal written by Prof O.O Oguntibeju worth R500 000)
2008	Postdoctoral Research Fellowship, Cape Peninsula University of Technology – R120 000
2005	Postdoctoral Research Fellowship, Central University of Technology, Free State – R120 000
2004	National Research Foundation Research Grant – R60 000
2004	Free State HIV Council Research Grant – R30 000
2002	Doctoral Research Grant: Central University of Technology, Free State – R60 000

AWARDS & HONOURS

2020	Long Service Award, CPUT
2019	Gold Research Excellence Award, CPUT

- 2019 Certificate of Commendation (Council member), Northlink College, Bellville, South Africa
- 2018 National Research Foundation Rated Researcher (C-rated)
- 2015 Award for Excellence: Association of Med Lab Scientists of Nigeria
- 2013 Platinum Research Excellence Award for Research Publication
- 2012 National Research Foundation Rated Researcher (C-rated)
- 2012 Gold Research Excellence Award for Research Publication, CPUT
- 2011 Gold Research Excellence Award for Research Publication, CPUT
- 2011 Best Oral Presentation (Third Prize) at the International Biochemistry and Biophysics (Biomedicine) forum 3-4 Nov 2011 Montreal, Canada
- 2011 Medical Science Award of Excellence-American Biographic Institute
- 2010 Bronze Research Excellence Award for Research Publication, CPUT
- 2009 Gold Research Excellence Award for Research Publication, CPUT, Dec 2009
- 2008 Certificate of award for outstanding contribution to Spartan Health Sciences University Faculty Board, St Lucia
- 2008 Certificate of award for outstanding contribution to academic development and continued medical education at Spartan Health Sciences University, St Lucia
- 2007 Chartered Scientist: Chartered Scientist status: UK Science Council

EDITORIAL BOARDS & ACTIVITIES

- 2019 Journal of Applied Pharmaceutical Science
- 2019 Asian Journal of Agric & Biology
- 2018 Molecules (Guest Editor)
- 2018 BMC Compl and Alternative Medicine (Associate Editor)
- 2018 Journal of Endocrinology and Diabetes mellitus (Associate Editor)
- 2018 Pakistan Journal of Botany
- 2017 Journal of Medicinal Plants and Economic Development
- 2013 J of Med Lab Science, Nigeria

2012	International Journal of Women's Health
2012	Int J of Med & Biomed Research
2011	Editorial Board Member, West Indian Medical Journal
2009	Editorial Board Member, Journal of Food, Agriculture and Environment
2009	Editorial Board Member, Australian Journal of Basic and Applied Sciences
2009	Editorial Board Member, Journal of HIV and AIDS Research
2008	Editor, International Journal of Medicine & Medical Sciences
2008	Editorial Review Board Member (Health & Medical Sciences), World Academy of Science, Engineering & Technology
2007	Editorial Board Member, Asian Journal of Scientific Research
2007	Editorial Board Member, Current Research in Bacteriology
2007	Editorial Board Member, International Journal of Biological Chemistry
2006	Editorial Board Member, Pakistan Journal of Medical Research
2006	Editorial Board Member (International Advisor): Pakistan Journal of Medical Sciences
2006 – Date	Proposal Reviewer: Research proposal reviews for National Research Foundation and Medical Research Council, South Africa
2006 – Date	Review manuscripts for various scientific journals

REVIEW OF MANUSCRIPTS FOR ACADEMIC & PROFESSIONAL JOURNALS

- Andrologia
- Journal of Food Biochemistry
- Natural Product Communications
- Phytotherapy Research
- Complementary Therapies in Medicine
- Journal of Ethnopharmacology
- Journal of Food Processing and Preservation
- Journal of Cellular Physiology

- Drug and Chemical Toxicology
- BMC Complementary and Alternative Medicine
- Journal of Basic and Clinical Physiology and Pharmacology
- Journal of American College of Nutrition
- Journal of Pancreas
- Phytomedicine
- Pathology and Laboratory Medicine
- International Journal of Women's Health
- Diabetes, Metabolic Syndrome and Obesity
- Nutrition and Dietary Supplements
- AIDS Care
- Food and Chemical Toxicology
- Environmental Toxicology
- Human and Experimental Toxicology
- BMC Public Health
- PLOS One
- Scientia Pharmaceutica
- Toxin Reviews
- JOMPED
- International Journal of Diabetes in Developing Countries
- Medical Technology SA
- African Journal of Biotechnology
- Asian Scientific Network Journals
- Pakistan Journal of Medical Sciences
- Biomedicine and Pharmacotherapy
- Journal of Complementary and Integrative Medicine
- South African Journal of Botany
- Pakistan Journal of Botany
- Journal of Photochemistry and Photobiology
- African Journal of Reproductive Health

PUBLICATIONS

PEER REVIEWED JOURNAL ARTICLES

1. Aboyewa JA, Sibuyi NRS, Meyer M & **Oguntibeju OO** (2021). Gold nanoparticles synthesised using extracts of *Cyclopia intermedia*, commonly known as honeybush amplify the cytotoxic effects of doxorubicin. *Nanomaterials* 11: 1-16.
2. Okaiyeto K & **Oguntibeju OO** (2021). Trends in diabetes research outputs in South Africa over 30 years from 2010 to 2019: a bibliometric analysis. *Saudi J Biol Sci* 28: 2914-2924.
3. Okaiyeto K & **Oguntibeju OO** (2021). Evaluation of 100 most cited research articles on African medicinal plants. *Plant Sci Today* 8(2): 340-351.
4. Omobowale TO et al (2021). Antihypertensive effect of methanol leaf extract of *Azadirachta indica* is mediated through suppression of renal caspase 3 expressions on N-nitro-L-arginine methyl ester induced hypertension. *Pharmacogn Res* 12: 460-465.
5. Oyagbemi AA et al (2021). Potential health benefits of Zinc supplementation for the management of COVID-19 pandemic. *J Food Biochem* 00.e13604.
6. Odunaiya NA, Ozoeze UN, Adegoke OM & **Oguntibeju OO** (2021). Knowledge and perception of cardiovascular disease and its risk factors among secondary school adolescents in Ibadan North Local Government, South-western Nigeria. *Afr J Biomed Res* 24(1): 65-73.
7. Odunaiya NA, Agbaje SA, Adegoke OM & **Oguntibeju OO** (2021). Effects of a four-week aerobic exercise programme on depression, anxiety and general self-efficacy in people living with HIV on highly active anti-retroviral therapy. *AIDS Care* 10(1): 1-9 (DOI:101080/0954401212021).
8. Odunaiya NA, Adesanya TB, Okoye EC & **Oguntibeju OO** (2021). Towards cardiovascular disease prevention in Nigeria: a mixed method study of how adolescents and young adults in a university setting perceive cardiovascular disease and risk factors. *Afr J Primary Health Care & Family Med* 13(3): 1-9.
9. Witbooi H, Bvenura C, **Oguntibeju OO** & Kambizi L (2021). The role of root zone temperature on physiological and phytochemical compositions of some pigmented potato (*Solanum tuberosum* L) cultivars. *Cogent Food & Agric* 7: 1905-1930.
10. Okaiyeto K & **Oguntibeju OO** (2021). African herbal medicines: adverse effects and some cytotoxic activities with different therapeutic applications. *Int J Environ Res and Publ Health* 18: 1-20.

