

# CURRICULUM VITAE

## A GENERAL INFORMATION

Full Name: OJUEDERIE, Omena Bernard  
Date and Place of Birth: 1<sup>st</sup> April 1975, Benin City  
Marital Status: Married  
Gender: Male  
Nationality: Nigerian  
State of Origin: Delta State  
Local Government Area: Ethiope -East  
Names and Ages of Children: Ebruke 9 years, Ogheneruno 7 years & Efemena 5 years)  
Present Address: Department of Biological Sciences, Faculty of Science, Kings University PMB 555, Ode-Omu, Osun State, Nigeria  
Other Affiliation: Food Security and Safety Niche, Faculty of Natural and Agricultural Sciences, North-West University, Private Bag X2046 Mmabatho, South Africa.  
Current positions: Senior Lecturer & Ag. HOD Biological Sciences, Kings University, Nigeria.  
Extraordinary Senior Lecturer, Food Security and Safety Niche, North- West University South Africa August 1st, 2020-July 31st, 2023.  
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Skype: live:.cid.3c0d6257c5298210 Omena Ojuederie  
Google scholar: <https://scholar.google.com/citations?hl=en&user=tMlgG9EAAAAJ>  
ResearchGate: [https://www.researchgate.net/profile/Omena\\_Ojuederie](https://www.researchgate.net/profile/Omena_Ojuederie)  
Linkedin <https://www.linkedin.com/in/bernard-ojuederie-3610299a/>  
African Scientist <https://africanscientists.africa/business-directory/ojuederie/>  
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## B. EDUCATIONAL BACKGROUND

### Institution Attended with Dates

University of Ibadan, Ibadan, Oyo State, Nigeria  
2009-2016  
University of Ibadan, Ibadan, Oyo State, Nigeria  
2004-2005  
University of Benin, Benin city, Edo State, Nigeria  
1995-1999  
Greater Tomorrow Secondary School, Benin-City, Edo State  
1988-1993

## **Academic/Professional Qualifications with Dates**

PhD. Plant genetics	2016	
M.Sc. Environmental Biology (Plant Genetics),		2006
B.Sc. (Hons) Microbiology		2001
WAEC-SSCE (Sciences)	1999	
First School leaving certificate		1987

## **C. TEACHING AND RESEARCH EXPERIENCE**

### **(1) Department of Biological Sciences, Faculty of Science, Kings University, Ode-Omu, Nigeria**

**Senior Lecturer 2020 to date**

#### **Duties**

Ag. H.O.D., Department of Biological Sciences (2020-2021).

Ag. Director of Research and Linkages Kings University

Ag. Director Academic Planning Kings University

Chief Examiner Department of Biological Sciences

Senate representative at Council of Kings University

#### **Taught Courses during this academic session**

BIO 201/BIO 211: Genetics 1/ Introductory Genetics and Cell Physiology

BIO 202: Introductory Developmental Cell Biology

BTH 201: Introduction to Biotechnology

BTH 203: Principles of Plant Biotechnology

BTH 421: Plant tissue culture

BTH 408- Intellectual Property Rights and Bioethics

MCB 302: Microbial Genetics

MCB 306: Introductory Virology

MCB 401: Genomics, Metagenomics, and Proteomics

#### **Student supervision at Kings University**

- Ogunnubi Kayode Oluwatumisie KU/2017/001- Effect of titanium dioxide nanoparticles on the micropropagation of sweet potato plantlets under water-deficit stress. B.Sc. Biotechnology (Kings University).

#### **Membership of University Committees**

1. Business Committee of Senate
2. Committee in Charge of Transfer and Direct entry Students
3. Committee on Review of Curriculum

**Achievement-** Under my leadership as Ag. HOD of the Department of Biological Sciences, we obtained full accreditation for the biotechnology and microbiology programmes in the Department of Biological Sciences in the 2021 NUC accreditation exercise.

