

# CURRICULUM VITAE: OLADELE, JOHNSON O.

## A. GENERAL INFORMATION

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1. **Name:** OLADELE, Johnson Olaleye
2. **Place and Date of Birth:** Ilesa, Nigeria; 06<sup>th</sup> September 198
3. **Marital status:** Married
4. **Names and Ages of Children:**  
OLADELE, Esther Oluwasemilore (6 years)  
OLADELE, Elizabeth Oluwajomiloju (3 year)
5. **Permanent Contact Address:** P.B.A 36 Irebami Quarters, Ilaje Street, Ilesa, Osun State, Nigeria.
6. **Email Address:** [jo.oladele@kingsuniversity.edu.ng](mailto:jo.oladele@kingsuniversity.edu.ng) or  
[oladelejohn2007@gmail.com](mailto:oladelejohn2007@gmail.com)
7. **Cell Phone number:** 08037437073
8. **Faculty:** Science
9. **Department:** Chemical Sciences
10. **Date of First Appointment:** 09<sup>th</sup> November, 2018
11. **Position on First Appointment:** Assistant Lecturer
12. **Present Position & Salary:** KUASS 02 STEP 01
13. **Date of present position:** 09<sup>th</sup> November, 2018
14. **Is your Appointment confirmed:** Not yet confirmed.
15. **Date of Confirmation of Appointment:** Nil

## B. EDUCATIONAL BACKGROUND

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1. **Educational Institutions attended with Dates:**
  - i. University of Ilorin, Nigeria 2018 – Present

- ii. University of Ibadan, Nigeria 2013 – 2015
- iii. Osun State University, Osogbo, Nigeria 2007 – 2011
- iv. Ogedengbe School of Science, Ilesa, Osun State 1999 – 2005
- v. Ade-Olu Nursery & Primary School, Ilesa, Osun State 1992 – 1999

**2. Academic and Professional Qualifications with Dates:**

- i. PhD. Biochemistry *In view*
- ii. M.Sc. Biochemistry (Molecular Drug Metabolism & Toxicology) 2015
- iii. B.Sc. (Hons) Biochemistry 2011
- iv. Certificate in Entrepreneurial Education 2011
- v. Senior School Certificate Examination 2006

**3. Other relevant Qualifications**

- i. Certificate in Understanding Dementia (University of Tasmania, Australia) 2019
- ii. Certificate in Epidemics (Griffith University, Queensland, Australia) 2019
- iii. Certificate in Theology (Bible studies) (International Bible Teaching Ministries, Kentucky, USA) 2018

**4. Honours, Awards and Distinctions**

- i. Nomination: Fellowship of Institute of Management Consultants (FIMC) Nigeria 2019
- ii. Kings University Conference fund support to attend Pharma-Food Congress held at Federal University of Technology Akure, Ondo State 2019
- iii. Best Staff of the Year 2018 (ACIA) 2018
- iv. Award of Excellence (ASF UNIOSUN) 2011
- v. Osun State Government Scholarship (Undergraduate) 2008-2011
- vi. Senior Prefect 2005
- vii. School Prefect 1999

**5. Research Fellowship with Dates**

**C. Work experience outside the university system**

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- **Institution:** Alpha Choice Innovative Academy, Ogun state. 2017 -2018
  - Department:** Science (Chemistry)
  - Positions held:** School Coordinator (Principal)
  - Academic Coordinator (Vice Principal)

Head of Department of Science

- **Employer:** St. Winifred Polytechnics, Fatunsi, Ibadan. 2012 – 2014  
Hill Top High School  
**Department:** Chemistry
- **Employer:** Ogun State Hospital Management Board (NYSC) 2011 – 2012  
Oba Ademola II Memorial Hospital, Abeokuta  
**Department:** Hematology Laboratory  
**Position held:** Laboratory Scientist

