OLOPADE, JAMES OLUKAYODE

Curriculum Vitae

1. Name (surname first and in capitals): **OLOPADE, James Olukayode**

2. Place of Birth/Nationality: Lagos/Nigeria

3. Date of Birth: 21st May 1971

4. Current Address (including e-mail, telephone no.):
Neuroscience and Environmental Toxicology Unit,
Department of Veterinary Anatomy,
Faculty of Veterinary Medicine,
University of Ibadan, Nigeria.
Email: jkayodeolopade@yahoo.com
Tel: 08023860829

5. **University Education, with dates:**
   (i) Undergraduate:
      - University of Ibadan, 1992 (DVM)
   (ii) Postgraduate:
      - University of Ibadan, 2003 (MSc)
      - University of Ibadan, 2006 (PhD)

6. **Academic Qualifications:**
   - Doctor of Veterinary Medicine (DVM)
   - MSc (Veterinary Anatomy)
   - PhD (Veterinary Anatomy)

7. **Scholarship, Fellowship and Prizes**:
   - Elected, Fellow Academy of Science (FAS) of Nigeria: 2024
   - Elected and awarded Fellow of Neuroscience Society of Nigeria (FNSN): 2022
   - Alexander von Humboldt Research Hub Africa Grant: 2021-2026
   - Cambridge Alborada Grant: 2020
   - Best Lecturer (Pre-Clinical) Faculty of Veterinary Medicine, Veterinary Medical Students, University of Ibadan, Nigeria: 2000, 2002, 2010, 2017
   - Alexander von Humboldt Linkage Program Grant: 2016
   - Tertiary Education Trust Fund Interdisciplinary Grant: 2015
   - 3rd Prize Poster Presentation, Neuroscience Society of Nigeria, Ibadan, Nigeria: 2014
   - 1st Prize Poster Presentation, West African Society of Toxicology, Lagos, Nigeria: 2014
   - University of Ibadan Research Foundation Grant: 2014
   - Grass Fellowship, Marine Biology Laboratory Woods hole, USA: 2013
   - International Brain Research Organisation Return Home Fellowship: 2013
   - 1st Prize Poster Presentation, Neuroscience Society of Nigeria, Ibadan, Nigeria: 2013
   - The World Academy of Science (TWAS) Research Grant: 2013

- Awarded Fellow College of Veterinary Surgeon of Nigeria (FCVSN): 2013
- 1st Prize Oral Presentation, African Association of Veterinary Anatomists, Cairo Egypt: 2012
- University of Ibadan Research Foundation Grant: 2012
- MacArthur Overseas Trainings Grant Fellowship: 2010
- Alexander von Humboldt Fellow to University of Wurzburg, Germany: 2010
- Copyright for the depression on the distal portion of the tibia of the African Giant Rat (*Cricetomys gambianus*, Waterhouse) to be called "Tibial Depression of Olude". Nigerian Copyright Commission CN/L2560: 2010
- Copyright for the Longitudinal Cleft in the nasal bone of goats to be called "Longitudinal cleft of James". Nigerian Copyright Commission CN/L/2561: 2010
- University of Ibadan Postgraduate School award for publications from PhD thesis: 2007 and 2008.
- International Brain Research Organisation Research Fellowship to Pennsylvania State University, USA: 2008
- International Society of Neurochemistry Equipment Supply Grant: 2009
- Society for Neuroscience Fellowship to attend Marine Biology Laboratory Neurobiology Course, Woods hole, USA: 2007
- Copyright for the discovery of a depression in the skull of Goats in Nigeria to be called "Caudofrontal Depression of Olopade". Nigerian Copyright Commission No.CN/L/0056: 2007

8. Honours and Distinctions:

- Elected Head of Department of Veterinary Anatomy, University of Ibadan: 2025-2027
- Elected Editor in Chief, Proceedings of the Nigerian Academy of Science: 2025
- Guest Editor, for Special Issue of Frontiers in Neurology: 2024-date
- Plenary Speaker, LAUTECH Neuroscience Group meeting, Ogbomosho, Nigeria: 2024; 2025
- Director, Veterinary Teaching Hospital, University of Ibadan: 2021-2024
- Plenary Speaker, LAUTECH Neuroscience Group meeting, Ogbomosho, Nigeria: 2024
- Plenary Speaker, 1st Ethiopian Neuroscience Society meeting. Addis Ababa, Ethiopia: 2024
- Faculty Guest Lecturer, Faculty of Veterinary Medicine, University of Maiduguri: 2024
- Plenary Speaker, Physiology Society of Nigeria Conference, University of Ibadan: 2023
- Guest Editor, for Special Issue of Frontiers in Pharmacology: 2022-2023
- Councillor, International Society of Neurochemistry: 2019-2023
- Guest Editor for Special Issue of IBRO Reports (Neuroscience in Africa): 2020-2022
- IBRO Visiting Scholar Award to Penn State College of Medicine: 2019
- Faculty, International Society of Neurochemistry School Initiative, Akure, Nigeria: 2019
- President, Society of Neuroscientists of Africa: 2017-2019
- Dean, Faculty of Veterinary Medicine, University of Ibadan, Nigeria: 2017-2019
- Invited Speaker African Academy of Science Workshop on Cell Biology and Regenerative Medicine, Stellenbosch, South Africa: 2016
- Visiting Professor, University of Jos: 2016-2019
- Visiting Professor, University of Abuja: 2014-date
- Member, International Brain Research Organisation, African Regional Committee: 2014-2019
- Head of Department, Veterinary Anatomy, University of Ibadan: 2014-2017
- Chairman, Senate Admission Committee, University of Ibadan: 2014-2017
- Faculty, International Brain Research Organisation African Neuroscience School, Ibadan, Nigeria: 2011, 2013, 2017, 2020 and Rabat, Morocco: 2019
- Editor in Chief, Nigerian Veterinary Journal: 2011-2015
- Visiting Professor, University of Maiduguri: 2009-2016

9. Membership/Fellowship of Learned Societies:

- American Association of Veterinary Anatomists
- Nigerian Veterinary Medical Association
- Movement Disorder Society
- International Neurotoxicology Association
- Neuroscience Society of Nigeria
- Society of Neuroscientists of Africa
- International Brain Research Organisation
- International Society for Neurochemistry

10. Details of Work Experience:

(i) Present Employment

- Department of Veterinary Anatomy, University of Ibadan (Start date: 1999)

(ii) Previous places of employment (with dates):

- Veterinary Officer, Vet Agric Limited, Maiduguri (National Youth Service Corp): 1992-1993
- Veterinary Officer, Racktai Veterinary Clinic, Lagos: 1993-1995
- Home Call Veterinary Officer, Lagos: 1995-1996
- Discipleship Training Ibadan: 1996-1999

11. Current Research Activities including Research Grants:

- Surveillance and Genomic Interactions of Nervous System Based Arboviruses in Unique African Rodents:
  Grant (Alexander von Humboldt Research Hub Africa Project, Principal Investigator 2021-2026)
- Evaluation of Chronic Environmental Pollution on Brain Health and Aging:
  Grant (Cambridge Alborada Grant, Co-Principal Investigator 2020-2023).
- Molecular Signature of Brain Folding and Brain Regeneration in Two Closely Related Species of African Giant Rodents:
  Grant (Technical University Dresden Lab2Lab Grant, Co-Principal Investigator, Ongoing)
- Surveillance of Prion and Taupaties in Nigerian Domestic Breeds

12. List the Postgraduate Candidates/Researchers (with titles of projects) mentored with dates:

i. Amany Ladagu
   - **MPhil 2018:** Amelioration of Vanadium Neurotoxicity using Novel NMDA Receptor Antagonists.
   - **PhD 2024:** Alleviation of Vanadium Neurotoxicity using NMDA Receptor Antagonist in *Caenorhabditis elegans*, Rat Hippocampal Slices and Mice.

ii. Fatola O.I.
   - ***MSc 2011:*** Protective effect of Vitamin E on vanadium-induced neurotoxicity in Wistar rats.
   - ***PhD 2023:*** Characterisation of Transgenic Mouse Lines Overexpressing the Ovine Prion protein with Regard to Well-Defined Scrapie and Bovine Spongiform Encephalopathy Strains.

iii. Okandeji M.E.
   - ***MSc 2012:*** Craniomorphometric indices of the skull of mongrel pigs (*Sus scrofa*) in South Western Nigeria
   - ***PhD 2023:*** Dental eruption patterns and profile of dental anomalies in the Nigerian Indigenous pig (*Sus scrofa*)

iv. Mustapha O.A:
   - ***MSc 2014:*** Behavioural and Neurocellular Effects of Vanadium on Neonatal Mice
   - ***PhD 2021:*** Developmental biology and neurogenesis in the prenatal African greater cane rat (*Thryonomys swinderianus*, Temminck 1827)

v. Gilbert T.T:
   - ***MSc 2021:*** Descriptive study of the diencephalic structures (pineal gland, habenulae, pituitary gland and mammillary body) of young adult male Greater Cane Rat (*Thryonomys swinderianus*, Temmick 1827)

vi. Lijoka, Ayodeji D.
   - **MSc 2021:** Effects of in-vivo vanadium-induced neurotoxicity and withdrawal on three consecutive generations of mice.