11. Oyagbemi AA et al (2021). Clofibrate, a peroxisome proliferator-activated receptor-alpha (PPAR α) agonist, and its molecular mechanisms of action against sodium fluoride-induced Toxicity Biol Trace Elem Res. doi: 10.1007/s12011-021-02722-1.
12. Adekilekun AM, Aboua GY, Oyeyipo IP & **Oguntibeju OO** (2021). High altitude exposure and cardiovascular circulation: friends or foes? Afr J Biomed Res (24(5): 25-32.
13. Macuphe N, **Oguntibeju OO** & Nchu F (2021). Evaluating the Endophytic Activities of *Beauveria bassiana* on the Physiology, Growth, and Antioxidant Activities of Extracts of Lettuce (*Lactuca sativa* L.). Plants 10: 1-15.
14. Alabi TD, Brooks NL & **Oguntibeju OO** (2021). Treatment with *Anchomanes difformis* ameliorate kidney and pancreatic damage in type 2 diabetes. Plants 10(2): 1-26.
15. Akinyede KA, Cupido CN, Hughes GD, **Oguntibeju OO** & Ekpo OE (2021). Medicinal properties and in vitro biological activities of selected Helichrysum species from South Africa. Plants 10: 1-19.
16. Witbooi H, Bvenura C, Reid AM, Lall N, **Oguntibeju OO** & Kambizi (2021). The effects of root zone temperature on biological activity of some pigmented *Solanum tuberosum* L cultivar extracts. Applied Sciences 11:1-8.
17. Okaiyeto K, Adeoye RI and **Oguntibeju OO** (2021). Some common West Africa spices with antidiabetic potential. J King Saud Uni Sci 33: 1-9.
18. Oyagbemi AA et al (2021). Luteolin attenuates glycerol-induced acute renal failure and cardiac complications through modulations of Kim-1/NF-kB/NrF2 signaling pathways. J Dietary Suppl 18(5): 543-565.
19. **Oguntibeju OO** & Okaiyeto K (2021). Therapeutic Potentials and Pharmacological Properties of *Talinum triangulare* in the Treatment and Management of Diabetes Mellitus and Other Conditions. Plant Sci Today 8(4): 847-855.
20. Aboyewa JA, Sibuyi NRS, Meyer M & **Oguntibeju OO** (2021). Green synthesis of metallic nanoparticles using some selected medicinal plants from Southern Africa and their biological applications. Plants 10: 2-24.
21. Okaiyeto K, Falade AO & Oguntibeju OO (2021). Traditional uses, nutritional and pharmacological potentials of *Clerodendrum volubile*. Plants 10: 2-18.
22. Okaiyeto K & Oguntibeju OO (2021). A web of science-based analysis of global research trends on *Moringa oleifera* from 2010-2019. J Nat Remedies 21(4): 334-349.

23. Olafisoye OB, Fatoki OS, **Oguntibeju OO** & Osibote OA (2020). Accumulation and risk assessment of metals in palm oil cultivated on contaminated oil palm plantation soils. *Toxicol Reports* 7: 324-334.
24. **Oguntibeju OO**, YG Aboua & Omodanisi EI (2020). Effects of *Moringa oleifera* on oxidative stress, apoptotic and inflammatory biomarkers in streptozotocin-induced diabetes in male Wistar rats following *Moringa oleifera* administration. *SA J Bot* 129: 354-365.
25. **Oguntibeju OO** (2020). Antidiabetic and biological activities of *Nicotiana tabacum*: Possible mechanisms. *Asian J Pharm & Clin Res* 13(3): 1-4.
26. Oyagbemi AA et al (2020). Clofibrate, a PPAR- α agonist mitigated sodium fluoride-induced neuro-inflammation, oxidative stress and motor incoordination via modulation of GFAP/Iba-1/anti-calbindin signalling pathways. *Environmental Toxicol* 35(2): 242-253.
27. Alabi TD, Chegou N, Brooks NL & **Oguntibeju OO** (2020). *Anchomanes difformis*; a potential solution to increased inflammation, apoptosis and organ toxicity in STZ-induced diabetic cardiomyopathy. *Biomedicines* 8: 1-22.
28. Olafisoye OB, **Oguntibeju OO** & Osibote OA (2020). Synthetic antioxidants and metallic elements as additives/contaminants in palm oil from different farm sites. *Asian J Agric & Biol* 8(2):98-112.
29. Jayeola et al (2020). Cocoa powder alleviate hypertension and improves antioxidant status in uninephrectomized hypertensive rats. *Vet World* 13(4): 695-705.
30. **Oguntibeju OO**, Yapo Aboua & Kachepe P (2020). The possible therapeutic effects of vindoline on testicular and epididymal function in diabetes-induced oxidative stress male Wistar rats. *Heliyon* 6: 1-9.
31. Ofuegbe SO et al (2020). Methanol leaf extract of *Momordica charantia* protects alloxan-induced hepatopathy through modulation of caspase-9 and interleukin-1 beta signalling pathways in rats. *Vet World* 13(8): 1528-1535.
32. Alabi TD, Brooks NL & **Oguntibeju OO** (2020): Antioxidant status and hepatoprotective role of *Anchomanes difformis* in streptozotocin-induced diabetes in male Wistar rats. *Herba Polonica* 66(1): 18-36.
33. Akinyede KA, Ekpo OE & **Oguntibeju OO** (2020). Ethnopharmacology, therapeutic properties and nutritional potentials of *Carpobrotus edulis*: a comprehensive review. *Sci Pharm* 88(3): 1-16.
34. Witbooi H, Kambizi L & **Oguntibeju OO** (2020). An alternative health crop for South Africa: purple potato mini tuber production affected by water and nutrient stress. *Afri J Food, Agric, Nutr & Dev* 20(6): 1618-16831.

