

CURRICULUM VITAE



01. PERSONAL

- (i) Name in Full: BANKOLE Paul Olusegun
(ii) Nationality: Nigerian
(iii) Contact Address: Department of Pure and Applied Botany, COLBIOS
(iv) Phone Number: +2348058110550
(v) E-mail Address: bankolepo@funaab.edu.ng

02. EDUCATIONAL BACKGROUND

(i) Educational Institutions Attended (with dates)

- a. Olabisi Onabanjo University, Ago-Iwoye, Ogun State 2004-2008
b. University of Lagos, Nigeria 2010-2012
c. University of Lagos, Nigeria 2012-2016

(ii) Academic and Professional Qualifications (with dates)

- a. Bachelor of Science (B.Sc.) Degree, Plant Science May 2008
b. Master of Science (M.Sc.), Botany January 2012
c. Doctor of Philosophy (Ph.D.), Botany March 2016

(iii) Prizes, Honours, Scholarship, National and International Recognition

- a. The World Academy of Science (TWAS) Research and Advanced Training (R&AT) Fellowship Award June 2016
b. Association of Commonwealth Universities (ACU)- Early Career Academic Grant June 2018
c. Association of Commonwealth Universities (ACU) – Blue Charter Award on Marine Microplastics Pollution December 2018

03. WORK EXPERIENCE

- a. Department of Pure and Applied Botany, COLBIOS Nov. 1, 2017-Date
Courses taught

Undergraduate Courses

Course code & title	No of units	No of contacts	No of students	No of lecturers
BOT 104 – Introductory Molecular Biology	2	2	88	2
BIO 191 – Practical Biology I	1	2	1568	5
BOT 204 – Developmental Biology	2	2	165	2
BOT 206 – Plant Cell Biology and Molecular Genetics	2	2	68	2
BOT 303 – Plant Ecology	3	2	58	1
BOT 325 - Mycology	3	3	58	2

BOT 331 – Biometry	2	2	58	2
BIO 392 - Industrial Training Assessment	4	2	49	5
BIO 394 - Industrial Training visitation	4	2	49	5
BIO 396 - Industrial Training Reports	4	2	49	5
BIO 398 - Industrial Training Seminars	4	2	49	5
BOT 401 – Current topics	1	2	40	5
BOT 404 – Biotechnology and Bioinformatics	2	2	40	2
BOT 415 – Entrepreneurship opportunities in Botany	2	2	40	5
BOT 417 – Molecular Biology II	3	2	40	2
BOT 499 – Research Project	6	2	7	1

Postgraduate Courses

Course code & title	No of units	No of contacts	No of students	No of lecturers
BOT 801 – Current topics seminar	2	2	5	2
BOT 816 – Fungi in Human Environment	3	2	5	2
BIO 817 – Advanced Mycology	3	2	5	2
BOT 818 – Advanced Plant Pathology	3	2	5	2
BOT 819 – Fungal Biotechnology and Applied Mycology	3	2	5	2
BIO 820 – Advanced Mycology	3	2	5	2
BOT 821 – Physiology of parasitism and Plant pathogenesis	3	2	5	2
BOT 822 – Postharvest Pathology	3	2	5	2

Students Supervision:

Undergraduates (number supervised)

- (i) 2017/2018 Session - 7
- (ii) 2018/2019 Session – 8
- (iii) 2019/2020 Session – 9 (Ongoing)

b. Previous work experience at the Federal Polytechnic Ilaro, Ogun State

(i) Designation:

- a. Assistant Lecturer, Department of Science Lab. Technology Dec. 2009 – Jan. 2013
- b. Lecturer III, Department of Science Lab. Technology Jan. 2013 – Jan. 2016
- c. Lecturer II, Department of Science Lab. Technology Jan. 2016 – Oct. 2017

(ii) Courses Taught at National and Higher National Diploma levels

Course code & title	No. of units	No of contacts	No of students	No of lecturers
STB 111- Plant and Animal Taxonomy	3	2	168	2
STB 112- Morphology and Physiology of Living Things	3	2	168	3
STB 121- Cell Biology	3	2	57	2
STB 125- Economic Botany and Fish Biology	2	2	45	1
STB 212- Pathology	3	2	63	2
STB 221- Genetics	3	2	63	2
STB 222- Ecology	3	2	63	2
STM 321- Mycology	3	2	48	1
STB 421- Applied Genetics (Plant Breeding)	3	2	42	1