vii. Usende, I.L.
   - ***MSc 2013:*** The interaction between iron deficiency and vanadium exposure on some brain related parameters
   - ***PhD 2019:*** Vanadium ecotoxicology, and the effects of its experimental administration on multiple organ systems of the African Giant rat (*Cricetomys gambianus*, Waterhouse 1840)

viii. Karatu A.L.
   - ***MSc 2019:*** Morphological studies on the brain of striped owl (*Asio clamator*) in North Eastern Nigeria

ix. Anosike F.
   - ***MSc 2019:*** Haematology, micronucleus assay and histology of some large and medium sized blood vessels of straw-coloured fruit bats (*Eidolon helvum*)

x. Gambo B.G.
   - ***MSc 2014:*** Morphometric studies of the mandibular and maxillofacial regions of the Kuri cattle skull
   - ***PhD 2018:*** Morphometric and geometric analyses of the skull of Kuri cattle

xi. Folarin, O.R.
   - ***MSc 2012:*** Effect of alpha tocopherol (Vitamin E) on the visceral organ of neonatal rats exposed to vanadium through lactation.
   - ***PhD 2018:*** Behavioural changes, oxidative stress, brain metal and neuro- inflammatory profiles after chronic vanadium administration and withdrawal in mice

xii. Igado, O.O.
   - **MSc 2009:** Morphological and biochemical alterations induced by vanadium in the rat brain: modulatory effect of dietary *Garcinia kola*
   - ***PhD 2018:*** Ameliorative effect of MIMO2 (a novel compound from *Moringa oleifera* leaves) against vanadium-induced neurotoxicity in mice

xiii. Buduwara R.
   - ***MSc 2018:*** Histomorphological changes in the brain of vanadium exposed mice pups and protective role of minocycline.

xiv. Samuel O.M.
   - ***MSc 2008:*** A comparative study of some mineral deposits in some skull bones of the red sokoto and sahel goats in Northern Nigeria
   - ***PhD 2017:*** Morphologic evaluations on the head and cranium of the tropical Raccoon (*Procyon cancrivorus*)

xv. Adebiyi O.A.
   - ***PhD 2017:*** Neuroprotective effects of *Grewia carpinifolia* in vanadium-induced neurotoxicity

xvi. Olaolorun F.A.
   - ***MSc 2017:*** Effects of low dose vanadium administration on the brain during postnatal development in mice

xvii. Obasa, A.A.
   - ***MSc 2016:*** Histomorphometric Changes in the Cerebrum and Cerebellum of Goats Exposed to Mine Ores in Zamfara State, Nigeria

xviii. Jagun A.

- ***PhD 2015:*** Pathology of heavy metal poisoning in goats in Bagega, Zamfara State, Nigeria

xix. Olude, M.A.

- ***MSc 2009:*** Craniometry of the Skull of the African giant rat (*Cricetomys gambianus*, Waterhouse)
- ***PhD 2014:*** Neurocellular Profile and Adult neurogenesis in the African giant rat. (*Cricetomys gambianus*, Waterhouse).

xx. Yahaya A.

- ***PhD 2011:*** Morphological and osteometrical studies of the head of camel (*Camelus dromedarius*) from the arid and semi-arid zones of Nigeria

xxi. Bwala, A.D.

- ***MSc 2015:*** Antioxidant effect of Vitamin E on vanadium neurotoxicity in pups of albino rats

xxii. Girgiri I.

- ***MSc 2014:*** Osteometrical studies of the skull and mandible of four-toed African hedgehogs in Maiduguri, Borno State

xxiii. Azeez I.A.

- ***MSc 2013:*** Neurotoxicity of vanadium exposure: comparative regional prevalence of neuropathologies

xxiv. Osinubi O.O.

- ***MSc 2013:*** Folic acid reverses the effect of cannabis on the brain cells of new born Wister rats

13. Publications/Patents:

(i) Books and/or articles in books:

1. Olaolorun, FA., Olopade, FE., Usende, IL., Lijoka, AD., Ladagu, AD and **Olopade, JO** (2021). Neurotoxicity of Vanadium in Neurotoxicity of Metals: Old Issues and New Developments. Volume 5, Pages 299-327. Edited by Michael Aschner, Lucio G. Costa
2. Olopade JO (2023). Headlines, Head-start Research and Headships at Ibadan: A Veterinarian's Academic Journey. Ibadan University Press.
3. Usende IL, Olopade FE, Olopade JO (2024). Toxicology of Vanadium with Emphasis on the Central Nervous System. Toxicology of Essential and Xenobiotic Metals, 115-13

Journal Articles:

4. Peter-Ajuzie IK, Chinyere CN, Olorunfemi AB, Kpasham LZ, Opaleye OO, Bakarey AS, Daodu OB, Happi AN, Olowe OA, Happi CT, Oluwayelu DO. Ojurongbe O, **Olopade JO** (2025). Repeated detection of SARS-CoV-2 in pet dogs in Ibadan, Oyo State, Nigeria: a cause for vigilance. ***BMC Veterinary Research,*** 21(1):196.
5. Fatola OI, Aribisala KC, Gilbert TT, Njasi MK, Abeje JI, Aina OO, **Olopade JO** (2025). Histological examination of neuroanatomical and ocular structures in the Gambian Sun squirrel (Heliosciurus gambianus Ogilby, 1835) for understanding arboreal adaptations. ***The Anatomical Record (Hoboken, NJ: 2007).***
6. Onukak CE, Femi-Akinlosotu OM, Obasa AA, Folarin OR, Ajibade TO, Igado OO, Esan OO, Oyagbemi TO, Adeogun AV, Oyagbemi AA, Ola-Davies OE Temidayo Olutayo Omobowale, **Olopade JO**, Oguntibeju OO & Yakubu MA (2025). Epigallocatechin-3-gallate mitigates diazinon neurotoxicity via suppression of pro-inflammatory genes and upregulation of antioxidant pathways. ***BMC Neuroscience,*** 26(1):22.

7. Yessinou RE, Farougou S, **Olopade JO,** Oluwayelu DO, Happi A, Happi C, Groschup M. (2025). Seroprevalence and Risk Factors of Crimean–Congo Hemorrhagic Fever Exposure in Wild and Domestic Animals in Benin. ***Viruses,*** 17(3):387.
8. Folarin OR, Olopade FE, Gilbert TT, Ladagu AD, Pires dos Santos PI, Mustapha OA, Kpasham LZ, **Olopade JO,** Outeiro TF (2025). Chronic Vanadium Exposure Promotes Aggregation of Alpha-Synuclein, Tau and Amyloid Beta in Mouse Brain. ***Journal of Neurochemistry,*** 169(5):e70082.
9. Igado OO, Olopade FE, Gilbert TT, Obasa AA, Omile IC, Peter-Ajuzie IK, Adedokun KI, **Olopade JO** (2025). Concentrations of some heavy and trace metals in serum and brain of five species of wild vertebrates from Nigeria. ***Folia Veterinaria,*** 69(2):56-71.
10. Samuel ES, **Olopade JO,** Gbadegesin MA, Odunola OA (2024). Sodium arsenite-mediated cellular dysfunctions in rats: modulation by leaf extract of Tridax procumbens. ***Comparative Clinical Pathology,*** 1-10.
11. Ladagu A, Olopade F, Chazot P, Elufioye T, Luong T, Fuller M, Halprin E, Mckay J, Ates-Alagoz Z, Gilbert T, Adejare A, **Olopade J** (2024). ZA-II-05, a novel NMDA-receptor antagonist reverses vanadium-induced neurotoxicity in Caenorhabditis elegans (C. elegans). ***BMC neuroscience,*** 25(1):56.
12. Daodu OB, Hartlaub J, **Olopade JO,** Oluwayelu DO, Groschup MH (2024). Serological evidence of tick-borne Crimean-Congo haemorrhagic fever and Dugbe orthonairovirus infections in cattle in Kwara State in northern Nigeria indicate independent endemics. ***PLOS Neglected Tropical Diseases,*** 18(10):e0012539.
13. Usende IL, Rasaq AA, Oyelowo-Abdulraheem FO, Fatola IO, Shokoye I, Attah OR, Tags SZ, **Olopade JO** (2024). Histomorphology and Histomorphometrics of the retina in Juvenile and Adult African Giant Rats (Cricetomys gambianus). ***Sahel Journal of Veterinary Sciences,*** 21(2):9-18.
14. Gilbert TT, Olopade FE, Ladagu AD, Lanipekun DO, Fatola OI, Folarin OR, **Olopade JO** (2024). Microscopic anatomy of the subcommissural organ in the brain of the adult greater cane rat (Rodentia: Thryonomyidae). ***Anatomia, histologia, embryologia,*** 53(1):e12990.
15. **Olopade JO,** Fatola OI, Gilbert TT, Folarin OR, Obasa AA, Abeje JI, Njasi MK, Ighorodje EO, Omile CI, Adedokun KI (2024). Histomorphological investigation of the eye of the tree squirrel: A preliminary study. ***Folia Veterinaria,*** 68(1):1-4.
16. Oyagbemi AA, Hassan FO, Adebiyi OE, Adigun KO, Folarin OR, Ajibade TO, Esan OO, Omobowale TO, Ola-Davies OE, **Olopade JO,** Saba AB (2024). Neuroprotective effect of Launaea taraxacifolia against neuroinflammation, memory loss and neurobehavioral deficit in a rat model of hypertension: biochemical and immunohistochemical approaches. ***Journal of Herbmed Pharmacology,*** 13(3):390-8.
17. Obisesan A, Adebiyi O, **Olopade J,** Olayemi F (2024). Neuroprotective Effect of Grewia carpinifolia Extract against Behavioral Impairments Induced by Vanadium. ***Physiology,*** 39(S1):432.
18. Olubodun-Obadun TG, Ishola IO, Folarin OR, Oladoja FA, Gilbert TT, Aniekwensi IM, Bisiriyu A, Joseph-Iwebi NA, Adebanjo FO, **Olopade JO,** Adeyemi OO (2024). Cajanus cajan (L) Millsp seeds