### **(2) Part-Time Lecturer PAN African University Institute of Life Sciences Including Health and Agriculture (PAULESI) UI, Ibadan. First Semester 2020/2021 Academic Session**

#### **Taught courses**

PPB 713-Advanced Plant Breeding

- (3) **Postdoctoral Research Fellow, Food Security and Safety Niche, Faculty of Natural and Agricultural Sciences North-West University (NWU), Mafikeng Campus, South Africa. July 11th, 2017 - June 30th, 2020.**

Research: Investigated the exploitation of rhizobacteria as biofertilizer to drought stresses on maize production (Molecular-Plant-Microbe Interaction). 14 rhizobacteria isolates with plant growth promoting and abiotic stress tolerance traits were identified using biochemical and molecular approaches (16S rRNA partial gene sequencing analysis). Isolates were also screened for the presence of plant growth-promoting genes: 1-aminocyclopropane-1-carboxylate (ACC) deaminase, siderophore biosynthesis genes, acid phosphatase as well as glutathione peroxidase, a stress tolerance gene. Select strains assessed on maize growth and development under greenhouse conditions.

**Work schedule:**

1. Biochemical and molecular characterization of plant growth promoting rhizobacteria (PGPR) strains from maize rhizosphere soil
2. In vitro assay for plant growth promoting and abiotic stress tolerance traits in PGPR
3. Presentation of research outputs in form of papers at Local and International conferences
4. Report writing and publication in peer-reviewed impact factor journals.
5. Other relevant duties as assigned by the Director of Food Security and Safety

**Student supervision at NWU-** Co-supervised an M.Sc. student, and an Honour's student

Queen Letlakana- *In vitro* screening of maize rhizospheric bacteria for plants growth promoting properties (Honors degree)

Abisiola R Sholeye- Bacteria diversity of South Africa Soil using metagenomic approach (Master's degree)

**Taught courses at NWU:**

MKBS 223: Introduction to recombinant DNA Technology and

MKBS 221: Microbial Genetics and Metabolism

- (4) **Visiting Lecturer: Department of Biological Sciences (Biotechnology Unit), Faculty of Science, Kings University, Ode-Omu, Osun State, Nigeria (May, 2019)**

**Taught course:**

BTH 404: Bioresources Management

- (5) **Biotechnology Lecturer: Department of Biological Sciences, Bells University of Technology, Ota, Ogun State Nigeria (June 1st, 2009- June 30th, 2017)**

**Job Description**

- (i) Lecturer I- October 2015 – July 2017 College of Natural and Applied Sciences

- (Department of Biological Sciences (Biotechnology Unit))
- (ii) Lecturer 11- October 2012-October 2015 College of Food Sciences  
(Department of  
Biotechnology)
- (iii) Assistant Lecturer -June 2009-October 2012 College of Food Sciences  
(Department of  
Biotechnology)

**Work schedule:**

Teaching and research. I contributed to the teaching of several courses in biological sciences, genetics, and biotechnology in undergraduate and postgraduate programs of the Department of Biological Sciences.

**Taught courses at Bells University of Technology**

- (a) **Undergraduate courses**  
BTE 202: Fundamentals of Biotechnology  
BTE 203: Introductory Cell and Molecular Biology  
BTE 204: Introductory Genetics.  
BTE 301: Agricultural Biotechnology  
BTE 303: Principles of Biochemical Engineering,  
BTE 307: Biostatistics,  
BTE 401: Plant Gene Transfer,  
BTE 501: Plant Tissue Culture,  
BTE 504: Seminar-Current topics in Biotechnology,  
BTE 506: Research in Biotechnology (Undergraduate)
- (b) **Postgraduate courses**  
a. M.Sc. Courses  
BTE 810 Genetic Engineering  
BTE 812: Research Techniques in Biotechnology  
BTE 815: Advanced Cell and Molecular Biology  
BTE 823: Advanced Food Biotechnology  
BTE 820: Tissue culture)  
b. PGD Courses  
BTE 711: Fundamentals of Biotechnology  
BTE 713: Biostatistics  
BTE 712: Genetic Engineering  
BTE 718: Food Biotechnology  
BTE 722: Tissue culture