35. Adedapo AA et al (2020). Methanol stem extract of *Moringa oleifera* mitigates glycerol-induced acute kidney damage in rats through modulation of Kim-1 NF- κ B signalling pathways. *Sci Afri* 9: 1-11.
36. Oyagbemi AA et al (2020). Luteolin attenuates glycerol-induced acute renal failure and cardiac complications through modulation of Kim-1/ NF- κ B / Nrf2 signaling pathways. *J Dietary Suppls* 16: 1-23.
37. Oyagbemi AA, Omobowale TO, Adejumobi OA, Owolabi AM, Ogunpolu BS, Falayi OO, Hassan FO, Ogunmiluyi IO, Asenuga ER, Ola-Davies OE, Soetan KO, Saba AB, Adedapo AA, Nkadimeng SM, McGaw LJ, **Oguntibeju OO**, Yakubu MA (2020). Antihypertensive power of Naringenin is mediated via attenuation of mineralocorticoid receptor (MCR)/ angiotensin converting enzyme (ACE)/ kidney injury molecule (Kim-1) signaling pathway. *Euro J Pharmacol* 880:173142. doi: 10.1016/j.ejphar.2020.173142.
38. Gbadamosi IT, Opatola DG, Oyagbemi A, Ajibade TO, Bolaji-Alabi FB, Omobowale TO, Saba AB, Adedapo AA, Yakubu MA, **Oguntibeju OO** (2020). Methanol extract of *Caesalpinia benthiana* normalizes blood pressure and attenuates oxidative stress in uninephrectomized hypertensive rats. *J Basic Clin Physiol Pharmacol*. 14:/j/bcphp.ahead-of-print/jbcpp-2020-0065/jbcpp-2020-0065.xml. doi: 10.1515/jbcpp-2020-0065.
39. Alabi TD, de Villiers C, du Plessis SS, Monsees TK, Brooks NL, **Oguntibeju OO** (2020). Beneficial role of *Anchomanes difformis* in STZ-induced reproductive dysfunction in male Wistar rats. *Diab Metab Syndr & Obesity: Targets and Therapy* 13: 4553-60.
40. Adedapo AA, Ogunmiluyi IO, Falayi OO, Ogunpolu BS, Oyagbemi AA, Orisadipe A, Omobowale TO, Yakubu MA, **Oguntibeju OO** (2020). The lyophilized aqueous leaf extract of *Moringa oleifera* blunt streptozocin-induced diabetes in rats through upregulation of GLUT 4 signaling pathway and anti-oxidant effect. *Sci African* 10: 1-11.
41. Adedapo AA et al (2020). Ramipril blunts glycerol-induced acute renal failure in rats through its anti-apoptosis, anti-inflammatory, anti-oxidant, and renin-inhibiting properties. *J Basic & Clin Physiol & Pharmacol* doi:10.1515/jbcpp-2020-0032.
42. Goboza M, Meyer M, YG. Aboua & **Oguntibeju OO** (2020). In vitro antidiabetic and antioxidant effects of different extracts of *Catharanthus roseus* and its indole alkaloid, vindoline. *Molecules* 25: 1-22.
43. Adedapo et al (2020). The antidiabetic potential of chloroquine in streptozocin-induced diabetes and its complications in rats. *Int J Vet Sci* 9(4): 483-490
44. Akinmoladun AC, Adetuyi AR, Komolafe K & **Oguntibeju OO** (2020). Nutritional benefits, phytochemical constituents, ethnomedicinal uses and biological

properties of miracle fruit plant (*Synsepalum dulcificum* Shumach & Thonn Daniell). *Heliyon* 6: 1-8.

45. Akuru EA, Oyeagu CE, Mpendulo TC, Rautenbach F & **Oguntibeju OO** (2020). Effect of Pomegranate (*Punica granatum*) peel powder meal dietary supplementation on antioxidant status and quality of breast meat in broilers. *Heliyon* 6: 1-12.
46. Nzekwe S, Morakinyo A, **Oguntibeju O** & Ayeleso A (2020). Effect of *Taraxacum officinale* leaf extract on liver antioxidant status in streptozotocin-induced diabetic male Wistar rat. *Afri J Bmed Res* 23 (9): 421-428.
47. Oyagbemi AA, Bolaji-Alabi FB, Ajibade TO, Adejumobi OA, Ajani OS, Jarikre TA, Omobowale TO, Ola-Davies OE, Soetan KO, Aro AO, Emikpe BO, Saba AB, Adedapo AA, Oyeyemi MO, Nkadimeng SM, Kayoka-Kabongo PN, McGaw LJ, **Oguntibeju OO** & Yakubu MA (2020). Novel antihypertensive action of rutin is mediated via inhibition of angiotensin converting enzyme/mineralocorticoid receptor/angiotensin 2 type 1 receptor (ATR1) signaling pathways in uninephrectomized hypertensive rats. *J Food Biochem* 44(12): 13534.
48. Adedapo AA et al (2020). Ethanol leaf extract of *Moringa oleifera* mitigates glycerol-induced acute kidney damage in rats through down regulation of KIM-1 and NF- κ B signaling pathways. *J Pharmacognosy & Nat Products* 8(2): 1-9.
49. Goboza M, Aboua YG, Chegou N & **Oguntibeju OO** (2019). Vindoline effectively ameliorated diabetes-induced hepatotoxicity by docking oxidative stress, inflammation and hypertriglyceridemia in type 2 diabetes-induced male Wistar rats. *Biomed & Pharmacotherapy* 112: 1-11.
50. Ofuegbe SO, Otagbemi AA, Omobowale TO, Adedapo AD, Ayodele AE, Yakubu MA, **Oguntibeju OO** & Adeapo AA (2019). Methanol leaf extract of *Momordica charantia* protects alloxan-induced nephropathy through modulation of BCL2/NF- κ B signalling pathways in rats. *J Herbal Drugs* 10(4): 175-182.
51. **Oguntibeju OO**, Aboua Y & Goboza M (2019). Vindoline-a natural product from *Catharanthus roseus* reduces hyperlipidemia and renal pathophysiology in type 2 diabetes. *Biomedicines* 7: 1-23.
52. **Oguntibeju OO** (2019). Medicinal plants and their effects on wound healing in diabetic state. *Vet World* 12(5): 653-663.
53. **Oguntibeju OO** (2019). Type 2 diabetes mellitus, oxidative stress and inflammation: Examining the links. *Int J Physiol, Pathophysiol & Pharmacol* 11(3): 45-63
54. **Oguntibeju OO** (2019). African traditional medicine: relevance, regulation, potential challenges and possible remedies. *Asian J Agric & Biol* 7(1): 166-175.