extract prevents rotenone-induced motor-and non-motor features of Parkinson disease in mice: Insight into mechanisms of neuroprotection. ***Journal of Ethnopharmacology,*** 322:117623.

19. Obasa AA, Olopade FE, Juliano SL, **Olopade JO** (2024). Traumatic brain injury or traumatic brain disease: A scientific commentary. ***Brain Multiphysics,*** 100092.
20. Olopade FE, Femi-Akinlosotu OM, Dauda O, Obiako J, **Olopade JO,** Shokunbi MT (2024). Vanadium administration ameliorates cortical structural and functional changes in juvenile hydrocephalic mice**.** ***Journal of Comparative Neurology.*** 532(2):e25578
21. Akanbi OB, Fagbohun O, Kolawole AR, Olaifa OS, Aliyu V, Ekong PS, Daodu OB, **Olopade JO,** Taiwo VO (2024). Clinical Signs and Laboratory Markers Compete Favorably with Antigen Detection of Canine Parvovirus-2 in Dogs. ***Media Kedokteran Hewan,*** 36:2.
22. Lanipekun DO, Fatola OI, Obasa AA, Njasi MK, Abeje JI, Omile CI, Adedokun KI, Kpasham LZ, Olopade FE, **Olopade JO** (2024). Comparative Gross Morphometry and Histomorphology of Brain and Testes in Thomas's Rope Squirrel (Funisciurus anerythrus) and Gambian Sun Squirrel (Heliosciurus gambianus). ***Journal of Anatomical Sciences.*** 15(1): 12
23. Gilbert TT, Olopade FE, Fatola OI, Folarin RO, Obasa AA, **Olopade JO** (2024). Gross morpho-biometry, histometry and immunohistochemical investigations of pituitary gland in the juvenile and adult male African giant rats (Cricetomys gambianus). ***European Journal of Anatomy*** 28(2):165-77.
24. Grundmann O, Lobine D, **Olopade JO** (2023). Education in ethnopharmacology 2022. ***Frontiers in Pharmacology***,14:1154280.
25. Okandeji ME, Lijoka AD, Atiba FA, Adebiyi OA, **Olopade JO (**2023). Dental disorders in wild and domestic pigs (Sus scrofa): a review. ***Journal of Veterinary Dentistry,*** 40(1):47-56.
26. Femi-Akinlosotu O, Olopade FE, Mustapha O, Adekanmbi A, **Olopade JO** (2023). Morphometric analysis of the spinal cord of the Sus scrofa (large white and landrace crossbreed). ***Anatomia, Histologia, Embryologia,*** 52(2):289-99.
27. Gilbert TT, Olaolorun FA, Ladagu AD, Olopade FE, Igado OO, **Olopade JO (**2023). Neurobehavioural and histological study of the effects of low-dose and high-dose vanadium in brain, liver and kidney of mice. ***Nigerian Journal of Physiological Sciences,*** 38(1):47-56.
28. **Olopade JO** (2023). Special edition of IBRO neuroscience reports titled “Neuroscience in Africa”: An editorial. ***IBRO Neuroscience Reports,***14:284.
29. Olopade FE, Femi-Akinlosotu OM, Dauda OB, Obiako J, **Olopade JO**, Shokunbi M (2023). Vanadium administration ameliorates cortical structural and functional changes in juvenile hydrocephalic mice. ***Journal of Neurochemistry,*** 166:146-146
30. Mustapha O, Grochow T, **Olopade J,** Fietz S (2023). Cortical neurogenesis and maturation of the prenatal brain in the greater cane rat (Thryonomys swinderianus). ***Journal of Neurochemistry,*** 166:107-107
31. Mustapha O, Grochow T, **Olopade J**, Fietz SA (2023). Neocortex neurogenesis and maturation in the African greater cane rat. ***Neural Development,*** 18(1):7.
32. Azeez IA, Omirinde JO, Chomo JJ, **Olopade JO** (2023). Brain gross anatomy and cerebellar histology of the cattle egret (Bubulcus ibis). ***Folia Veterinaria,*** 67(2):89-101.

33. Ladagu AD, Olopade FE, Adejare A, **Olopade JO** (2023). GluN2A and GluN2B N-methyl-D-aspartate receptor (NMDARs) subunits: Their roles and therapeutic antagonists in neurological diseases. ***Pharmaceuticals,*** 16(11):1535.
34. Shawulu JC, Hambolu JO, **Olopade JO,** Ojo SA, Balkema-Buschmann A, Ulrich R (2023). Age, and non-age-related cytoarchitectural changes in the brain of some Nigerian cattle. ***Brazilian Journal of Veterinary Pathology,*** 16(1):35-45.
35. **Olopade JO,** Azeez IA, Omirinde JO, Elisha J, Plang NJ (2023). Morphological and morphometrical studies on the tongue of the juvenile cattle egret (Bulbucus ibis). ***Nigerian journal of physiological sciences: official publication of the Physiological Society of Nigeria,*** 38(2):249-58.
36. **Olopade JO,** Mustapha OA, Fatola OI, Ighorodje E, Folarin OR, Olopade FE, Omile IC, Obasa AA, Oyagbemi AA, Olude MA, Thackray AM (2023). Neuropathological profile of the African Giant Rat brain (Cricetomys gambianus) after natural exposure to heavy metal environmental pollution in the Nigerian Niger Delta. ***Environmental science and pollution research international,*** 30(57):120496-514.
37. **Olopade JO,** Igado OO, Adesina MA, Folarin RO, Obasa AA (2023). Pinealocytes and glia cells in the pineal gland of the African straw-coloured fruit Bat (EIDOLON HELVUM). ***Folia Veterinaria,*** 67(3):39-48.
38. Ladagu AD, Olopade FE, Chazot P, Oyagbemi AA, Ohiomokhare S, Folarin OR, Gilbert TT, Fuller M, Luong T, Adejare A, **Olopade JO** (2023). Attenuation of Vanadium-Induced Neurotoxicity in Rat Hippocampal Slices (In Vitro) and Mice (In Vivo) by ZA-II-05, a Novel NMDA-Receptor Antagonist. ***International Journal of Molecular Sciences,*** 24:16710.
39. Okandeji ME, Lijoka AD, Atiba FA, Adebiyi OA and **Olopade JO** (2023). Dental Disorders in Wild and Domestic Pigs (Sus Scrofa): A Review. ***Journal of Veterinary Dentistry***, 40(1), 47-56.
40. Azeez, I.A., Omirinde, J.O., Chomo, J.J and **Olopade, J.O** (2023). Brain Gross Anatomy and Cerebellar Histology of the Cattle Egret (Bubulcus ibis). ***Folia Veterinaria***, 67 (2): 89 - 101
41. Grundmann O, Lobine D and **Olopade JO** (2023). Editorial: Education in Ethnopharmacology***. Front. Pharmacol***. 14:1154280. Doi: 10.3389/fphar.2023.1154280.
42. Okandeji ME, Lijoka AD, Olude MA, Atiba F, **Olopade JO** (2023). Permanent Tooth Eruption Patterns in Nigerian Local Pigs. ***Journal of Veterinary Dentistry.*** 0(0). doi:10.1177/08987564231152390.
43. Oyagbemi AA, Adebayo AK, Adebiyi OE, Adigun KO, Folarin OR, Esan OO, Ajibade TO, Ogunpolu BS, Falayi OO, Ogunmiluyi IO, Omobowale TO, Ola-Davies OE, **Olopade JO**, Saba AB, Adedapo AA, Nkadimeng SM, McGaw LJ, Yakubu MA, Nwulia E and Oguntibeju OO (2023). Leaf extract of Anacardium occidentale ameliorates biomarkers of neuroinflammation, memory loss, and neurobehavioral deficit in N(ω)-nitro-L-arginine methyl ester (L-NAME) treated rat. ***Biomarkers.*** 28: (3): 263-272. doi: 10.1080/1354750X.2022.2164354.
44. Femi-Akinlosotu OM, Olopade FE, Obiako J, **Olopade JO**, Shokunbi MT (2023). Vanadium improves memory and spatial learning and protects the pyramidal cells of the hippocampus in juvenile hydrocephalic mice. ***Front Neurol.*** 14:1116727. doi: 10.3389/fneur.2023.1116727.