**Student supervision at Bells University of Technology**

**Undergraduate students – 7**

- Owonubi Shesan John-2005/0048- Effect of plant growth regulators and explant regeneration of Bambara groundnut (*Vigna subterranea*) L. Verdc germplasm via embryo culture. 2009-2010. B. Tech Biotechnology (2010).
- Adewoye Oluwafisayo V.-2006/0156- The effect of auxin concentration and photoperiod on somatic embryogenesis and morphology of African yam bean (*Sphenostylis stenocarpa* Hochst. Ex A. Rich) Harms 2010-2011. B. Tech Biotechnology. (2011)
- Okuofu Somiame Itseme- 2007/0255- Assessment of genetic diversity in some *Moringa oleifera* Lam landraces using random amplified

polymorphic DNA markers and extraction of 'Ben Oil.' 2011-2012. B. Tech Biotechnology. (2012)

- Gbenga Matthew Olufuwa- 2008/0687- In Vitro Regeneration of Tomato (*Lycopersicon esculentum*. Mill) Varieties Using Plant Growth Regulators BAP and NAA. 2012-2013 B. Tech Biotechnology. (2014)
- Kuye Adewunmi Abigael-2010/1352- DNA Profiling of African yam bean (*Sphenostylis stenocarpa*) Hochst ex. A. Rich Harms using Microsatellite markers B. Tech Biotechnology (2015)
- Abubakar Bilyaminu Haruna-2012/2889. Optimization of Media for Regeneration of Cassava (*Manihot esculenta*) via Meristem Tip Culture Technique B. Tech Biotechnology (2016)
- Anas Habibu-2012/2822. Molecular profiling of Rice (*Oryza spp.*) Landraces from Kano State, using Simple Sequence Repeat (SSR) markers. B. Tech Biotechnology.

### **Master's students 2**

- Nkoyo Ani Nkang. Assessment of genetic diversity in Winged Bean (*Psophocarpus tetragonolobus*) (L.) DC. using Inter Simple Sequence Repeat (ISSR) Markers (2017)
- Kayode Ayodeji Molecular Characterization of Sesame (*Sesamum indicum* L.) Seeds from Northern Nigeria using Simple Sequence Repeat Markers (2017).

### **Administrative and academic sessions at Bells University of Technology**

- Course Adviser 200 level Biotechnology students (2015-2017)
- Staff seminar assistant coordinator (2014-2016)
- Examination Officer, Biotechnology programme (2012 -2017)
- Department of Biological Sciences Assistant Seminar Coordinator (2012-2017)
- SIWES coordinator Biotechnology programme (2009-2017)
- Member Bells University Admissions Committee (August 2013 –June 2017)
- Member Curriculum Review Committee on review of undergraduate and postgraduate programmes in Biotechnology.
- Department of Biological Sciences representative at Bells University time-table committee for Biotechnology programme
- Establishment of a plant tissue culture growth /initiation room at Bells University of Technology (March 2010)

### **(6) International Institute of Tropical Agriculture, Ibadan, Oyo State: World Bank Assisted**

**Project Global Public Good (GPG2) Genetic Resources Centre (GRC)**

**I.I.T.A. IBADAN**

**March 2003 to May 2009**

**Job title- Consultant/Research supervisor**

**Work Schedule**

- (a) Safe duplication of yam and cassava germplasm using meristem culture technique to obtain virus free planting materials.
  - (b) Disease indexing of cowpea germplasm using Protein A Sandwich (PAS) Enzyme linked Immunosorbent Assay (ELISA).
  - (c) Cryopreservation of cassava and optimization of the media for yam meristem culture
  - (d) Barcoding of the yam germplasm.
  - (e) Introduction of new yam and cassava germplasm from field bank to the in vitro genebank
- My research was carried out successfully and it enhanced the implementation of yam collection quality and quantity for conservation and use to ensure food security and poverty alleviation in Africa, along with the IITA targets.