(iv) Administrative Duties Performed

- a. Academic Staff Secretary, Department of Science Laboratory 2009-2016
- b. Coordinator, Departmental Orientation Programme for the new intakes (ND 1 and HND 1) 2009-2017
- c. Secretary, Central Accreditation Committee (CAC) of the Department 2009-2017
- d. Ad-Hoc Member, Polytechnic Examinations Committee (Packaging) 2009-2017
- e. Staff (Level) Adviser, Department of Science Laboratory Technology 2009-2017

04. SPECIAL ASSIGNMENTS/COMMUNITY SERVICE

a. Within the University

- | | |
|--|-----------|
| i. Staff Secretary, Departmental Academic Board | 2017-Date |
| ii. Coordinator, Students' Industrial Work Experience Scheme (SIWES) | 2017-Date |
| iii. Member, College Committee on Examination Results (COCER) | 2017-Date |
| iv. COLBIOS Representative to the College of Plant Science (COPLANT) Board | 2019-Date |

05. TRAINING PROGRAMME ATTENDED (with dates)

- | | |
|--|------------------|
| i. Next Generation Sequencing (NGS) training on molecular sequencing methods of microorganisms at Thermo Fisher Scientific, New Delhi | Jan. 8-13, 2017 |
| ii. Induction training on the use of Shimadzu, Japan UPLC-MS, HPLC and GC-MS at Lancaster Environment Centre, Lancaster University, United Kingdom | Jan. 10-21, 2019 |
| iii. Flow Cytometry Basics, Multicolor Flow Cytometry, Data Analysis and Presentation at Lancaster Environment Centre, Lancaster University, United Kingdom | March 4-15, 2019 |
| iv. Effects of engineered nano-particles (NPs) on the operation of wastewater treatment plants by Professor Frederic Coulon, Cranfield University, United Kingdom (Virtual Training) | July 8-9, 2020 |

06. MEMBERSHIP OF PROFESSIONAL BODIES

- | | |
|--|------|
| i. The Science Association of Nigeria (SAN) | 2010 |
| ii. American Society for Microbiology (ASM) | 2010 |
| iii. Botanical Society of Nigeria (BOSON) | 2010 |
| iv. International Consortium of Water Researchers (ICWR) | 2020 |
| v. European Federation of Biotechnology | 2020 |

07. RESEARCH INTEREST OR COMMISSIONED PROJECTS

(i) Completed (Starting with latest)

1. Biodegradation of diuron and malathion by novel fungal consortium, *Duitina rugosa* and *Achaetomium strumarium*.
2. Decolourization and metabolic degradation of toxic azo dyes by newly isolated bacterial strain *Enterobacter* sp. SKB16 under microaerophilic condition

(ii) In progress (list)

1. Isotherms and kinetics studies of the degradation of pyrethrins by novel bacteria-bacteria consortium, *Pseudomonas aeruginosa* and *Citrobacter freundii*
2. Bioremoval of Paraquat by novel fungi-bacterial consortium, *Citrobacter freundii* and *Peyronellaea prosopidis* and the determination of their metabolic fates

08. PUBLICATIONS

(i) Journal Articles In Print

1. **Bankole, P. O.**, Adekunle, A. A. & Govindwar, S. P. (2019). Demethylation and desulfonation of textile industry dye, Thiazole Yellow G by *Aspergillus niger* LAG. *Biotechnology reports*, **20**: e00327 <https://doi.org/10.1016/j.btre.2019.e00327> **Published by Elsevier B.V. (Netherlands)**
2. Thanavel, M., **Bankole, P. O.**, Kadam, S., Govindwar, S. P. & Sadasivam, S. K. (2019). Desulfonation of the textile azo dye Acid Fast Yellow MR by newly isolated *Aeromonas hydrophila* SK16. *Water Resources and Industry*, **22**: 100116 <https://doi.org/10.1016/j.wri.2019.100116> **Published by Elsevier B.V. (Netherlands)**
3. **Bankole, P. O.**, Adekunle, A. A., Jeon, B-H & Govindwar, S. P. (2020). Novel cobiomass degradation of NSAIDs by two wood rot fungi, *Ganoderma applanatum* and *Laetiporus sulphureus*: ligninolytic enzymes induction, isotherm and kinetic studies. *Ecotoxicology and Environmental Safety*, **203**: 110997. <https://doi.org/10.1016/j.ecoenv.2020.110997> **Published by Elsevier B.V. (Netherlands)**
4. Thanavel, M., **Bankole, P. O.**, Selvam, R., Govindwar, S. P. & Sadasivam, S. K. (2020). Synergistic effect of biological and Advanced Oxidation Process treatment in the biodegradation of Remazol Yellow RR dye. *Scientific reports*, **10**: 20234. <https://www.nature.com/articles/s41598-020-77376-5> **Published by Nature, United Kingdom**
5. **Bankole, P. O.**, Semple, K. T., Jeon, B-H & Govindwar, S. P. (2020). Enhanced enzymatic removal of anthracene by the mangrove-soil derived fungus, *Aspergillus sydowii* BPO1. *Frontiers of Environmental Science and Engineering*, **14** (6): 113. <https://link.springer.com/article/10.1007/s11783-020-1292-3>. **Published by Springer, Netherlands**