45. Okandeji ME, Femi-Akinlosotu OM, Omotosho OO, **Olopade JO** (2022) Dental pathologies in the Nigerian local pigs (Sus scrofa). ***Arch Anat Physiol.*** 7(1): 001-008. DOI: 10.17352/aap.000019
46. Levi UI, Bintu MM, Daniella OC, Oyenike OAF, Agbonu AO, Adedamola AM, Ndidi E, Mbagwu S, Edem EE, **Olopade JO,** James C and Sanni FS (2022). Neurobehavioral deficits, histoarchitectural alterations, parvalbumin neuronal damage and glial activation in the brain of male Wistar rat exposed Landfill leachate. ***IBRO Neuroscience Report.*** 13. 215-234. https://doi.org/10.1016/j.ibneur.2022.08.008
47. Olude, M.A., Mouihate, A., Mustapha, O.A., Farina, C., Quintana, F.J., **Olopade, J.O** (2022). Astrocytes and Microglia in Stress-Induced Neuroinflammation: The African Perspective. Front Immunol 13:795089. doi: 10.3389/fimmu.2022.795089.
48. Lijoka, A.D., Igado, O.O., Olopade, F.E., **Olopade, J.O**. (2022). Effects of in-vivo vanadium-induced neurotoxicity and withdrawal on three consecutive generations of mice brains: A neurobehavioural and histo-immunohistochemical study. ***Nigerian Journal of Neuroscience,*** Vol. 13, No. 4, 119 – 131.
49. Femi-Akinlosotu O, Olopade FE, Mustapha O, Adekanmbi A and **Olopade JO** (2022). Morphometric analysis of the spinal cord of the Sus scrofa (large white and landrace crossbreed). ***Anatomia Histologia Embryologia.*** 52: 2 123-342.
50. Azeez IA, Awogbindin IO, Olayinka JN, Folarin RO, Adamu AS, Ior LD, Shehu AM, Mukhtar AI, Ajeigbe OF, Emokpae OA, Usende IL, Babatunde BR, Yusha'u Y, Olateju OI, Kamoga R, Benson AIO, Oparaji KC, Owemidu IO, Iliyasu MO, Imam MI, **Olopade JO** (2022). Neural stem cell research in Africa: current realities and future prospects. ***Biol Open.*** 11 (11): https://doi.org/10.1242/bio.059574
51. Parés-Casanova PM, Gambo BG and **Olopade JO** (2022). Modular cephalic differences among European and African taurine cattle. ***J. Vet. Res. Adv.,*** 04 (02):18-23
52. Ishola IO, Eneanya SU, Folarin OR, Awogbindin IO, Abosi AJ, **Olopade JO**, Okubadejo NU (2022). Tramadol and Codeine Stacking/Boosting Dose Exposure Induced Neurotoxic Behaviors, Oxidative Stress, Mitochondrial Dysfunction, and Neurotoxic Genes in Adolescent Mice. ***Neurotox Res.*** doi: 10.1007/s12640-022-00539-x.
53. Adedara AO, Babalola AD, Stephano F, Awogbindin IO, **Olopade JO,** Rocha JBT, Whitworth AJ and Abolaji AO (2022). An assessment of the rescue action of resveratrol in parkin loss of function-induced oxidative stress in Drosophila melanogaster. ***Scientific Report***. Mar 10;12(1):3922. doi: 10.1038/s41598-022-07909-7.
54. Fatola OI, Keller M, Balkema-Buschmann A, **Olopade J,** Groschup MH and Fast C. (2022). Strain Typing of Classical Scrapie and Bovine Spongiform Encephalopathy (BSE) by Using Ovine PrP (ARQ/ARQ) Overexpressing Transgenic Mice. ***Int J Mol Sci.*** Jun 16;23(12):6744. doi: 10.3390/ijms23126744.
55. Usende, I.L., Oyelowo, F.O., Adikpe, A.O., Emikpe, B.O., Nafady A.A.M. and **Olopade J.O** (2022). Reproductive Hormones Imbalance, Germ Cell Apoptosis, Abnormal Sperm Morphophenotypes and Ultrastructural Changes in Testis of African Giant Rats (Cricetomys gambianus) Exposed to Sodium Metavanadate Intoxication. ***Environ Sci Pollut Res.*** https://doi.org/10.1007/s11356-021-18246-z

56. Samuel MO, Femi-Akinlosotu OM, and **Olopade JO** (2022). Occurrence and Progression of Dental Abnormalities in the Black Fronted Duiker (*Cephalophus niger*) Due to Deficient Diet and Extreme Weather Phenomena. ***J Vet Dent.*** 39(2):142-150. doi: 10.1177/08987564221083851.
57. Hartlaub, J., Daodu, O.B., Sadeghi, B., Keller, M., **Olopade, J,** Oluwayelu, D and Groschup, M (2021). Cross-Reaction or Co-Infection? Serological Discrimination of Antibodies Directed against Dugbe and Crimean-Congo Hemorrhagic Fever Orthonairovirus in Nigerian Cattle. ***Viruses***, 13, 1398.
58. Folarin, OR., FE Olopade, FE and **Olopade, JO** (2021). Essential Metals in the Brain and the Application of Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry for their Detection. ***Nigerian Journal of Physiological Sciences*** 36 (2), 123-147
59. Daodu OB, Eisenbarth A, Schulz A, Hartlaub J, **Olopade JO,** Oluwayelu DO, Groschup MH (2021). Molecular detection of dugbe orthonairovirus in cattle and their infesting ticks (Amblyomma and Rhipicephalus (Boophilus)) in Nigeria. ***PLoS Negl Trop Dis.*** 17;15(11):e0009905. doi: 10.1371/journal.pntd.0009905. eCollection 2021 Nov. PMID: 34788303
60. Ajala, TO, Abraham, A, Keck, CM, Odeku, OA, Elufioye, TO and **Olopade, JO** (2021). Shea butter (Vitellaria paradoxa) and Pentaclethra macrophylla oil as lipids in the formulation of Nanostructured lipid carriers. ***Scientific African*** 13, e00965
61. Fokoua AR, Ajayi AM, Ben-Azu B, Chouna R, Folarin O, **Olopade J,** Nkeng-Efouet PA, Aderibigbe AO, Umukoro S, Nguelefack TB (2021). The antioxidant and neuroprotective effects of the Psychotria camptopus Verd. Hook. (Rubiaceae) stem bark methanol extract contributes to its antiepileptogenic activity against pentylenetetrazol kindling in male Wistar rats. ***Metab Brain Dis.*** 36(7):2015-2027. doi: 10.1007/s11011-021-00825-1. PMID: 34460047
62. Samuel, MO, Femi-Akinlosotu, O and **Olopade, JO** (2021). Mesowear pattern of the fourth upper premolar in Tropical Raccoons (Procyon cancrivorus) from three Nigerian ecologic zones: Intra-specific dietary resource partitioning. ***Niger J Physiol Sci*** 30;36(1):25-31
63. Olude, MA, Olopade, FE, Mustapha, OA, Bello, ST, Ihunwo, AO, J Plendl, J and **Olopade JO** (2021). Ultrastructural Morphology of the Ependyma and Choroid Plexus in the African Giant Rat (Cricetomys Gambianus) ***Folia Veterinaria*** 65 (1), 45-53
64. Okandeji, ME., Lijoka, AD, Atiba, FA, **Olopade, JO** (2021). The Eruption Patterns of the Teeth of Nigerian Local Pigs (Sus scrofa): Profile of Deciduous Teeth. ***Journal of Veterinary Anatomy*** 14 (2), 1-15
65. Franklin ZG, Ladagu AD, Germain Jean Magloire KW, Folarin OR, Sefirin D, Tashara TG, Dieudonne N, **Olopade JO** (2021). Ameliorative effects of the aqueous extract of Khaya anthotheca (Welw.) C.DC (Meliaceae) in vanadium induced anxiety, memory loss and pathologies in the brain and ovary of mice. ***J Ethnopharmacol***. 15;275:114099.
66. Awosanya, E, Funmilayo, O, Damilola, S and **Olopade, JO** (2021). Performance in and Preference for Anatomy Amongst Para-Clinical and Clinical Students of Veterinary Medicine, At the University of Ibadan. ***Journal of Veterinary Anatomy*** 14 (2), 17-2912.
67. Azeez IA, Igado OO, **Olopade JO** (2021). An overview of the orexinergic system in different animal species. ***Metab Brain Dis.*** doi: 10.1007/s11011-021-00761-