**(7) Educational Advancement Centre: 45 Awolowo road Bodija Ibadan & The Centre for Continuing Education (CEC) Polytechnic Ibadan 2001-2003**  
**Job Title-Biology Teacher**  
**Work Schedule**

- Preparation of students for the Cambridge Advanced Levels and the Interim joint matriculation Board (I.J.M.B) Advanced Level Biology exams. My students excelled in the exams.
- Counselling of students and instructions on effective study methods

**D. RESEARCH INTERESTS AND ACTIVITIES**

- (i) Genetic diversity assessment of underutilised crops of economic value especially African yam bean (*Sphenostylis stenocarpa*) and Winged bean (*Psophocarpus tetragonolobus*) using molecular markers and modern technologies.
- (ii) Genetic diversity studies on the nutritional and anti-nutritional factors in underutilised legumes; African yam bean and Winged bean
- (iii) Utilisation and production of African yam bean especially its edible tubers for food security in Africa.
- (iv) Enhancing food and nutritional security in Africa
- (v) Marker assisted selection for improvement of underutilised and economic crops.
- (vi) Abiotic stress tolerance in agricultural crops
- (vii) Biodiversity assessment and phylogenetic studies on medicinal and underutilised crops
- (viii) Plant-microbe interactions

**E. CONFERENCES ATTENDED WITH DATES**

- (i) 1st National Conference on Status of Biotechnology Education and Research in Nigeria held at the International Centre for Biotechnology under the auspices of UNESCO, at the University of Nigeria, Nsukka 22-23rd September 2021, UNESCO ICB Conference Room, Nsukka, Nigeria (Virtual attendance).
- (ii) International E-Conference on Plant Science and Biology May 5th, United Research Forum, 1-75 Shelton Street Covent Garden, Wc2h 9jq, London, England.

- (iii) 3<sup>rd</sup> Summit and Conference 2021 of The National Centre for Genetic Resources and Biotechnology (NACGRAB) March 23<sup>rd</sup> & 24<sup>th</sup> 2021. Theme- Promoting Sustainable Conservation and Utilization of Genetic Resources for Food Security in Nigeria. Oral presentation- Ojuederie O.B. (2021). Exploitation of the genetic resources of underutilized legumes for food, and nutrition security in Nigeria.
- (iv) Society for Underutilized Legumes in conjunction with Genetic Resources Centre, International Institute of Tropical Agriculture (IITA), Ibadan., 4th Annual Conference and Stakeholders Meeting (Virtual) of the Society. Theme- Underutilized Legumes: Towards Sustainable Ecosystem Development and Food Security December 8<sup>th</sup>-9<sup>th</sup>, 2020. Oral presentation- Ojuederie O.B (2020). Effect of African yam bean (*Sphenostylis stenocarpa*) seed and tuber flour meals on key tissues of healthy male Wistar rats.
- (v) Nigeria Plant Breeders Association Maiden E-Conference Theme: - Food and Nutrition Security: Plant Breeding Strategies in Changing and Challenging Times. July 15th, 2020. Participant.
- (vi) Rhizosphere 5 Conference held at TCU Place in Saskatoon, Saskatchewan, Canada from July 7-11, 2019. Oral presentation-Ojuederie O.B. and Babalola, O.O (2019). *Pseudomonas* sp. strains MRBP4 and MRBP13 isolated from maize rhizosphere soil, extenuates drought stress in inoculated maize (*Zea mays* L.) Plants.
- (ii) 31st Annual International Conference of the Biotechnology Society of Nigeria: Biotechnology: Key to Achieving Sustainable Development Goals (SDGs) 5th-9th August 2018 at Covenant University, Ota, Ogun State, Nigeria. Oral presentation- Ojuederie, O.B and Babalola, O.O (2018). *In vitro* screening and characterization of maize rhizobacteria for plant Growth Promoting Properties under induced stress conditions.
- (iii) 2nd Annual Conference and Stakeholders Forum on Underutilized Legumes, July 11th -12th, 2018 at Covenant University Centre for Research, Innovation and Discovery, Covenant University, Ota, Ogun State, Nigeria. Oral presentation– Ojuederie, O.B. (2018) African Yam Bean (*Sphenostylis Stenocarpa*) tubers for nutritional security.
- (iv) SASBMB-FASBMB Conference 8th -11th July 2018 at North-West University, Potchefstroom, South Africa. Oral presentation- Ojuederie O.B and Babalola, O.O (2018) Molecular detection and characterization of maize rhizobacteria for plant growth promoting traits.
- (v) 38th Annual Conference of the Genetics Society of Nigeria: Genetics Public Awareness and National Transformation. 19th-23rd October 2014 at Bishop Kelly Pastoral Centre, Airport Road, Benin City, Edo State, Nigeria. Oral presentation- Ojuederie, O.B. and Balogun M.O (2014) Molecular characterization of African yam bean (*Sphenostylis stenocarpa* (Hochst ex. A Rich) Harms) accessions using Amplified fragment length polymorphism markers.
- (vi) 34th Annual Conference of the Genetics Society of Nigeria: Genetics and Sustainable Livelihood in a Developing Economy. 19th -24th September 2010 at the National Horticultural Research Institute Idi-Ishin Ibadan, Nigeria. Oral presentation- Ojuederie, O.B., Odu B.O. and Ilori C.O. (2010) Immunodiagnosics of seed borne viruses in cowpea regenerated germplasm using Protein A. Sandwich Enzyme linked Immunosorbent assay Food security and sustainability.