55. Ofuegbe S, Falayi O, Ogunpolu B, Oyagbemi A, Omobowale T, Yakubu M, Oguntibeju OO, Adedapo A (2019): Antidiabetic and anti-oxidant effects of methanol leaf extract of *Momordica charantia* following alloxan-induced hyperglycaemia in rats. *J Herbal Drugs* 10(3): 103-116.
56. Olugbodi JO, Tincho MB, **Oguntibeju OO**, Olaleye M & Akinmoladun AC (2019). *Glyphaea brevis*: *In vitro* antioxidants and *in silico* biological activity spectrum of major constituents and molecular docking analyses. *Toxicol In Vitro* 59:187-196.
57. Ofuegbe SO, Oyagbemi AA, Fagbohun OA, Omobowale TO, Adedapo AD, **Oguntibeju OO**, Ayodele AE, Yakubu MA & Adedapo OO (2019). Ameliorative properties of methanol leaf extract of *Momordica charantia* following alloxan-induced cardiotoxicity in rats. *J Herbal Drugs* 10(1): 61-72.
58. Alabi TD, Brooks NL & **Oguntibeju OO** (2019). Antioxidant activity, phytochemical screening and identification of active compounds in *Anchomanes difformis*, *Nat Prod J* 9:1-12.
59. Adeoye AT, Oyagbemi AA, Ajibade TO, Omobowale TO, Adedapo AD, Ayodele AE, Yakubu MA, **Oguntibeju OO**, Adedapo AA (2019). Effect of methanol leaf extract of *Vernonia amygdalina* in alloxan-induced hepatopathy in rats. *Tropical Veterinarian* 37 (3): 128-146.
60. **Oguntibeju OO** (2019). Hypoglycaemic and anti-diabetic activity of selected African medicinal plants. *Int J Physiol, Pathophysiol & Pharmol* 11(5): 224-237
61. Olabiyi FA, Aboua YG, Moses TK, Popoola OK & **Oguntibeju OO** (2019). Evaluation of antioxidant, cytotoxicity and antityrosinase activities of *Phyllanthus amarus* extracts. *Nat Prod J* 9:1-9.
62. **Oguntibeju OO** (2019). Anti-diabetic, anti-inflammatory, anti-bacterial, anti-helminthic, antioxidant and nutritional potentials of *Musa paradisiaca*. *Asian J Pharma & Clin Res* 12(10):1-5.
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1. Oyagbemi AA et al (2021). Luteolin mitigates potassium dichromate-induced nephrotoxicity, cardiotoxicity and genotoxicity through modulation of Kim-1/Nrf2 signalling pathways. Env Toxicol.

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2. Adedapo AA, Etim U, Falaye OO, Ogunpolu BS, Omobowale TO, Oyagbemi AA & **Oguntibeju OO** (2019). Methanol stem extract of *Moringa oleifera*

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4. Omolola Victoria Awoyemi, Yemisi Dorcas Adeoye, Ademola Adetokunbo Oyagbemi, Olafunk Eunice Ola-Davies, Temitayo Olabisi Ajibade, Ebunoluwa Rachael Asenuga, Blessing Seun Ogunpolu, Olufunke Olubunmi Falayi, Fasilat Oluwakemi Hassan, Temidayo Olutayo Omobowale, Adebowale Benard Saba, Adeolu Alex Adedapo, **Oguntibeju OO**, Momoh Audu Yakubu (2019). Ameliorative effects of Luteolin against potassium dichromate-induced hypertension and genotoxicity through modulation of Kim-1/Nrf2 signaling pathways.
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1. Patho-physiology and complications of diabetes mellitus, ISBN 978-953-51-0833-7: InTech, Croatia, Europe.
2. Diabetes Mellitus: Insights and Perspectives, ISBN 978-953-51-0939-6: InTech, Croatia, Europe.
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CONFERENCE PRESENTATIONS & PROCEEDINGS