68. Igado, O. O., Andrioli, A., Azeez, I. A., Girolamo, F., Errede, M., Aina, O. O., Glaser, J., Holzgrabe, U., Bentivoglio, M., and **Olopade, J. O**. (2020). The ameliorative effects of a phenolic derivative of Moringa Oleifera Leave Against Vanadium-induced Neurotoxicity in Mice. ***IBRO Reports***, Vol. 9, 164 – 182
69. Adebiyi O, Adigun K, Folarin O, **Olopade J**, Olayemi F. (2020). Administration of ethanolic extract of *Erythrophleum ivorense* (A Chev.) stem bark to male Wister rats alters brain areas involved in motor coordination, behaviour, and memory. ***J Ethnopharmacol.*** 253:112650.
70. Ladagu A.D, Olopade F.E, Folarin O.R, Elufioye T.O, Wallach J.V, Dybek M.B, **Olopade J.O**, Adejare A.N. (2020) Novel NMDA-receptor antagonists ameliorate vanadium neurotoxicity. ***Naunyn Schmiedebergs Arch Pharmacol.*** doi: 10.1007/s00210-020-01882-6.
71. Gambo, B.G, **Olopade, J.O**, Sonfada, M.L and Yahaya, A (2020) Conjoined Twins in One-humped Camel (*Camelus dromedarius*). ***Sahel Journal of Veterinary Sciences*** 17 (1), 26-30
72. Oyagbemi A.A, Adebiyi O.E, Adigun K.O, Ogunpolu B.S, Falayi O.O, Hassan F.O, Folarin O.R, Adebayo A.K, Adejumobi O.A, Asenuga E.R, Ola-Davies O.E, Omobowale T.O, **Olopade J.O.** (2020). Clofibrate, a PPAR-α agonist, abrogates sodium fluoride-induced neuroinflammation, oxidative stress, and motor incoordination via modulation of GFAP/Iba-1/anti-calbindin signaling pathways. ***Environ Toxicol.*** 35(2):242-253.
73. **Olopade J.O** (2019). Foreward for the 14th Society of Neuroscientists in Africa Conference. ***IBRO Rep.*** 7:S1. doi: 10.1016/j.ibror.2019.09.001.
74. Jubril A.J, Obasa A.A, Mohammed S.A, **Olopade J.O**, Taiwo V.O (2019). Neuropathological lesions in the brains of goats in North-Western Nigeria: possible impact of artisanal mining. ***Environ Sci Pollut Res Int.*** 26(36):36589-36597.
75. Adebiyi O.E, Olayemi F.O, **Olopade J.O**, Tan N.H (2019). Beta-sitosterol enhances motor coordination, attenuates memory loss and demyelination in a vanadium-induced model of experimental neurotoxicity. ***Pathophysiology.*** 26(1):21-29.
76. Mustapha O.A, Olude M.A, Taiwo B, **Olopade J.O** (2019). Cytoarchitecture of the Hippocampal Formation in the African Giant Rat (Cricetomys gambianus, Waterhouse).***Niger J Physiol Sci.*** 34(1):55-62.
77. Mustapha OA, Olude MA, Ezekiel S, Seeger J, Fietz SA, **Olopade JO** (2019). Developmental horizons in the pre-natal development of the Greater cane rat *(Thryonomys swinderianus*).***Anat Histol Embryol.***doi: 10.1111/ahe.12470.
78. Mustapha O.A, Olude M.A, Bello S.T, Taiwo A, Jagun A, **Olopade J.O** (2019). Peripheral axonopathy in sciatic nerve of adult Wistar rats following exposure to vanadium. ***J Peripher Nerv Syst***. 24(1):94-99.
79. Fatola O.I, Olaolorun F.A, Olopade F.E, **Olopade J.O**. (2019). Trends in vanadium neurotoxicity. ***Brain Res Bull*** 145:75-80.
80. Usende I.L, **OlopadeJ.O,** Emikpe B.O, Oyagbemi A.A, Adedapo A.A (2018). Oxidative stress changes observed in selected organs of African giant rats (Cricetomysgambianus) exposed to sodium metavanadate. ***Int J Vet Sci Med***. 6(1):80-89.

81. Parés-Casanova P.M, Lleixà M., Gambo B.G., Samuel M.O. and **Olopade J.O.** (2018). Mastication in goats shows a chewing side preference. ***Animal Husbandry, Dairy and Veterinary Science***. Vol 2(1): 1-3 doi: 10.15761/AHDVS.100012
82. Usende I.L, Alimba C.G, Emikpe B.O, Bakare A.A, **Olopade J.O**. (2018). Intraperitoneal sodium metavanadate exposure induced severe clinicopathological alterations, hepato-renal toxicity and cytogenotoxicity in African giant rats (Cricetomysgambianus, Waterhouse, 1840. ***Environ Sci Pollut Res***25(26):26383-26393.
83. Adebiyi O.E, **Olopade J.O**, Olayemi F.O. (2018). Sodium metavanadate induced cognitive decline, behavioral impairments, oxidative stress and down regulation of myelin basic protein in mice hippocampus: Ameliorative roles of β-spinasterol, and stigmasterol. **Brain Behav.** 8(7):e01014.
84. Olude M.A., Bello S.T., Mustapha O.A, Olopade F.E, Plendl J, Ihunwo A.O, **Olopade J.O.** (2018) Oligodendrocyte morphology in the developing brain of the African giant rat (*Cricetomys gambianus*, Waterhouse): Histology, immunohistochemistry and electron microscopy. ***Anat Histol Embryol***. doi: 10.1111/ahe.12348.
85. Dzakpasu R., Johnson B.R., **Olopade J.O.** (2017). The University of Ibadan/Grass Foundation Workshop in Neuroscience Teaching. ***J Undergrad Neurosci Educ.*** 16(1):E13-E17
86. Falade, T. E, Olude M. A, Mustapha O. A, Mbajiorgu E. F, Ihunwo A.O, **Olopade J.O.**, Oke B.O. (2017). Connective tissue, glial and neuronal expressions in testis of the African giant rat (*Cricetomysgambianus*). ***J. Morphol*** *(34)* 3:186-193
87. Oyagbemi A.A., Omobowale T.O., **Olopade J.O.**, Farombi E.O (2017). Kolaviron and Garcinia kola attenuate doxorubicin-induced cardiotoxicity in Wistar rats. ***Journal of Complementary and Integrative Medicine.*** doi: 10.1515/jcim-2016-0168
88. Usende I.L., Emikpe B.O., **Olopade J.O.** (2017) Heavy metal pollutants in selected organs of African giant rats from three agro-ecological zones of Nigeria: evidence for their role as an environmental specimen bank. ***Environmental Science and Pollution Research*** (24) 28: 22570-22578.
89. Igado O.O., Glaser J.,Ramos-Tirado M., Bankoğlu E.E., Atiba F.A., Holzgrabe U., Stopper H., **Olopade J.O.** (2017). Isolation of a novel compound (MIMO2) from the methanolic extract of Moringaoleifera leaves: protective effects against vanadium-induced cytotoxicity. ***Drug and Chemical Toxicology*** pp 1-10.
90. Jubril A.J., Kabiru M., **Olopade J.O.**, VO Taiwo (2017). Biological Monitoring Of Heavy Metals In Goats Exposed To Environmental Contamination In Bagega, Zamfara State, Nigeria. ***Advances in Environmental Biology*** (11) 6: 11-18
91. Olude M.A., Mustapha O.A.**, Olopade J.O.** (2017). Morphological Characterization of the African Giant Rat (*Cricetomysgambianus*, Waterhouse) Brain Across Age Groups: Gross Features of Cortices. ***Nigerian Journal Physiological Sciences***. 6(2), 133-138.
92. Igado O.O, Olukole S.G, **Olopade J.O**, Oke B.O (2017). Cranial morphometry of the African Sideneck Turtle (*Pelusioscastaneus*). ***Journal of Zoological and Bioscience Research*** (2)3.