## F. WORKSHOPS Attended with Dates

- Six (6) days' workshop on Statistical and Data Analytics with R organized by Cypher Analytics, India (12-17 October 2020)
- Next Generation Sequencing webinar series by Biotechniques 6 weeks (10th July – 14th August 2020)
- Software Data Carpentry workshop on the use of Open-refine and R for data analysis and data visualization held at North-West University South Africa (18th -20th July 2018)
- Research data analysis workshop on the use of Open-refine and R for data analysis and data visualization held at North-West University South Africa 1st -3rd November 2017.
- Responsible conduct of research and laboratory practices by Food Security and Safety Niche, North-West University, South Africa in collaboration with Iowa State University held at North-West University South Africa (16-17th October 2017).
- Laboratory safety workshop addressing legal requirements, hazards in the lab environment and controls to reduce risks in the workplace organized by Safety Auditing Forte & Training held at North-West University South Africa 19th July 2017.
- Statistics and Statistical Computing Course with Statistical Analysis System (SAS) organized by IITA Capacity Development Office and Biometrics Unit International Institute of Tropical Agriculture (IITA), Ibadan July 08-12, 2013.
- Biosafety Workshop organized by the Federal Ministry of Environment in collaboration with United Nations Environment Program (UNEP) –Global Environment Facility (GEF) held at KS Motel Queen Elizabeth II Road, Orita Meta, Total Garden, Ibadan 13th September 2012.
- Gene Ontology (Functional modeling) National Biotechnology Development Agency (NABDA/WABWS/IITA/AgBase Workshop) held at the International Institute of Tropical Agriculture Ibadan 2nd – 6th August 2011.
- DNA Fingerprinting: Biotechnology Centre University of Agriculture Abeokuta (UNAAB) Nigeria (26th -30th July 2010).
- E-learning Course on Management of Microbiological Hazards in Foods held at Bells University of Technology, Ota, Nigeria in Collaboration with Wageningen Business School Wageningen, The Netherlands 10th January 2010.

## G. PROFESSIONAL ACCOMPLISHMENT

I have contributed to the training of undergraduate and postgraduate students in biotechnology. My research on the underutilised legume African yam bean has enhanced its utilisation and production as well as attracted research interests from other scientists. Findings from my research have been presented at both local and international conferences.

## H. LIST OF PUBLICATIONS

### **Practical Laboratory Manuals Bells University of Technology**

Anyakorah C.I. Ogunsola K.E and Ojuederie O.B. (2015). Plant tissue culture laboratory manual pp 25

Anyakorah C.I. Ogunsola K.E and Ojuederie O.B. (2015). Molecular Genetics laboratory manual pp27.



## IITA International Laboratory Manuals on Genebanking

Dumet D., Adeyemi, A., and Ojuederie O.B. (2008) Cassava in vitro processing and gene banking. International Institute of Tropical Agriculture pp 38 Available at <http://www.iita.org/genabank/manual>

Dumet D., Adeyemi, A., and Ojuederie O.B. (2008) Yam in vitro gene banking. International Institute of Tropical Agriculture pp 33 Available at <http://www.iita.org/genabank/manual>.