#### **D. Work experience in other universities**

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- **Institution:** Osun State University, Osogbo, Nigeria. 2015 -2017  
**Department:** Biochemistry (Phytomedicine & Toxicology Laboratory)  
**Duties:** Research Assistant
- **Institution:** University of Ibadan, Ibadan, Nigeria. 2013 – 2015  
**Department:** Biochemistry  
**Duties:** Practical Demonstrator

#### **E. Work experience in Kings university**

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**Department:** Chemical Sciences (Biochemistry Unit) 2018- Present  
**Position held:** Assistant Lecturer

#### **F. Co-curricular professional experience**

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- Secretary, 2021 Faculty of Science Lecture Seminar Organizing Committee
- Member, Kings University Students' Handbook Review Committee
- Member, 2019 Faculty of Science Lecture Seminar Organizing Committee
- Departmental Examination officer
- Member, Faculty of Science Examination Committee

#### **G. Membership of professional bodies**

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- Nigerian Bioinformatics and Genomics Network (NBGN)
- Functional food and Nutraceuticals Association of Nigeria (FFNAN)
- International Society of Neurochemistry (ISN)
- American Society of Biochemistry and Molecular Biology (ASBMB)
- International Parkinson and Movement Disorder Society (MDS)
- West Africa Society of Toxicology (WASOT)

#### **H. Service**

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##### **a. Within the University:**

1. Member, Kings University Students' Handbook Review Committee (2020 - 2021)

2. Secretary, Faculty of Sciences Annual Conference Committee, Kings University, Ode-Omu (2021 - Till Date)
3. Member, Faculty of Sciences Annual Conference Committee, Kings University, Ode-Omu (2018 - Till Date)
4. Member, Faculty of Science Board Committee, Kings University, Ode-Omu (2018 – Till Date)
5. Member, Departmental Curriculum Review Committee (2019 – Till Date)
6. Member, Faculty of Science Board of Examination (2019 – Till Date)

**b. Outside the University:**

1. Pastor, Manna Bible Church, Osogbo. (2020 – Till Date).
2. Alumni President, Anglican Students Fellowship UNIOSUN branch, Osogbo. (2018 – Till Date).
3. Leader, Church activities and Committees (2013 – Till Date).
4. Household of Faith Musical Network (2009 – Till Date).
5. President, Anglican Students Fellowship UNIOSUN branch, Osogbo. (2009 – 2011).
6. President, National Association of Biochemistry Students, Uniosun Chapter 2009 – 2011

**I. Courses taught during the current academic session**

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- i. BCH 203 General Biochemistry Practical I
- ii. BCH 204 Toxicology I
- iii. BCH 208 Food and Nutritional Biochemistry
- iv. BCH 301 Metabolism of Carbohydrates
- v. BCH 303 Tissue Biochemistry
- vi. BCH 309 Physical Biochemistry
- vii. BCH 310 Endocrinology I
- viii. BCH 314 Laboratory techniques
- ix. BCH 410 Biochemical Reasoning
- x. BCH 411 Bioenergetics

**J. Graduate studies supervision**

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1. Alabi Kehinde (BCH/2017/003). Effects of water leaf (*Talinum Triangulare*) on DSS-induced ulcerative colitis in rats: Involvement of oxidative defense and inflammatory systems. **{Completed 2020}**
2. Anyim Joy C (BCH/2017/002). Gastrointestinal protective effects of aqueous extract of *Telfairia occidentalis* on DSS model of ulcerative colitis in rats. **{Completed 2020}**
3. Babatope Feyisayo (BCH /2015/0056) Mitigating effects of methanolic extract of *Vernonia amygdalina* on nitrobenzene induced oxidative testicular damage, hepatotoxicity and endocrine disruption in rats. **{Completed 2019}**