93. Girgiri I.A, Yahaya A, Gambo B.G, **Olopade J.O.** (2017). An osteometrical study of the skull and mandible of African four-toed Hedgehog (*Atelerixalbiventris*). ***Journal of Zoological and Bioscience Research*** (2)2.
94. Usende I, Oyelowo F, Erondub V, Kazeem E.O, Adikpeb A., Ghaji A, **Olopade J.O.** (2017). Preliminary investigations on the harderian gland of the African giant rat (*Cricetomysgambianus*, Waterhouse, 1840). ***Journal of Veterinary Anatomy*** (10) 1: 37-47.
95. Folarin O.R., Snyder, A., Peters D.G., Olopade F.E., Connor J.R and **Olopade J.O.** (2017). Brain Metal Distribution and Neuro-inflammatory Profiles after Chronic Vanadium Administration and Withdrawal in Mice. ***Frontiers in Neuroanatomy*** 11:58 DOI: 10.3389/fnana.2017.00058
96. Folarin O.R., Adaramoye O.A., Akanni O.O and **Olopade J.O.** (2017). Changes in the Brain Antioxidant Profile after Chronic Vanadium Administration in Mice. ***Metabolic Brain Disease*** pp 1-9.
97. Mustapha O.A., Taiwo S., Olude A.A., Aderounmu O.A., Okandeji M.E., Akinloye A., **Olopade J.O.** and Oke B.O (2017) Anatomical Studies on the Spinal Cord of the Greater Cane Rat (*Thryonomysswinderianus*, Temminck) II: Histomorphology And Spinal Tracings. ***Nigerian Veterinary Journal***. (38) 2: 129-139
98. Azeez I.A., Olopade F. E, Laperchia C, Andrioli A, Scambi I, Onwuka S.K. Bentivoglio M and **Olopade J.O.** (2016). Regional Myelin and Axon Damage and Neuroinflammationin the Adult Mouse Brain After Long-Term Postnatal Vanadium Exposure. ***J of Neuropathology and Experimental Neurology*** 75(9), 843-54
99. Gambo BG., Yahaya A and **Olopade JO** (2016) Morphological Studies of the Facial Tuberoses and Infraorbital, Supraorbital and Mental Foramina in Kuri Cattle ***Global Veterinaria*** 17 (2): 99-104
100. Samuel O.M, **Olopade J.O. (**2016). A Review on the Occipital Area Morphology in *Nyctereutes Procyonoides* cancrivora. Evidence for Developmental Instability? ***Animal Molecular Breeding*** 6 (2),1-6
101. Parés Casanova P.M, Samuel O.M, **Olopade J.O.** (2016). Mandible in the African rodent *Cricetomys gambianus* (Waterhouse, 1840) is low sexually dimorphic. ***Journal of Scientific Research in Allied Sciences*** 2016, vol. 2, núm. 2, p. 46-56.
102. Igado O.O, **Olopade J.O.** (2016). A review on the possible neuroprotective effects of *Moringa oleifera* leaf extract. ***Nigerian Journal of Physiological Sciences*** (31) 2: 183-187.
103. Usende I.L, Leitner D.F, Neely E, Connor J.R, **Olopade J.O.** (2016). The Deterioration Seen in Myelin Related Morphophysiology in Vanadium Exposed Rats is Partially Protected By Concurrent Iron Deficiency. ***Nigerian Journal of Physiological Sciences*** (31) 1: 11-22.
104. Adebiyi O.E, Olopade F.E, **Olopade J.O**, Olayemi F.O (2016) Behavioural studies on the ethanol leaf extract of Grewiacarpinifolia in Wistar rats. ***African Health Sciences*** 16 (1), 339-346
105. Folarin O.R, Olopade F.E, Onwuka S.K, **Olopade J.O.** (2016). Memory deficit recovery after chronic vanadium exposure in Mice ***Oxidative Medicine and Cellular Longevity*** doi:10.1155/2016/4860582.

106. Samuel, M.O, PM Parés-casanova, **JO Olopade J.O.** (2016). Unique morphologic features and asymmetry of morphometric characteristics in mandibles of the tropical racoon (*Procyonoides cancrivora*). ***Anatomia, Histologia, Embryologia*** 45, 70

107. Adebiyi, O.E Olopade F.E, **Olopade J.O.**, FO Olayemi (2016). Neuroprotective Effect of *Grewia carpinifolia* Extract against Vanadium Induced Behavioural Impairment. ***Folia Veterinaria*** 60 (4), 5-13.

108. Farombi E.O, Adedara I.A, Awoyemi O.V, Njoku C.R, Micah G.O, Esogwa C.U, Owumi S.E, **Olopade J.O.** (2016). Dietary protocatechuic acid ameliorates dextran sulphate sodium-induced ulcerative colitis and hepatotoxicity in rats ***Food & Function*** 7 (2), 913-921

109. Adebiyi O.E, Obisesan A.D, Olayemi F.O, **Olopade J.O.** (2015). Protective effect of ethanolic extract of *Grewia carpinifolia* leaves on vanadium induced toxicity ***Alexandria Journal of Veterinary Sciences*** 47 (1), 24-31

110. Samuel O.M, Parés Casanova P.M, Nwaogu I.C, **Olopade J.O.** (2015). Geometric morphometrics of the skull of two African rodents, *Thryonomys swinderianus* and *Cricetomys gambianus*. ***Annals of Experimental Biology,*** 3 (3), 21-30

111. Girgiri I, **Olopade J.O** , Yahaya A (2015). Morphometrics of foramen magnum in African four-toed hedgehog (*Atelerix albiventris*) ***Folia Morphologica*** 74 (2), 188-191

112. Gambo B.G, Yahaya A, Girgiri I, **Olopade J.O.** (2015). Morphometric studies of the mandibular and maxillofacial regions of the Kuri cattle and the implications in regional anaesthesia ***Folia Morphologica*** 74 (2), 183-187

113. Mustapha O.A, Aderounmu O.A, Olude M.A, Okandeji M.E, Akinloye A.K, Oke B.O, **Olopade J.O**. Anatomical Studies on the Spinal Cord of the Greater Cane Rat (*Thryonomys swinderianus*, Temminck) I: Gross Morphometry. ***Nigerian Veterinary Journal*** (36) 2: 1192-1202.

114. Olude M.A, Idowu A.O, Mustapha O.A, **Olopade J.O,** Akinloye A.K (2015). Spinal Cord Studies in the African Giant Rat (*Cricetomys gambianus*, Waterhouse). ***Nigerian Journal of Physiological Sciences*** (30) 1-2: 25-32.

115. Parés Casanova P.M, Samuel O.M, **Olopade J.O.** (2015). Non-functional sexually dimorphic mandibular differences in the African rodent *Thryonomys swinderianus* (Temminck, 1827). ***Annals of Biological Research,*** 2015, vol. 6, 10, p. 26-31.

116. Samuel O.M, **Olopade J.O** , Onwuka S.K (2015). Anatomical Classifications of Accessory Symphyseal Foramina in Infants, Juveniles And Adults Raccoon (*Procyonoidesnyctereutes*) Mandibles ***Nigerian Veterinary Journal*** 36 (3), 1226-1235

117. Samuel O.M, **Olopade J.O** , Onwuka S.K (2015). Comparative Effects of Biogeography, Ecology and Radiation on Morphology of Some Cranial Variables in Raccoon Dogs Species (*Nyctereutes procyonoides*). ***Journal of Veterinary Anatomy*** 8 (2), 29-45

118. Olude M.A, Mustapha O.A, Aderounmu O.A, **Olopade J.O** , Ihunwo A.O (2015). Astrocyte morphology, heterogeneity, and density in the developing African giant rat (*Cricetomysgambianus*). ***Frontiers in Neuroanatomy*** 9:67

119. Olude M.A, **Olopade J.O**, Ihunwo A.O (2014). Adult neurogenesis in the African giant rat (*Cricetomysgambianus*, waterhouse). ***Metabolic Brain Disease*** 29 (3), 857-8664

120. Olude M.A, Ogunbunmi T.K, **Olopade J.O**, Ihunwo A.O (2014). The olfactory bulb structure of African giant rat (*Cricetomysgambianus*, Waterhouse 1840) I: Cytoarchitecture. ***Anatomical Science International*** 89 (4), 224-23

121. Mustapha O, Oke B, Offen N, Sirén A.L, **Olopade J.O.** (2014). Neurobehavioral and cytotoxic effects of vanadium during oligodendrocyte maturation: A protective role for erythropoietin. ***Environ Toxicol Pharmacol*** 38(1):98-111

122. Obembe O.O, **Olopade J.O**, Raji Y. (2014). Implication of Hongres1 Protein in Quassin-Induced Male Reproductive Abnormality in Rats. ***Endocrinology & Metabolic Syndrome*** (3) 128: 2161-1017.1000128.

123. Omobowale T.O, Oyagbemi A.A, Akinrinde A.S, Saba A.B, Daramola O.T, Ogunpolu B.S, **Olopade J.O.** (2014).Failure of recovery from lead induced hepatoxicity and disruption of erythrocyte antioxidant defence system in Wistar rats. ***Environ Toxicol Pharmacol.*** 37(3):1202-11.

124. Olude M.A, **Olopade J.O**, Mustapha O.A. (2014). Macro-anatomical investigations of the skeletons of the African giant rat (*Cricetomys gambianus* Waterhouse): Pelvic limb. ***European Journal of Anatomy*** (13) 3: 127-131.