### Published Journal Articles (Peer-reviewed)

- Odesola K.A., Essien E.I., Ogunsola K.A., Igwe D.O., **Ojuederie O.B.** (2021). Genetic Diversity of *Ocimum* species (Scent leaf) Landraces from South-South Nigeria Using Inter-Simple Sequence Repeat (ISSR) Markers. *Tropical Plant Research*. 8(1): 81–94. <https://doi.org/10.22271/tpr.2021.v8.il.011>
- Adegbeye, M.F., **Ojuederie, O.B.**, Talia, P.M., Babalola, O.O (2021) Bioprospecting of microbial strains for biofuel production: metabolic engineering, applications, and challenges. *BMC Biotechnology for Biofuels*. 14:5 <https://doi.org/10.1186/s13068-020-01853-2>
- **Ojuederie, O.B.**, Ajiboye, J, A., Babalola, O.O (2020) Biochemical and Histopathological Studies of Key Tissues in Healthy Male Wistar Rats Fed on African Yam Bean Seed and Tuber Meals. *Journal of Food Quality* Volume 2020, Article ID 8892618, 10 pages. <https://doi.org/10.1155/2020/8892618>
- Chukwuneme FC, Babalola OO, Kutu FR, **Ojuederie OB.** (2020). Characterization of actinomycetes isolates for plant growth-promoting traits and their effects on drought tolerance in maize. *Journal of Plant Interactions* 15: (1): 93-105. <https://doi.org/10.1080/17429145.2020.1752833>. (IF:1.839).
- **Ojuederie OB**, Nkang NA, Odesola KA, Igwe DO. (2020). Genetic diversity assessment of Winged Bean (*Psophorcarpus tetragonolobus*) accessions revealed by Inter-Simple Sequence Repeat (ISSR) Markers. *Journal of Plant Biology and Crop Research*. 3(1): 1014. <http://meddocsonline.org>.
- **Ojuederie OB.** Balogun MO. (2019). African yam bean (*Sphenostylis stenocarpa*) tubers for nutritional security. *Journal of Underutilised Legumes*. 1 (1): 56 – 68.
- **Ojuederie OB**, Olanrewaju SO, Babalola OO. (2019). Plant Growth Promoting Rhizobacterial Mitigation of Drought Stress in Crop Plants: Implications for Sustainable Agriculture. *Agronomy* 9(11), 712; <https://doi.org/10.3390/agronomy9110712>. (IF: 2.259).
- Aremu CO, **Ojuederie OB**, Ayo-Vaughan F, Dahunsi O, Adekiya AO, Olayanju O, Adebiyi OT, Sunday I, Inegbedion H, Asaleye AJ, Abolusoro S, Aboyeji CM, Ajiboye BO, Obaniyi S. (2019). Morphometric analysis and characterization of the nutritional quality in African yam bean accessions. *Plant Physiology Reports* 24: 446-459. <https://doi.org/10.1007/s40502-019-00472-w>.
- Ekun VS, Adenipekun CO, Ogunkanmi LA, **Ojuederie OB**, Igwe DO (2018) Molecular characterization of *Auricularia* spp from South-Western Nigeria using Random Amplified Polymorphic DNA (RAPD). *Nigerian Journal of Biotechnology* 35:34-43. <https://doi.org/10.4314/njb.v35il.5>
- Igwe DO, Afiukwa CA, Ubi BE, Ogbu KI, **Ojuederie OB**, Ude GN. (2017) Assessment of genetic diversity in *Vigna unguiculata* L. (Walp) accessions using inter-simple sequence repeat (ISSR) and start codon targeted (SCoT) polymorphic markers. *BMC Genetics* 18:98. <https://doi.org/10.1186/s12863-017-0567-6> (IF:3.730)