4. Olaniyan Monisola D. (BCH/2015/059) Protective effects of methanolic leaf extract of *Vernonia amygdalina* in nitrobenzene mediated neurodegenerative disorder in rat. **{Completed 2019}**
5. Akindolie Blessing (BCH/2016/004) Effects of methanolic leaf extract of *Vernonia amygdalina* on nitrobenzene-induced renal dysfunction and pancytopenia in wistar rat. **{Completed 2019}**

## **K. Publications**

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### **i. Articles in learned Journals**

1. **Oladele JO**, Ajayi EIO, Oyeleke OM, Oladele OT, Olowookere BD, Adeniyi BM, Oyewole OI, Oladiji AT. (2020). A systematic review on COVID-19 pandemic with special emphasis on Curative potentials of medicinal plants. *Heliyon*. **[Elsevier; % contribution 50%]**.
2. **Oladele JO.**, Oyeleke OM., Oladele OT. Olaniyan MD. (2020). Neuroprotective mechanism of *Vernonia amygdalina* in a rat model of neurodegenerative diseases. *Toxicology report*. 7: 1223 - 1232. **[Elsevier; % contribution 50%]**.
3. **Oladele J.O.**, Oyeleke O.M., Oladele O.T., Babatope O.D., Awosanya O.O. (2020). Nitrobenzene-induced hormonal disruption, alteration of steroidogenic pathway, and oxidative damage in rat: protective effects of *Vernonia amygdalina*. *Clinical Phytoscience*. 6: 1-13**[Elsevier; 40%]**.
4. **Oladele JO.**, Oyeleke OM., Awosanya OO., Olowookere BD., Oladele OT. (2020). Fluted Pumpkin (*Telfaira occidentalis*) protects against phenyl hydrazine-induced anaemia and toxicities in rats. *Advances in Traditional Medicine*. **[Springers; % contribution 40%]**
5. **Oladele JO**, Bamigboye MO, Olowookere BD, Oyeleke OM, Anyim JC, Oladele KS, Oyewole IO. (2020). Identification of bioactive chemical constituents present in the aqueous extract of *Telfairia occidentalis* and its *in vitro* antioxidant activities. *Journal of Natural & Ayurvedic Medicine*. 4(2): 1-10. **[Med; % contribution 40%]**
6. **Oladele, JO.**, Adewale, OO., Oyeleke, OM., Oyewole IO., Salami, MO., Owoade G. (2020). *Annona muricata* protects against cadmium mediated oxidative damage in brain and liver of rats. *Acta facultatis medicae Naissensis*. 37(3): 252-260. DOI:10.5937/afmani2003252O. **[Elsevier; % contribution 40%]**.
7. **Oladele J.O.**, Oladele O.T., Ademiluyi A.O., Oyeleke O.M., Awosanya O.O., Oyewole O.I. (2020). Chaya (*Jatropha tanjorensis*) leafs protect against sodium benzoate mediated renal dysfunction and hepatic damage in rats. *Clinical Phytoscience*. **[Elsevier; % contribution 30%]**.
8. **Oladele, J.O.**, Oyeleke, O.M., Awosanya, O.O., Oladele, T.O. (2020). Effect of *Curcuma longa* (Turmeric) Against Potassium Bromate-induced Cardiac Oxidative Damage, Hematological and Lipid Profile Alterations in Rats. *Singapore Journal of Scientific Research*, 10: 8-15. **[Scialert; % contribution 40%]**.