125. Bwala D.A, Ladagu A.D, Olopade F.E, Siren A.L, Yahaya A, **Olopade J.O.** (2014). Neurotoxic profiles of vanadium when administered at the onset of myelination in rats: the protective role of vitamin E. ***Tropical Veterinarian***. (32) 1-2: 47-56.

126. Yahaya A, **Olopade J.O**, Kwari H.D (2014). Anatomical Study of the Variations of the Facial bones in Skull of the Camel (*Camelusdromendarius*) in Nigeria. ***Nigerian Veterinary Journal*** 35 (3), 1053-1059

127. Olaolorun F.A, Obasa A.A, Balogun H.A, Aina O.O, **OlopadeJ.O**(2014). Lactational Vitamin E Protects Against the Histotoxic Effects of Systemically Administered Vanadium in Neonatal Rats. ***Nigerian Journal of Physiological Sciences*** 29 (2), 125-129

128. Olude M.A, Mustapha O.A, Ogunbunmi T.K, **Olopade J.O** (2013). The vertebral column, ribs, and sternum of the African giant rat (*Cricetomysgambianus* waterhouse). ***The Scientific World Journal*** 2013

129. Omobowale**,** T.O., **Olopade J.O**, Usende I.L, Azeez I.A (2013). A case of polydactyly in the hind-limbs of a West African Dwarf goat in South-West Nigeria. ***Italian Journal of Anatomy and Embryology*** 118 (3), 298

130. Yahaya A, **Olopade J.O**, Kwari H.D (2013). Morphological Analysis and Osteometry of the Foramen Magnum of the One-Humped Camel (*Camelusdromedarius*). ***Anatomia, Histologia, Embryologia*** 42 (2), 155-159

131. Samuel O.M, **Olopade J.O**, Korzerzer M.R, Onwuka S.K (2013). Craniometric evaluation of some cranial indices of clinical significance in goats (*Capra hircus*) from the Middle-Belt Region of Nigeria–case for population surveillance and ecomigration. ***European Journal of Zoological Research*** 2 (4), 89-97

132. Olude M.A, Ogunbunmi T.K, **Olopade J.O** (2013). A review of the published anatomical research on the African Giant Rat (*Cricetomysgambianus* Waterhouse). ***Bulletin of Animal Health and Production*** 61, 617-628

133. Igado O.O, **Olopade J.O**, Adesida A, Aina O.O, Farombi E.O (2012). Morphological and biochemical investigation into the possible neuroprotective effects of kolaviron (*Garcinia kola* bioflavonoid) on the brains of rats exposed to vanadium. ***Drug and Chemical Toxicology*** 35 (4), 371-380

134. Yahaya A**, Olopade J.O**, Kwari H.D, Wiam I.M (2012). Investigation of the osteometry of the skull of the one-humped camels. Part II: sex dimorphism and geographical variations in adults. ***Italian Journal of Anatomy and Embryology*** 117 (1), 34-44

135. Yahaya A**, Olopade J.O**, Kwari H.D, Wiam I.M (2012). Osteometry of the skull of one-humped camels. Part I: immature animals. ***Italian Journal of Anatomy and Embryology*** 117 (1), 23

136. **Olopade J.O**, Fatola I.O, Olopade J.O. F.E (2011). Vertical administration of vanadium through lactation induces behavioural and neuromorphological changes: protective role of vitamin E. ***Nigerian Journal of Physiological Sciences*** 26 (1) : 55-60

137. Todorich B, **Olopade J.O**, Surguladze, Zhang N.X, Neely E., Connor J.R. (2011). The mechanism of vanadium-mediated developmental hypomyelination is related to destruction of oligodendrocyte progenitors through a relationship with ferritin and iron. ***Neurotoxicity Research*** 19 (3), 361-373

138. **Olopade J.O**, Owolabi O.R, Aina O.O, Onwuka S.K (2011). The effect of alpha tocopherol on body organs of neonatal rats exposed to vanadium. ***Journal of Applied Sciences and Environmental Management*** 15 (1) 5-8

139. Olude M.A, **Olopade J.O,** Igado O.O, Mustapha O.A, Akinloye A.K (2011). Some Aspects of the Orbital and Ocular Morphometry of the African Giant Rat (*Cricetomys gambianus,* Waterhouse). ***Journal of Veterinary Anatomy*** Vol 4 (1), 11-18

140. Shawulu J.C, Kwari H.D, **Olopade J.O** (2011). Morphology of the bones of the skull in the Sahel ecotypes of goats (*Capra hircus*) in Nigeria. ***Journal of Veterinary Anatomy*** 4(2): 1-13

141. Yahaya A, Femi-Akinlosotu O, **Olopade J.O**, Kwari H.D (2011). A study of dental abnormalities of camels in Nigeria. ***Nigerian Veterinary Journal*** 32 (2): 92-96

142. **Olopade J.O,** Igado O.O, Nwafor C.I, Alamu A.O, Onwuka S.K (2011). Some aspects of the craniofacial indices and macro neurometrics of the Nigerian local pig (*Sus scrofa*). ***Italian Journal of Anatomy and Embryology*** 116 (1), 38-44

143. **Olopade J.O**, Connor J.R (2011). Vanadium and neurotoxicity: A review. ***Current Topics in Toxicology*** 7, 33-39

144. Yahaya,A.A., **Olopade J.O**, Kwari, H.D (2011). Clinical Implications of Craniometric Indices of One-humped Camel (*Camelus dromedaries)* to Oral Health and Clinical Regional Anaesthesia of the Head. ***Journal of Veterinary Anatomy*** 4(1):19-31

145. **Olopade J.O**., Samuel, M. O., Antia, R.E. and Onwuka, S. K (2010). Maxillofacial and Mandibular phenotypes in the skulls of Red Sokoto and Sahel goats in Nigeria: The role of dental abnormalities. ***Nigerian Veterinary Journal***, 31(1): 8-13

146. **Olopade J.O**, Okandeji M.E (2010). A study of some rostrofacial indices related to regional anaesthesia of the porcine: implications as an animal model for dental research. ***Nigerian Journal of Physiological Sciences*** 25 (2), 159–164

147. Aschner,M., Levin,E.D., Suñol,C., **Olopade J.O**, Helmcke K.J, Avila D.S, Sledge D, Ali R.H, Upchurch L, Donerly S, Linney E, Forsby A, Ponnuru P, Connor J.R (2010). Gene–environment interactions: Neurodegeneration in non-mammals and mammals. ***Neurotoxicology*** 31 (5), 582-588

148. **Olopade J.O**, Ozegbe P.C, Nssien M.A, Igado O.O, Akpan M.O, Olukole S.G, Aina O.O, Onwuka S.K, Oke B.O (2010). A rare case of left additional renal artery in a Nigerian goat. ***Italian Journal of Anatomy and Embryology*** 115 (3), 241-244

149. Olude M.A**, Olopade J.O** (2010). Morphometric Studies of the Axial Skeleton of the African Giant Rat (*Cricetomysgambianus*, Waterhouse) Part (1): Skull Typology ***Journal of Veterinary Anatomy***. Vol 3 (2), 1-12

150. **Olopade J.O**, Samuel M.O, Antia R.E, Onwuka S.K (2010). Maxillofacial and mandibular phenotypes in the skulls of Red Sokoto and Sahel goats in Nigeria: the role of dental abnormalities. ***Nigerian Veterinary Journal*** 31 (1),8-13

151. **Olopade J.O**, Omobowale, T.O and Igado, O.O **(**2010). Congenital dysgenesis (brachiomelia) of the forearm amongst West African Dwarf Triplet kids in Nigeria: A Case Report. ***Sahel Journal of Veterinary Science*** **9**(2): 47-49,

152. Olude M.A, **Olopade J.O**, Akinloye A.K, Mustapha O.A (2010). Macro-anatomical investigations of the skeletons of the African giant rat (*Cricetomysgambianus* Waterhouse 1840) II: fore limb. ***European Journal of Anatomy*** 14 (1), 19-23

153. Olude M.A, **Olopade J.O**, Fatola I.O, Onwuka S.K (2009). Some aspects of the neurocraniometry of the African giant rat (*Cricetomysgambianus* Waterhouse) ***Folia Morphologica*** 68 (4), 224-227

154. **Olopade J.O**, Onwuka S.K (2009). Correlative analysis of cortical concentrations of some metals and crude protein in the brain of goats. ***African Journal of Biomedical Research*** 10 (3)

155. **Olopade J.O**, Onwuka S.K (2009). The craniofacial and neurometric anatomy of the goat. ***Tropical Veterinarian*** 27 (4), 1-19

156. Olude M.A, **Olopade J.O**, Mustapha O.A (2009). Macro-anatomical investigations of the skeletons of the African giant rat. ***European Journal of Anatomy*** 13 (3), 127-131

157. **Olopade J.O**, Onwuka S.K (2009). Morphometric analysis of the skull of the Sahel goat breed: basic and clinical anatomy. ***Italian Journal of Anatomy and Embryology*** 114 (4), 167-178

158. Igado O.O, **Olopade J.O**, Onwuka S.K, Onwuka A.C, Daramola O.A, Ajufo U.E (2008). Evidence of environmental pollution in caprine brains obtained from a relatively unindustrialized area in Nigeria. ***African Journal of Biomedical Research*** 11; 305-309

159. Shawulu, J.C., Kwari, H.D., **Olopade J.O., J.O**., and Chibuzo, G.A (2008). The Effects of Different Ecotypes on the Craniofacial Anatomy of the Sahel Goat. ***Tropical Veterinarian.*** **26** (3&4): 9-14.