- **Ojuederie OB**, Babalola OO. (2017). Microbial and Plant-Assisted Bioremediation of Heavy Metal Polluted Environments: A Review. *International Journal of Environmental Research and Public Health*. 2017, 14, 1504. <https://doi.org/10.3390/ijerph14121504> (IF: 2.468).
- **Ojuederie OB**, Balogun MO (2017). Genetic Variation in Nutritional Properties of African Yam Bean (*Sphenostylis stenocarpa* Hochst ex. A. Rich. Harms) Accessions. *Nigerian Journal of Agriculture, Food and Environment*. 13(1):180-187
- **Ojuederie OB**, Balogun MO, Abberton MT. (2016). Mechanism for pollination in African yam bean. *African Crop Science Journal* 24(4): 405-416. <http://dx.doi.org/10.4314/acsj.v24i4.7>
- Ogunsola KE, **Ojuederie OB**, Emmanuel B. (2016). *In vitro* morphogenic responses of African Yam Bean (*Sphenostylis stenocarpa* (Hochst ex. A. Rich.) Harms) accessions to plant growth regulators. *Plant Cell, Tissue, and Organ Culture*. 127(3):613–622. <https://doi.org/10.1007/s11240-016-1036-z> (IF:2.232)
- **Ojuederie OB**, Balogun MO, Akande SR, Korie S, Omodele T. (2015). Intraspecific variability in agro-morphological traits of African yam bean (*Sphenostylis stenocarpa* (Hochst ex. A. Rich) Harms *Journal of Crop Science and Biotechnology* 18 (2): 53 – 62 DOI <https://doi.org/10.1007/s12892-014-0109-y> (IF: 0.780)
- **Ojuederie OB**, Balogun MO, Akande SR, Owoeye T. (2014) DNA Ploidy-Level Determination of African Yam Bean (*Sphenostylis Stenocarpa*) Hochst. Ex. A. Rich. Harms Accessions Using Flow Cytometry. *International Journal of Integrative Biology* 15(2): 37-39.
- **Ojuederie OB**, Balogun MO, Fawole I, Igwe DO, Olowolafe MO. (2014) Assessment of the Genetic Diversity of African yam bean (*Sphenostylis stenocarpa* Hochst ex. A. Rich Harms) Accessions using Amplified Fragment Length Polymorphism (AFLP) Markers. *African Journal of Biotechnology* 13(18):1850-1858. <https://doi.org/10.5897/AJB2014.13734> (IF:0.44)
- **Ojuederie OB**, Igwe OD, Okuofu IS, Faloye B. (2013). Assessment of genetic diversity in some *Moringa oleifera* Lam. landraces from Western Nigeria using RAPD Markers. *African Journal of Plant Science and Biotechnology* 7(1): 15-20.
- Oyatomi OA, Fawole I, Adewale BD, **Ojuederie OB**. (2013) Genetic Variability in Seed Dormancy, Germination and Germination Enhancement of Some Cassava (*Manihot esculenta* Crantz) Genotypes *International Journal of Plant Breeding* 7(2): 136-140.
- Owonubi SJ, **Ojuederie OB**, Olayode MN. (2011) Organogenesis of Bambara Groundnut (*Vigna subterranea*) L. Verdc through in vitro Culture from nodal segments. *International Journal of Plant Developmental Biology* 5(1): 53-57.
- **Ojuederie OB**, Ogunmoyela O, Omidiji O, Oyedeji SI. (2011) Agricultural Biotechnology the panacea for food security in sub-Saharan Africa. *Libyan Agriculture Research Center Journal International* 2(3) 123-132.
- **Ojuederie OB**, Odu BO, Ilori CO. (2009). Serological detection of seed-borne viruses in cowpea regenerated germplasm using Protein A. Sandwich Enzyme-linked Immunosorbent assay. *African Crop Science Journal* 17(3): 125-132. <https://doi.org/10.4314/acsj.v17i3.54212>

#### E. Book Chapters

- Popoola, J, **Ojuederie O**, Omonhinmin C, Adegbite A. (2019) Neglected and Underutilised Grain Legumes: Improvement and Future Prospects. In Recent