9. **Oladele JO**, Adewale OO, Oyewole OI, Oyeleke OM, Ilori OT, and Olayinka OE. (2020). Modulatory Effects of Vitamin C and E on Cypermethrin-Induced Cardiac and Hepatic Damage in Female Wistar Rats. *Advances in Clinical Toxicology*. 5 (1): 1-7. **[Med; % contribution 40%]**
10. Farombi, E.O, Awogbindin, I.O., Farombi, T.H., **Oladele, J.O.**, Izomoh, E.R., Aladelokun, O.B., Ezekiel, I.O., Adebambo, O.I., Abah, V.O. (2019). Neuroprotective role of kolaviron in striatal redo-inflammation associated with rotenone model of Parkinson's disease. *Neurotoxicology*. 73:132–141. **[Elsevier; % contribution 40%]**.
11. **Oladele, J.O.**, Oyewole, OI., Oyeleke, OM., Adewale, OO., Adeloju, EO. (2019). *Annona muricata* Attenuates Cadmium-Induced Oxidative Stress and Renal Toxicity in Wistar Rats. *J. Biosci and Appli. Res*. 5 (4): 543 – 550. **[Egypt; % contribution 40%]**.
12. **Oladele, J.O.**, Oyeleke, OM., Oyewole, OI., Adewale, OO., Gbolagbade A. (2019). Assessment of the protective effects of vitamin C and E on Cypermethrin-induced nephrotoxicity and electrolyte imbalance in wistar rats. *J. Basic and Appli. Res. Biomed*. 6(1):1-6. **[Jordan; % contribution 40%]**.
13. Oyewole, O. I., and **Oladele, J. O.** (2017). Changes in Activities of Tissues Enzymes in Rats Administered *Ficus exasperata* Leaf extract. *Int. J. Biol. Chem. Sci*. 11(1): 378-386. **[Cameroon; % contribution 60%]**.
14. **Oladele, J.O.**, Oyewole, O.I., Bello, O.K., Oladele, O.T. (2017). Hepatoprotective Effect of Aqueous Extract of *Telfairia occidentalis* on Cadmium Chloride-Induced Oxidative Stress and Hepatotoxicity in Rats. *Journal of Drug Design and Medicinal Chemistry*. 3(3): 32-36. **[USA; % contribution 50%]**.
15. Bello, K.O., Nwozo, S.O., **Oladele, J.**, Mustapha, K.K., and Quadri, L.A. (2017). Methanolic Extracts of *Cochorous olitorous* (L.) and *Adansonia digitate* (L.) Leaves against Irradiation-Induced Atherosclerosis in Male Wistar Rats. *Not. Sci. Biol.*, 9(2):182-187. **[Transylvania; % contribution 40%]**.
16. Oyewole, O.I., **Oladele, J.O.**, and Oladele, O.T. (2017). Methanolic leaf extract of *Ficus Exasperata* Leaf attenuates Arsenate-Mediated hepatic and renal oxidative stress in rats. *Res. J. of Health Sci*. 5(2): 115- 123. **[Nigeria; % contribution 60%]**.
17. **Oladele, J.O.**, Oyewole, O.I., Bello, O.K. and Oladele, O.T. (2017). Assessment of Protective Potentials of *Ficus Exasperata* Leaf on Arsenate-Mediated Dyslipidemia and Oxidative Damage in Rat's Brain. *J. basic appl. Res*. 3(3): 77- 82. **[USA; % contribution 50%]**.
18. **Oladele, J.O.**, Oyewole, O.I., Bello, O.K., and Oladele, O.T. (2017). Cadmium chloride induced electrolyte imbalance, pancytopenia, oxidative stress and renal damage: ameliorating effects of aqueous extract of *Telfairia occidentalis*. *Int J Pharmacognosy*. 4(7): 232-37. **[India; % contribution 40%]**.

19. Oyewole O.I., Olabiyi B.F. and **Oladele J.O.** (2017). Antioxidative potential of *Ricinus Communis* leaf extract on Cadmium-induced liver and brain toxicity in Rats. *Uniosun Journal of Sciences*. 2, 2. 84-90. [**Nigeria; % contribution 60%**].
20. **Oladele, J.O.**, Oyewole, O.I., Bello, O.K., Oladele, O.T. (2017). Modulatory properties of *Telfairia occidentalis* leaf extract on pancytopenia, electrolyte imbalance and renal oxidative damage in rats. *J. Biosci. Biotechnol. Discov.* 2: 74-78. [**USA; % contribution 60%**].
21. Oyewole, O. I., and **Oladele, J. O.** (2016). Assessment of Cardiac and Renal Functions in Wistar Albino Rats Administered Carmoisine and Tartrazine. *Advances in Biochemistry*. 4 (3): 21-25. [**New York, USA; % contribution 60%**].
22. Oyewole, O.I., Shoremi, M.O., and **Oladele, J.O.** (2016). Modulatory Effects of *Ricinus Communis* Leaf Extract on Cadmium Chloride-Induced Hyperlipidemia and Pancytopenia in Rats. *American Journal of Biomedical Research*. 4 (2): 38-41. [**New York, USA; % contribution 50%**].