160. **Olopade J.O**, Onwuka S.K A (2008). Craniometric analysis of the skull of the Red Sokoto (Maradi) goat (*Capra hircus*) ***European Journal of Anatomy*** 12 (1), 57-62

161. **Olopade J.O**, Onwuka S.K (2007). Osteometric studies of the skull of red sokoto (maradi) goats (*Capra hircus*): Implications for regional anaesthesia of the head. ***International Journal of Morphology*** 25 (2), 407-411

162. Nottidge H.O, Omobowale T.O, **Olopade J.O**, Oladiran O.O, Ajala O.O (2007). A case of craniothoracopagus (monocephalusthoracopagustetrabrachius) in a dog. ***Anatomia, Histologia, Embryologia*** 36 (3), 179-181

163. **Olopade J.O**, Kwari H.D, Shawulu J.C, Ofual M, Onwuka S.K (2007). Some aspects of the neurometrics of the Sahel goat in Nigeria. ***European Journal of Anatomy*** 11 (2), 101-104.

164. **Olopade J.O** and Onwuka S.K (2007). Correlative analysis of cortical concentrations of some and metals and crude protein in the brain of goats. ***African Journal of Biomedical Research***, **10**:263-268.

165. **Olopade J.O**, Onwuka S.K, Kwari H.D, Abubakar U.A, Shawulu J.C, Balogun B.A (2007). Bilateral opening in the nasal bones of goats in Nigeria. ***Journal of Morphological. Science*** 24 (1), 59-61

166. Adedapo A.A., **Olopade J.O,** Saba A.B., Dina O.A. (2006). Effect of corticosteroid administration on the infectivity of *Trypanosome brucei* (8/18) in the Nigerian domestic chickens (*Gallus gallusdomesticus*). ***Nigerian Journal of Animal Production*** 33(1), 140-144.

167. **Olopade J.O**, Onwuka S.K, Kwari H.D, Oke B.O (2006). Caudofrontal depression on the cornual end of the temporal line of the skull of goat breeds in Nigeria. ***International Journal of Morphology*** 24 (3), 349-350

168. **Olopade J.O**, Onwuka S.K (2006). An osteometric study of the skull of the West African dwarf goat from South eastern Nigeria. I. Preliminary study. ***Nigerian Veterinary Journal*** 27 (1), 62-65

169. **Olopade J.O**, Onwuka S.K (2006). An osteometric study of the skull of the West African Dwarf Goat from the South Eastern Nigeria. II: Mandibular and Maxillofacial features. ***Nigerian Veterinary Journal*** 27 (2), 66-70

170. **Olopade J.O**, Balogun B. A., Oke B. O. and Onwuka S. K. (2005). Morphometric Investigation of the Brain of West African Dwarf Sheep in Nigeria. ***International Journal of Morphology*** 23 (2), 99-104.

171. **Olopade J.O**, Adejumo D, Ladokun A.A and Onwuka S.K. (2005). Analysis of some industrial metals and ions in the cerebral cortex of goats in Nigeria. ***Nigerian Veterinary Journal*** 26 (2), 51-55

172. **Olopade J.O**, Adejumo D.O, Ladokun A.O, Okandeji M.E, Adeshina A.A, Onwuka S.K (2005). Cortical concentrations of metals and protein in the brain of two breeds of goats in Nigeria. ***African Journal of Biomedical Research*** 8 (3), 191-196

173. **Olopade J.O**, Kwari H.D, Agbashe I.O, Onwuka S.K (2005). Morphometric study of the eyeball of three breeds of goats in Nigeria. ***International Journal Morphology*** 23 (4), 377-380

174. **Olopade J.O**, Onwuka S.K (2005). Morphometric study of the skull of the West African dwarf goat from South West Nigeria. ***Nigerian Veterinary Journal*** 26 (2), 18-21

175. **Olopade J.O**, Onwuka S.K (2005). Some aspects of the Clinical Anatomy of the mandibular and maxillofacial regions of the West African Dwarf Goat in Nigeria. ***International Journal of Morphology*** 23 (1), 33-36

176. **Olopade J.O**, Onwuka S.K (2005). Morphometric studies of the cranio-facial region of the West African dwarf goat in Nigeria. ***International Journal of Morphology*** 22 (2), 145-148.

177. **Olopade J.O**, Onwuka S.K (2003). A preliminary investigation into some aspects of the craniofacial indices of the red Sokoto (Maradi) goat in Nigeria. ***Folia Veterinaria*** 47 (2), 57-59

178. **Olopade J.O**, Onwuka S.K (2002). Preliminary morphometric investigation of the brain of red sokoto (maradi) goat. ***Tropical Veterinarian*** 20 (2), 80-84

Conference Proceedings

179. Yahaya, A **Olopade J.O.**, HD Kwari, IM Wiam (2015). Morphometric variations in the craniofacial indices of camels (*Camelus dromedarius*) in Nigeria. ***Proceedings of the International Camel Conference, Al-Hasa, Saudi Arabia***, 17-20 February 2013 pp 42-47.

180. Samuel M.O., **Olopade J.O.,** and Onwuka S.K. (2011). A comparative osteometric study of some cranial indices of goats (Capra hircus) from the middle-belt region of Nigeria -Clinical significance, the role of migration and climatic influence. ***5th Pan Commonwealth Veterinary Conference, Accra, Ghana.***

181. **Olopade J.O**, Madhankumar A.B, Das A, Liu X, Todorich B, Liang J.J, Webb, B and Connor, JR (2009) Vanadium as a possible chemotherapeutic agent against astrocytoma. ***Annual meeting of the American Association of Cancer Research, Denver Colorado, USA*** *April 18-22, 2009, Vol 50 page 1344*.

182. **Olopade J.O**, Onwuka, S. K., Kwari, H.D., and Fatola. O.I. (2005). Morphometric Studies of the craniofacial region of the Sahel Goat. ***42nd Annual Congress of the Nigeria Veterinary Medical Association held in Maiduguri***, Borno State, Nigeria.

183. Onwuka, S. K., **Olopade J.O**, Babajide, B. F. and Ehimiyien, I. O. (2003). Preliminary Morphometric Investigation of the brain of West African Dwarf Goat. ***39th Annual Congress of the Nigeria Veterinary Medical Association held in Sokoto***, Sokoto State, Nigeria.

184. **Olopade J.O** and Onwuka S.K (2001). Body Mass Indices of Goat Breeds in Nigeria: 1. Preliminary Information on Breeds of Northern Origin. ***Proceedings of the 38th Annual Congress of the Nigeria Veterinary Medical Association held in Lagos***, October 2001

Patents/Copyrights

185. Igado, O.O., Glaser, J., Ramos-Tirado, M., Bankoğlu, E.E., Atiba, F.A., Holzgrabe, U., Stopper, H., Olopade, J.O. (2017). Discovery of a new compound called butyl p-methoxyphenyl acetate (MIMO1). **Nigerian Copyright Commission**, Certificate No – LW2721.

186. Igado, O.O., Olukole, S.G., Olopade, J.O., Oke, B.O. (2016). Discovery of the pterygoid hamulus in a sea turtle – African sideneck turtle (Pelusios castaneus) called “Pterygoid hamulus of Igakole”. **Nigerian Copyright Commission** Reg. No LW1660.

187. Igado O.O, Olukole S.G, **Olopade J.O**, Oke B.O (2016): Pterygoid hamulus of IGAKOLE. ***Nigerian Copyright Commission*** Reg No LW1660. (Nigeria)

188. Olude M.A and **Olopade J.O.** (2010). Distal tibial depression to be called Tibial Depression of Olude. ***Nigerian Copyright Commission***. No.CN/L/2560. (Nigeria)

189. **Olopade J.O.** and Onwuka S.K (2010). Bilateral opening in the nasal bones of goats. To be called *Longitudinal cleft of Olopade* ***Nigerian Copyright Commission*** No.CN/L/2561. (Nigeria)

190. **Olopade J.O**, Kwari H.D, Onwuka S.K and Oke B.O (2006). Discovery of a depression in the skull of Goats in Nigeria to be called "Caudofrontal Depression of Olopade". ***Nigerian Copyright Commission*** No. CN/L/0056. (Nigeria).

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