- Advances in Grain Crops Research. IntechOpen, Uk. [Online First], IntechOpen. <https://doi.org/10.5772/intechopen.87069>
- Ojuederie, O.B, Chukwuneme, F.C., Olanrewaju, O.S., Ayilara, M., Adegboyega, T.T, Babalola, O.O (2021) Contribution of Microbial Inoculants in Sustainable Maintenance of Human Health. In: Adejumo T.O and Voegelé R.T. (Eds) Biopesticides: botanicals and microorganisms for improving agriculture and human health. Cuvillier Verlag, Göttingen, Nonnenstieg 8, 37075 Göttingen, Germany, pp 215-240.
  - Ojuederie O.B., Popoola J.O., Aremu C., Babalola O.O. (2021) Harnessing the Hidden Treasures in African Yam Bean (*Sphenostylis stenocarpa*), an Underutilised Grain Legume with Food Security Potentials. In: Babalola O.O. (eds) Food Security and Safety. Springer, Cham. pp 1-20. [https://doi.org/10.1007/978-3-030-50672-8\\_1](https://doi.org/10.1007/978-3-030-50672-8_1)
  - Aremu, C.O. Ojuederie, O.B, Adeniyi O., Ake M., Obaniyi, K., Avwerosuo, E., Okunlola, F., Shittu A. (2021) Agricultural Productivity: A Key Component of Inclusive Growth Towards Food Security. In: Babalola O.O. (eds) Food Security and Safety. Springer, Cham. pp 195-216. [https://doi.org/10.1007/978-3-030-50672-8\\_1](https://doi.org/10.1007/978-3-030-50672-8_1)
  - Sholeye A.R., Ojuederie O.B., Babalola O.O. (2021) Soil Quality Indicators; Their Correlation and Role in Enhancing Agricultural Productivity. In: Babalola O.O. (eds) Food Security and Safety. Springer, Cham. pp 271-286. [https://doi.org/10.1007/978-3-030-50672-8\\_15](https://doi.org/10.1007/978-3-030-50672-8_15)
  - Abu N.E., Ugwu E.U., Ojuederie O.B. (2021) The Relevance of Plant Breeding to Food Security in Africa. In: Babalola O.O. (eds) Food Security and Safety. Springer, Cham. pp 495-528. [https://doi.org/10.1007/978-3-030-50672-8\\_26](https://doi.org/10.1007/978-3-030-50672-8_26)
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## I. AWARDS/FELLOWSHIPS

- i. Postdoctoral Research Fellowship-North-West University, South Africa (07/2017-06/2020)
- ii. International Foundation for Science (IFS) Award (IFS grant No. C/5250-1) Role: Principal Investigator: Assessment of Genetic diversity in African Yam Bean *Sphenostylis stenocarpa* (Hochst. Ex. A. Rich.) Harms. Germplasm (08/2012-06/2014)

## J. OTHER RELEVANT ACTIVITIES

### Review of manuscripts for journals

- (a) International Journal of Plant and Soil Science (2016 to date)
- (b) South African Journal of Botany (2018 to date)
- (c) Plant Cell Biotechnology and Molecular Biology (2017 to date)
- (d) Asian Journal of Advances in Agricultural Research (2015 to date)

- (e) BMC Plant Biotechnology (2020)
- (f) Notulae Scientia Biologicae (2020)
- (g) Plant Genetic Resources (2020)
- (h) Journal of Underutilized Legumes (2019 to date)
- (i) Scientific Report (2021)

### **Membership of Editorial Board of Journals**

- (a) Member of the Editorial Board of the Journal of Underutilised Legumes (JUL-2018 to date)

### **Membership of Learned Professional Societies**

- (a) Society for Underutilized Legumes (SUL)
- (b) South African Council for Natural Scientific Professions (SACNASP)
- (c) Biotechnology Society of Nigeria BSN)
- (d) Genetics Society of Nigeria (GSN)
- (e) Nigeria Plant Breeders Association (NPBA)

### **K. EXTRACURRICULAR ACTIVITIES**

Listening to classical music, playing games such as Chess, Badmintons, table tennis and Lawn tennis.

Counselling of youths/youth development activities.

### **L. REFERENCES**

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A handwritten signature in cursive script, appearing to read "B. J. Nedere".

Signature

9<sup>th</sup> December, 2021  
Date