(ii) Journal Articles Accepted for Publication: NA

(iii) Book: NA

(iv) Book Article or Chapter: NA

(v) Edited Conference Proceeding:

1. **Bankole, P. O.** & Adebisi, E. U. (2017). Eco-friendly detoxification and biodegradation of an azo dye, Eriochrome black T by *Aspergillus niger*. Proceedings of the 5th International Conference of Society for Environmental Toxicology and Pollution Mitigation (SETPOM) held between 24th-25th October 2017.
2. Bankole, O. O. and **Bankole, P. O.** (2018). Biodecolorization of an azo dye, Eriochrome black T by *Penicillium citrinum*. Proceedings of the 52nd Annual Conference of the Science Association of Nigeria held between 15th-19th April 2018.

(vi) Technical Reports: NA

09. MAJOR CONFERENCES ATTENDED WITH PAPERS READ (starting with latest)

1. **Bankole, P. O.**, Adekunle, A. A. & Govindwar, S. P. (2018). Biodegradation of textile industry dye, Thiazole Yellow G by *Aspergillus niger*. Paper presented at 4th Water and Resource Environment (WRE2018) International Conference held between July 17-21, 2018 at I-Shou University, Dashu District, Kaohsiung, Taiwan

10. INFORMATION ON FELLOWSHIP, MASTER'S PROJECTS AND Ph.D. THESIS SUPERVISED:***MASTER'S PROJECT***

S/No	Title of Thesis	Name	Date/Year of Commence ment	Supervisor/Completed /Ongoing
1	Herbicidal potentials of some fungi in the biocontrol of Guinea grass (<i>Panicum maximum</i>) and purple nutsedge (<i>Cyperus rotundus</i>) weeds in Cassava production	AKANDE Kemi Elizabeth PG 16/0686	2017	Co-Supervisor (Internal)/ Ongoing
2	Agro-morphological characterization, diversity and disease assessment of African yam bean (<i>Sphenostylis stenocarpa</i> Hochst. Ex A. Rich)	IHENACHO Jeffrey Uzoma PG 17/0496	2018	Co-Supervisor (Internal)/ Ongoing
3	Susceptibility of yellow yam tuber to rot fungi and control with extracts of <i>Vernonia amygdalina</i> (Bitter leaf) and <i>Jatropha curcas</i> (Physic plant)	ASAFA Gbemisola PG 17/0457	2018	Co-Supervisor (Internal)/ Ongoing
4	Phytoremediation potentials and nutritive quality of two tropical grasses planted in selected heavy metal contaminated soils	ANOTAENWERE Chika Chiamaka PG 18/0317	2019	Co-Supervisor (External)/ Ongoing

11. EXTRA CURRICULAR ACTIVITIES

- (i) Playing Chess (ii) Reading (iii) Research

12. REFEREES

(i) Professor Iyabode A. Kehinde

Department of Pure and Applied Botany,
Federal University of Agriculture, Abeokuta.
Email: kehindeia@funaab.edu.ng
Telephone: +2348037149064

(ii) Professor Gabriel A. Dedeke

Department of Pure and Applied Zoology,
Federal University of Agriculture, Abeokuta.
Email: dedekega@funaab.edu.ng
Telephone: +2348034089518

(iii) Professor Adedotun A. Adekunle

Department of Botany,
University of Lagos, Nigeria
Email: aadekunle@unilag.edu.ng
Telephone: +234805484065