1. **Oguntibeju OO** (2019). My plants, my health. Guest Lecture 17-22 March 2019, Adeleke University, Ede, Osun State, Nigeria.
2. **Oguntibeju OO** (2019). Medicinal Plants: The bad and the good. Guest lecture. 3-7 Sept OSUSTech, Okitipupa, Ondo State, Nigeria.
3. **Oguntibeju OO**, Alabi TD & Brooks NL (2019). Evaluation of the antioxidant and anti-inflammatory activity of *Anchomanes difformis* in a diabetic animal model. 7th Annual Meeting of Int Cytokine and Interferon Society (ICIS) 20-23 Oct 2019, Vienna, Austria.
4. Adedapo AA, Ogunmiluyi IO, Falayi OO, Ogunpolu BS, Oyagbemi AA, Orisadipe A, Omobowale TO, Yakubu MA, **Oguntibeju OO** (2019). The aqueous leaf extract of *Moringa oleifera* blunt streptozotocin-induced diabetes in rats through upregulation of GLUT 4 signaling pathway and anti-oxidant effect. 4th Int Conf SOMPED, 26-29 Aug 2019, Abuja, Nigeria.
5. Awoyomia, OV, YD Adeoye, AA Oyagbemi, OE Ola-Davies, TO Ajibade, ER Asenuga, BS Ogunpolu, OO Falayi, FO Hassan, TO Omobowale, AB Saba, AA Adedapo, **OO Oguntibeju**, MA Yakubu (2019). Ameliorative effects of Luteolin against Potassium dichromate-induced hypertension and genotoxicity through modulation of Kim-1/Nrf2 signaling pathways. 4th Int Conf SOMPED, 26-29 Aug 2019, Abuja, Nigeria.
6. Hassan, FO, AA Oyagbemi, BS Ogunpolu, OO Falayi, OE Adebisi, KO Adigun, AK Adebayo, OR Folarin, ER Asenuga, OA Adejumobi, TO Omobowale, JO Olopade, AB Saba, AA Adedapo, S Nkadamengb, LJ McGaw, Oguntibeju OO, MA Yakubu (2019). *Launea taraxacifolia* ameliorates neurobehavioral deficit induced by L-nitro arginine methyl ester in wistar rats. 4th Int Conf SOMPED, 26-29 Aug 2019, Abuja, Nigeria.
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9. Adedapo OO, Asunloye OO, Adeoye BO, Oyagbemi AA, Omobowale TO, Falayi OO, Ogunpolu BS, **Oguntibeju OO** & Yakubu MA (2019). The ethanol leaf extract of *Moringa oleifera* blunts isoproterenol-induced cardiotoxicity in rats through mitigation of free radical production and down regulation of cardiac troponin and nuclear factor kappa B. Experimental Biology Congress April 2019, USA.
10. **Oguntibeju OO**, Brooks NL & OR Ayepola (2018). Diabetes-induced oxidative stress and inflammation in the red blood cells and serum/plasma of rats: the role of bitter kola. SOMPED Int Conf 26-30 Aug 2018 Johannesburg, South Africa.
11. **Oguntibeju OO** (2018). Intereaction between diabetes, oxidative and inflammation: the role of kolaviron: Scientific Visit. 16-21 Dec 2018, Roma 3 University, Rome, Italy.
12. **Oguntibeju OO** (2018). Regulation and challenges associated with Africa Traditional Medicine: Scientific Visit. 22 June to 3 July 2018, University of Ibadan, Ibadan, Nigeria.
13. Goboza M, Aboua GY & **Oguntibeju OO** (2018). Vindoline effectively ameliorated diabetes- induced hepatotoxicity by docking oxidative stress, inflammation and hyperlipidaemia. SOMPED Int Conf 26-30 Aug 2018 Johannesburg, South Africa.
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 31. **Oguntibeju OO** (2015): Keynote address: Combating acute and chronic health challenges: the medical laboratory as a critical tool. 51st Annual Scientific Conf & Workshop of Association of Med Lab Scientists of Nigeria. 12-117 Oct 2015 Port Harcourt, Rivers State, Nigeria.
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 34. Ayeleso AO, **Oguntibeju OO** & Brooks NL. Impact of co-administration of red palm oil (*Elaeis guineensis*) and rooibos (*Aspalathus linearis*) on glycaemic parameters, key glycolytic enzymes and liver function in diabetic rats. 2nd Int Conf: African Society for Lab Medicine 30 Nov-4 Dec 2014, Cape Town, South Africa.
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 41. **Oguntibeju OO**, OBL Alinde, J van Rooyen & AJ Esterhuysen. (**Keynote Speaker**) Induced-oxidative stress and red palm oil (RPO) supplementation for 4 and 6 weeks in animal model: Any benefit? Int Conf & Exhibition on Nutr Sc & Therapy 27-29 Aug 2012, Philadelphia, USA.
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 46. Ajuwon OR, Katengua-Thamane E, Van Rooyen J, Oguntibeju OO and Marnewick JL. Protective effects of rooibos (*Aspalathus linearis*) and/or red palm oil (*Elaeis guineensis*) supplementation of tert-butyl hydroperoxide-induced oxidative hepatotoxicity in Wistar rats. Poster presentation at the 19th Annual Meeting of the Society for Free radical Biology and Medicine (November 14-18 2012), San Diego CA, USA.
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 49. Ayeleso AO, **Oguntibeju OO**, Aboua YG & Brooks NL (Effects of red palm oil on sperm motility parameters of streptozotocin-induced diabetic rats. 2nd World Congress on Fertility & Antioxidants 6-7 Dec 2012 Paris, France.