#### ii. Manuscripts in press and under review

1. **Oladele JO.**, Oyeleke OM., Akindolie BO., Olowookere BD., Oladele OT. (2021). *Vernonia amygdalina* abates oxidative hepatic damage and inflammation associated with nitrobenzene in rat. *Jordan Journal of Biological Sciences* (accepted) [**Elsevier; % contribution 40%**].
2. **Oladele JO.**, Olowookere BD., Bamigboye MO., Oyeleke OM., Alabi KE., Oladele OO., Oyewole IO. (2021) Chemical Profiling, Phytochemical Constituents and *In Vitro* Antioxidant Activities of Ethanol Leaf Extract of *Talinum Triangulare*. *Current Research in Chemistry*. (Accepted). [**Scialert; % contribution 40%**].
3. **Oladele JO.**, Oyeleke OM., Olowookere BD., Babatope OD., Olaniyan MD., Akindolie BO., Oladele OT. (2020). Bitter leaf (*Vernonia amygdalina*) modulates nitrobenzene-induced renal damage in rats via suppression of oxido-inflammatory activities. *Serbian Journal of Experimental and Clinical Research*. (Accepted) [**Elsevier; % contribution 40%**].
4. Ajayi EIO., Olaniyan OP., Oladele OT., Adenrele SO., **Oladele JO.**, Molehin OR., Afolabi-Balogun NB., Akinde SB., Oloyede OI. (2020). Comparative study of the phytochemicals, total phenolic and flavonoid contents and free radical scavenging activities of *Crotalaria retusa*, *Clerodendrum volubile* leaf extracts and biogas slurry of cassava peels. *Journal of Herbs, Spices & Medicinal Plants*. (under review) [**Elsevier; % contribution 30%**].
5. **Oladele J.O.**, Oyeleke M.O., Adewole S.T., Olowookere B.D., Oladele O.T. (2020). Ethanol Extract of *Curcuma longa* protects against Carbon Tetrachloride Induced Oxidative Stress, Renal and Hepatic Damage in Rats. *Journal of Traditional & Complementary Medicine* (under review) [**Elsevier; % contribution 30%**].
6. **Oladele J.O.**, Oyeleke M.O., Adewole S.T., Oladele O.T. (2020). Ethanolic extract of *Curcuma longa* ameliorates potassium bromate induced oxidative damage, electrolyte

imbalance and specific enzymes alterations in kidney and liver of rats. *Advances in Traditional medicine* (OPEM). (In press). [Elsevier; % contribution 30%].

7. **Oladele J.O.**, Oyeleke M.O., Adewole S.T., Oladele O.T. (2020). Comparative Nutritional Studies of Shea Butter (*Vitellaria paradoxa*) oil, African Palm (*Elaeis guineensis*) oil and Soybean (*Glycine max* Leguminosae) oil. *Acta facultatis medicae Naissensis*. (under review). [Elsevier; % contribution 40%].