50. Ayeleso AO, **Oguntibeju OO** & NL Brooks. Effects of red palm oil and rooibos on glycemc and lipidemic parameters in streptozotocin-induced hyperglycemic male Wistar rats. Postgraduate Research Conf 7 Sept 2012, Bellville, South Africa.
51. **Oguntibeju OO (Invited Guest Speaker)**. Effects of palm oil on blood antioxidant status in rat model of tertiary-butyl hydroperoxide-induced oxidative stress. Int Biochemistry & Biophysics Forum 3-4 Nov 2011 Montreal, Canada.
52. **Oguntibeju OO (Invited Guest Speaker)**. Potential health benefits of red palm oil: scientific evidences. Shijiazhuang International Life Science & Pharmaceutical Forum April 23-25 2011 Shijiazhuang, China.
53. OR Ajuwon, OO Fakoya, OV Afuwape, BM Raheem, **O Oguntibeju** & J Marnewick. Red palm oil reverses lead-induced lipid dysfunction and biochemical alterations in the plasma of Wistar rats 2011 Paris, France.
54. OR Ajuwon, E Katengua-Thamahane, J van Rooyen, **OO Oguntibeju** & J Marnewick. The effect of rooibos (*Aspalathus Linearis*) supplementation on tert-butyl hydroperoxide-induced oxidative damage in liver and kidney of rats. Society for Free Rad Biol & Med 18th. Annual Conf Nov 15-20 2011, Atlanta GA, USA.
55. **Oguntibeju OO**, YM Bah`him, HA Lewis & K Mokwena. Reasons for pregnancies among HIV-positive women on a prevention of mother-to-child transmission programme. 26th IUSTI-Europe Congress 8-10 Sept 2011 Riga, Latvia.
56. Alinde OBL, **OO Oguntibeju**, J Van Rooyen & AJ Esterhuyse. Effects of palm oil on plasma antioxidant capacity in rat model of tertiary-butyl hydroperoxide-induced oxidative stress. Joint Research Conf 17-19 Aug 2011 East London, South Africa.
57. **Oguntibeju OO**, Akinloye O & Ogunleye K. Cadmium, lead, arsenic and selenium levels in patients with type 2 diabetes mellitus. IBMS Congress 26-28 Sept 2011 ICC Birmingham, UK.
58. Alinde OBL, **OO Oguntibeju**, J Van Rooyen & AJ Esterhuyse. Effects of palm oil on plasma antioxidant capacity in rat model of tertiary-butyl hydroperoxide-induced oxidative stress. Lab Med Congress 31 Aug-4 Sept 2011 Johannesburg, South Africa.
59. **Oguntibeju OO**, Akinloye, Olabiyi SA & Arowojolu AO. Non-enzymatic antioxidant status of women on four methods of contraception. Lab Med Congress 31 Aug-4 Sept 2011 Johannesburg, South Africa.
60. Ajuwon OR, Katengua-Thamahane ETM, Van Rooyen J, **Oguntibeju OO** & Marnewick JL. The effect of rooibos (*Aspalathus linearis*) supplementation on tert-butylhydroperoxide- induced oxidative damage in liver and kidney of male

Wistar rats. CPUT Res Day: A Celebration of Research Excellence, Cape Town, 2 December 2011.

61. Orisatoki RO & **Oguntibeju OO**. The perception of taxi drivers in southern part of St Lucia, West Indies towards HIV/AIDS and condom use. Int Symposium on HIV & Emerging Infectious Diseases-ISHEID, 24-26 March 2010, Marseille, France.
62. **Oguntibeju OO**, Akinola FF, Adisa AW & Owojuyigbe OS. Physico-chemical properties of palm oil from different Nigeria oil palm local factories. 15th World Congress of Food Science and Technology-IUFOST 22-26 August 2010 Cape Town South Africa.
63. Ajuwon O, O Fakoya, O Afuwape, B Raheem, **O Oguntibeju** & J Marnewick. Effects of red palm oil (RPO) administration on lead-induced oxidative stress and tissue lead accumulation in Wistar rats. South African Congress for Pharmacology & Toxicology 3-6 October 2010 Cape Town South Africa.
64. **Oguntibeju OO**, Akinloye O & Oyewale OJ. Evaluation of trace elements in pregnant women with pre-eclampsia. 11th International Chemistry Conference in Africa (11 ICCA) 20-23 Nov 2010 Luxor, Egypt.
65. **Oguntibeju OO**, Katengua E, Esterhuyse AJ & Truter EJ. Effect of red palm oil supplementation on antioxidant enzyme levels in animal model. Biomedical Science Congress, 28-30 September 2009, Birmingham, UK.
66. **Oguntibeju OO**, AJ Esterhuyse & EJ Truter). Nutritional, physiological and therapeutic roles of red palm oil in improving human wellbeing and quality of life. International Conf Humboldt Kolleg, 9-12 August 2009, Osogbo, Nigeria.
67. Mars JA, Gihwala D & **Oguntibeju OO**. Determination of trace elements (Cu, Fe, Mn & Zn) in red palm oil and other off-the shelf oil products. 7th Conf of the Society for Free Radical Research in Africa, University of Mauritius, 14-17 July 2008, Mauritius.
68. **Oguntibeju OO**. Micronutrients supplementation in HIV/AIDS Patients. Caribbean Association of Medical Technologists (CASMET) Symposium, 28 Oct-4 Nov 2007, Vieux Fort, St Lucia, West Indies.
69. **Oguntibeju OO**, W.M.J Van den Heever & F.E Van Schalkwyk. The effect of a liquid nutritional supplement on the viral load of HIV/AIDS patients Abstract published on CD- ROM at the XVI Int AIDS Conf, 13-18 August 2006, Toronto, Canada.
70. **Oguntibeju OO**, W.M.J Van den Heever & F.E Van Schalkwyk. The effect of a nutritional supplement on the viral load and haematological parameters of HIV-positive/AIDS patients. IBMS Congress, 26-28 September 2005, Birmingham, UK.
71. Van Schalkwyk FE, **Oguntibeju OO** & W.M.J Van den Heever. The correlation between anthropometric profile, CD4+T-cell count and Viral load

in HIV-positive/AIDS patients. 18th International Congress of Nutrition, 19-23 September 2005, Durban, South Africa.

72. Van den Heever WMJ, **Oguntibeju OO** & F.E Van Schalkwyk. The influence of a nutritional supplement on the immune status of adult HIV-positive patients in the Free State Province of South Africa. 2nd South African AIDS Conf., 7-10 June 2005, Durban, South Africa.
73. **Oguntibeju OO**, W.M.J Van den Heever & F.E Van Schalkwyk. The influence of a nutritional supplement on the immune status and haematological parameters of HIV-positive/AIDS patients in the African community of Bloemfontein, Free State South Africa. 38th Congress of the South African Pharmacology Society, 24-27 Oct 2004, Bloemfontein, South Africa.
74. **Oguntibeju OO**, W.M.J Van den Heever & F.E Van Schalkwyk. The influence of a combination liquid product on the immune status of HIV-positive/AIDS patients. 17th SMLTSA Congress, 5-8 May 2003, Bloemfontein, South Africa.

THESIS AND DISSERTATION

1. Occurrence of *Pseudomonas aeruginosa* in post-operation wound infections-**AIMLS**
2. Assessment of liver enzymes in patients with HIV and AIDS-**FIMLS**
3. Serum ascorbate, lipids and total protein in newly diagnosed non-insulin dependent diabetes mellitus (NIDDM) among Nigerians-**MSc**.
4. The influence of a multiple combination liquid product on the immune status of HIV- positive/AIDS Patients-**Doctoral**.

POSTGRADUATE STUDENTS SUPERVISED & GRADUATED

GRADUATED STUDENTS

Twenty (24) students have completed their masters' degree (graduated) while 10 students have completed their doctoral degree programmes under my supervision.

POSTGRADUATES, PASSED & CURRENT POSTGRADUATE STUDENTS

MASTER STUDENTS

N Macuphe (MSc-completed)

SD Mthombeni (MSc-ongoing)

Prisca Kachebe (MSc-graduated)

Linda Ledwaba (MSc-ongoing)

Faiega Adams (MSc-graduated).

M Engelbrecht (MSc- graduated).
Murendi Nethengwe (MSc-ongoing
T Ismail (MSc-graduated)
B Canda (MTech-graduated
OBL Alinde (MTech-graduated)

DOCTORAL STUDENTS

H Witbooi (PhD, Horticulture, passed)
Z Hardy (PhD, Food Science-ongoing)
J Aboyewa (PhD-completed)
TD Alabi (PhD-graduated: Effects of *Anchomanes difformis* extract on biochemical and histological parameters in streptozotocin-induced diabetes and diabetic complications.
M Goboza (PhD-graduated. Modulatory and antidiabetic activities of *Vindoline and Catharanthus roseus* in high-fat diet streptozotocin-induced diabetic male Wistar rats and in INS-1 cell line.
F.A Olabiyi (PhD-graduated). The potential effect of named medicinal plant in STZ-induced diabetic male Wistar rats.
AM Adekilekun (PhD-ongoing). An assessment of cardiovascular and biochemical parameters in aircrew with prolonged exposure to high altitude: Nigeria as a case study
YY Murevanhema (PhD-ongoing). Antioxidant activities, anti-inflammatory and oxidative stress effects of Bambara groundnut (*Vigna subterranea* (L.) Verdc) seeds and its products.
EO Omodanisi (DTech-graduated). Hypoglycaemic, antioxidative and anti-inflammatory potentials of *Irvingia gabonensis* in STZ-induced diabetic rats.
BO Olafisoye (PhD-graduated). Radioactivity and antioxidant activity of trace elements in palm oil, leaf, soil, and fruits.
M Motswaledi (PhD-graduated). Role of blood groups in preventing or enhancing HIV infection in Botswana.
OR Ajuwon (PhD-graduated). Effects of red palm oil and rooibos on oxidative and inflammatory biomarkers in an experimental rat model.

A Ayeleso (PhD-graduated). Effects of dietary consumption of two natural products (red palm oil) and rooibos tea on STZ-induced diabetes in Wistar rats.

O Ayepola (PhD-graduated). Effects of Kolaviron-a biflavonoid from the seed of *Garcinia kola* on biochemical and histological features in diabetes and its complications (Nephrotoxicity and hepatotoxicity) in male Wistar rats.

THESIS EXAMINED

- 2021 Candidate's name: Pamela Rungqo, University of Fort Hare, Alice
Degree: PhD (Chemistry)
Title: Investigation of the chemical profile and biological activities of *Pelargonium* and *Hypoxis* species.
- 2019 Candidate's name: Olubunmi Oyekunle, University of the Western Cape, Bellville
Degree: PhD (Medical Bioscience)
Title: Potential anti-melanogenic effects of selected South African medicinal plants on B16 melanoma cells.
- 2019 Candidate's name: Zibusiso Mkandla, University of KwaZulu Natal, Durban
Degree: PhD (Health Sciences-Physiology)
Title: Evaluating Immune Activation and Cellular Determinants of Thrombosis in pre-diabetes.
- 2019 Candidate's name: Abdulrahman Elbagory, University of the Western Cape, Bellville
Degree: PhD (Biotechnology)
Title: Green synthesis and characterization of gold nanoparticles from South African plants and their biological evaluations.
- 2019 Candidate's name: Bushra Gamoudi, University of the Western Cape, Bellville
Degree: MSc (Medical Bioscience)
Title: Evaluating the neuroprotective effects of fermented rooibos herbal tea in Wistar rats exposed to Bishenol-A during gestation and lactation.
- 2019 Candidate's name: YN Mhlomi, University of Fort Hare, Alice
Degree: MSc (Botany-Phyomedicine)
Title: Bioavailability of nutrients in a diet enriched with *Moringa oleifera* Lam, leaves using Wistar rats..
- 2018 Candidate's Name: TA Adekiya, University of Zululand
Degree: MSc: Biochemistry
Title: Theoretical modelling of temperature and rainfall on *Schistosoma* Species population dynamics

- 2018 Candidate's Name: SP Radebe: Durban University of Technology
Degree: Master of Health Sciences: Biomedical Technology
Title of Thesis: In vitro antibacterial activity of azole antifungals against carbapenem-resistant enterobacteriaceae.
- 2018 Candidate's Name: E Mugomeri, Central University of Technology
Degree: PhD: Biomedical Technology
Title of Thesis: Isoniazid preventive therapy for tuberculosis occurrence in HIV- positive patients in Lesotho.
- 2017 Candidate's Name: Ntagi Mariri, Central University of Technology
Degree: Master of Health Sciences: Biomedical Technology
Title: In vitro evaluation of the bioactivity of *Gnidia polycephala* and *Senecio serratuloides*.
- 2017 Candidate's name: BK Beseni, University of Limpopo
Degree: MSc: Biochemistry
Title: Glut4 translocation augmentation effects of medicinal plants traditionally used for the management of type 2 diabetes mellitus.
- 2017 Candidate's Name: O.O Akapo, University of Zululand
Degree: MSc: Biochemistry
Title: Recombinant expression, purification and structural characterization of *Aspergillus niger* ring finger domain using nuclear magnetic resonance (NMR) spectroscopy.
- 2014 Candidate's Name: M Potgieter, Central University of Technology
Degree: MTech: Biomedical Technology
Title of Thesis: Antiretroviral drug detection in urine using HPLC.
- 2013 Candidate's Name: MB Jordaan, Cape Peninsula University of Technology
Degree: MTech: Food Technology
Title of Thesis: Effect of processing on starch and glycemic properties of *Digitaria* spp.
- 2013 Candidate's Name: Ed J Vermaak, Central University of Technology
Degree: PhD: Clinical Technology
Title of Thesis: The Influence of nutritional supplementation on the lung function and immune status of HIV-infected individuals in Mangaung
- 2013 Candidate's name: Carine Kunsevi-Kilola, University: Cape Peninsula University of Technology
Degree: MTech
Title of Thesis: The effect of rooibos on trace elements absorption and clinical parameters-a murine model.
- 2013 Candidate's Name: G Setlhare, Central University of Technology.
Degree: MTech

Title of Thesis: Extrinsic factors and bioaerosols in the food preparation area of Thaba-Nchu Hospital.