### iii. **Refereed conference proceedings**

1. **Oladele J.O.**, Oyeleke O.M., Babatope F., Oladele O.T., Olowookere B.D. (2019). Nitrobenzene-induced oxidative testicular damage and endocrine disruption in rats: reversal effects of methanolic leaf extract of *Vernonia amygdalina*. **Paper presentation at Pharma-Food Congress. FUTA, Akure.**
2. **Oladele J.O.**, Oyeleke O.M., Adewole S.T., Olowookere B.D., Oladele O.T. (2019). Carbon Tetrachloride Induced Oxidative Stress, Renal and Hepatic Damage in Rats: Protective Potentials of Ethanolic Extract of *Curcuma longa*. **Paper presentation at Pharma-Food Congress. FUTA, Akure.**
3. **Oladele J.O.**, Oyeleke O.M., Babatope F., Olaniyan M. and Akindolie B. (2019). Protective effects of methanolic leaf extract of *Vernonia amygdalina* and Alpha Tocopherol on Nitrobenzene-induced oxidative testicular damage and endocrine disruption in rats. (2019). **Paper presentation at 1<sup>st</sup> LASU Research fair. Lagos.**
4. Oyeleke O.M., Oso B.J., **Oladele J.O.**, Oteri D. (2019). Comparative evaluation of nutritional compositions of *Amaranthus cruentus I.* and *Amaranthus viridis I.* **Paper presentation at Pharma-Food Congress. FUTA, Akure.**

## **L. Current research activities**

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Evaluation of protective effects of naturally occurring products and phytochemicals on animal models of neurogenerative diseases.

## **M. Conferences attended**

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- i. **June, 2020** Workshop on Experiment Centric Pedagogy and Home-based hands on Learning in STEM. Morgan State University.
- ii. **Oct, 2019** International Conference at Bells University, Ogun State.
- iii. **September, 2019** First Lagos State University Research Fair, Lagos.
- iv. **July, 2019** Pharma-Food Congress, FUTA, Akure.
- v. **February, 2014** 3<sup>rd</sup> International Conference of West African Society of Toxicology (WASOT) and Society of Toxicology (SOT) held at University of Lagos,
- vi. **May, 2014** One-day Workshop on Effective Use of Bioinformatics for Research held at University of Ibadan, Nigeria
- vii. **July, 2014** 4<sup>th</sup> Biennial Unibadan Conference of Biomedical Research held at Faculty



viii. **July 2014**

of Basic Medical Sciences, University of Ibadan, Nigeria  
Metagenomics Symposium on “Utilizing microbiome for products in  
Africa” organized by H3Africa Bioinformatics Network (H3ABioNet)  
held at Conference Centre, University of Ibadan, Nigeria

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**N. Extra-curricular activities**

**Sport**

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**O. Any other relevant information**

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**P. Summary of contribution to knowledge**

My research interest focused on neuroprotective role of natural products and phytochemical in xenobiotics models of neurodegenerative diseases.

My research has demonstrated neuroprotective ability of Kolaviron (a biflavonoid present abundantly in bitter kola) in animal model of Parkinsonism. The research revealed that the mechanism of neuroprotective effect of kolaviron is via Antioxidant, neuro-inflammatory, and apoptotic pathways. Furthermore, the study showed the neurobehavioral enhancing capability of the natural product (kolaviron).

My research work has also elucidated the curative potentials of bitter leaf (*Vernonia amygdalina*) in neurodegenerative diseases. We documented that bitter leaf methanol extract enhanced the synthesis and biochemical activities of neurotransmitters, mitigated against the oxidative stress in brain sections (Midbrain, cerebrum and cerebellum), inhibited the aggressive neuron loss via apoptosis and suppressed neuroinflammation.

Ulcerative colitis is one of the leading causes of death in the world and pose a major threat on human health. Studies from my research group has revealed the therapeutic potential of two medicinal plants: *Talinum Triangulare* and *Telfairia occidentalis*. Furthermore, my research team has identified and reported four phytochemicals in *Vernonia amygdalina* as potential putative inhibitors of SARS-COV-2 major protease with non or low toxicity effects and demonstrated higher inhibitory more than remdesivir, a standard antiviral drug.

**Name: OLADELE, Johnson Olaleye**

**Signature & Date: 26/05/2021.**