- 2010 Candidate's name: Dolapo Olaitan Awoniyi University: Cape Peninsula University of Technology
Degree: MTech
Title of Thesis: The role of Rooibos (*Aspalathus linearis*), Green tea (*Camellia sinensis*) and commercially available rooibos and green tea antioxidant supplements on rat testicular and epididymal function
- 2007 Candidate's name: Syed Zahid Hussain Bukhari University: University of the Punjab
Degree: PhD
Title of Thesis: Human immunodeficiency virus (HIV) infection: its association with viral load and immune status of patients in Pakistan

PROFESSIONAL & ACADEMIC LEADERSHIP

- 2009 Group Leader: Nutrition & Chronic Disease Research, CPUT
- 2009 Co-ordinator of Nigeria Research Initiative, CPUT, Cape Town South Africa
- 2008 – Date Student Counsellor UWC and CPUT, Cape Town South Africa
- 2006 – Date International Professors Project: Fellow/Member
- 2006 – 2008 Course Director, Biochemistry Spartan Health Sciences University, St Lucia
- 2006 – 2008 Co-ordinator, Continuing Medical Education (CME/CPD) Spartan Health Sciences University, St Lucia
- 2006 Institute of Biology, UK: Member
- 2006 – Date Collaboration with the following scientists/researchers:
Dr AA Adepoju-Bello (Uni of Lagos, Nigeria),
Prof E van den Heever (Central University of Technology, Free State),
Prof FE Van Schalkwyk (Central University of Technology, Free State),
Dr Z Hattingh (Central University of Technology, Free State),
Dr M Mokgatle (MEDUNSA, Limpopo),
Dr N Odunaiya (University of Ibadan, Nigeria),
Dr AA Oyagbemi (University of Ibadan, Nigeria),
Prof M Meyer (UWC),
Prof AA Adedapo (University of Ibadan),
Dr AC Akinmoladun (Federal University of Technology, Akure),
Dr B Masola (Uni of Kwazulu-Natal, South Africa),
Dr S Amoo (ARC, Pretoria, South Africa).

Prof Novel Cheguo (Stellenbosch University)

Prof Emmanuel Mukwevho (North-west University)

Prof Thomas Monsees (UWC).

2006 – Date	Editorial board member of various scientific journals
2005	Institute of Biomedical Sciences, UK: Fellow
2003	Australian Institute of Medical Scientists, Australia: Member
2003	Australasian College of Biomedical Scientists, Australia: Fellow
2000 – 2002	HOD, Tebellow Hospital Laboratory, Lesotho
1997 – 1998	HOD, Crest Consultant Laboratory, Lagos, Nigeria
1994	Institute of Medical Laboratory Sciences of Nigeria, Nigeria: Fellow

COMMUNITY SERVICE & MANAGEMENT

1. Reaching the community through continuing educational development lectures on health- related issues.
2. Through community-based research studies: While teaching as a Senior Lecturer at Spartan Health Sciences University in the West Indies, I and a colleague (Dr RO Orisatoki) embarked on some community-based projects which include the following: cross-sectional study of the knowledge and attitudes of Vieux Fort residents towards the use of herbal medicine; the relationship between body mass index (BMI) and physical activity among residents of Vieux Fort, St Lucia; knowledge, substance abuse among students at a Caribbean medical students towards HIV/AIDS; knowledge and attitudes of students towards STIs in St Lucia.
3. Through my university and community activities which can be grouped into: seminar presentations, consultation and mentoring. I talk to young people on social, career issues, medical and health education. I mentor along moral responsibility, academic insights and inspiration, healthy living and general wellness. I speak at seminars and symposia that address issues affecting young people such as career prospects and guidance and also financial and time management principles. I also teach holistic success principles for life accomplishment-discipline, diligence and determination.
4. As a Fellow of the International Professors Project (IPP), I contribute to community development/ service by distributing electronic academic materials to universities in development countries.

INSTITUTIONAL DEVELOPMENT

Group Leader: Nutrition and Chronic Disease Research Unit, Faculty of Health and Wellness Sciences, Cape Peninsula University of Technology.

Member: Faculty Research Committee

Member: Faculty Ethic Research Committee Member: Faculty Interview Panel

Member: University Senate

Chair: Departmental Research Committee

Member: CPUT-NRF Rating Applications Committee Northlink College: Council member (Ministerial appointment)

Research Focus: Natural Products and Health

Leader: Prof O.O. Oguntibeju

Objective: To evaluate the potential role of natural antioxidant products in animal and human subjects.

Research Strategies

The research strategy of Phytmedicine and Phytochemistry Group fundamentally concentrate on the following:

- Identify and characterise medicinal plants used in the treatment of diabetes and CVD.
- Determine the phytochemical constituents of medicinal plants
- Assess the effects of antioxidant natural products on oxidative stress in animal model with chronic diseases (diabetes and CVD).
- Assess anti-diabetic, antiinflammatory, antiapoptotic modulatory effects of natural products (medicinal plants) in animal model.
- Measure possible negative effects (if any) of natural products in animal model.
- Evaluate dietary intake in human subjects with chronic diseases such as diabetes.
- Determine various biochemical parameters in animal model
- Determine blood level of nutritional and biochemical parameters in population/subpopulations with chronic diseases and examine the relationship between dietary intake and blood nutritional status.

REFERENCES

Prof Francis Lewu

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Prof Tunde Ojumu

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