

X. PUBLICATIONS

- (a) Books already published: Nil
- (b) Chapters in books already published: Nil
- (c) Articles that have already appeared in refereed Conference Proceedings:

1. **Ola-Davies, O.E** and Saba, A.B. (1998): Studies on the serum electrolyte changes in *Trypanosoma congolense* infected New Zealand White rabbits. *Proceedings of 3rd Annual conference of Animal Science Association of Nigeria*. 22-24 September, 1998. Lagos: Badagry. 184-185pp.

2. **Ola-Davies, O.**, Saba, A.B. Ariyibi; A, and Akinboade O.A. (1999): Effects of Trypanosomosis on some blood biochemical parameters in rabbits. *Proceedings of the 36th Annual conference of Nigerian Veterinary Medical Association of Nigeria*. 25 October, 1999. Kaduna: Arewa House, 52-54pp.

(d) Patents and Copyrights: Nil

(e) Articles that have already appeared in learned journals:

3. Sanni, A.A., Oke, O.A., Saba., **Ola-Davies; O.E**, Durotoye, L. A, (2000): Effect of melatonin on intestinal fluid absorption in the domestic chicken (*Gallus domesticus*). *African Journal of Biomedical Research*. Vol. 3: 31-34.

4. Saba, A.B., **Ola-Davies., O.**, Oyeyemi, M.O. and Ajala, O. (2000): The toxic effects of the prolonged administration of chloramphenicol on the liver and kidney of laboratory rats. *African Journal of Biomedical Research*. Vol. 3. No.3: 95-99.

5. Oyeyemi, M.O. **Ola-Davies, O.E.**, Oke, A.O. Idehen, C.O. (2000): Morphological changes in sperm cells during epididymal transit in West African Dwarf Buck. *Tropical Veterinarian* Vol. 18: 207 – 212.

6. Oyeyemi M.O; Akusu M.O, and **Olufunke E. Ola-Davies**. (2000): Effect of successive ejaculations on the spermiogram of West African dwarf goats (*Capra hircus L.*). *Veterinarski Arhiv* Vol. 70. No. 4: 215 – 221.

7. Dina, O.A; Saba, A.B; Akiromen, L.O; Adedapo, A.A. and **Ola-Davies, O.E**. (2001): The effect of aqueous leaf extract of *Telfaria occidentalis* on isolated guinea pig ileum. *African Journal of Biomedical Research* Vol. 4: 1- 4.

8. Adeyemo., O.K., Ajasin, F.O. **Ola-Davies, O.E**, Taiwo, O.O. (2001). Investigations into the use of *Xylopia aethiopica*. *Journal of Natural Remedies*. Vol. 1&2: 140 – 143.

9. **Ola-Davies, O.E**; Oyeyemi, M.O., Saba, A.B. and Ajala, O.O (2002): Prevalence of Eimeria oocysts in West African Dwarf goat at the University of Ibadan Farm. *Nigerian journal of Animal production* Vol. 29. No. 2: 259-263.

10. Odunola O.A. and **Ola-Davies O.E**. (2004): Reduction of the clastogenic effect of inorganic arsenic by extracts of some dietary additives. *Bulletin of the Science Association of Nigeria* Vol. 25: 255-259.

11. Fakeye T.O, Awe, S.O, Odelola H.A, **Ola-Davies O.E**, Itiola, O.A, Obajuluwa. T. (2004): Evaluation of toxicity profile of an alkaloidal fraction of stem bark of *Picralima nitida* (Apocynaceae). *Journal of Herbal Pharmacotherapy* Vol. 4. No. 3:37-45.
12. Farombi E.O, Adepoju B.F, **Ola-Davies O.E** and Emerole G.O. (2005): Chemoprevention of Aflatoxin B1-induced genotoxicity and hepatic oxidative damage in rats by kolaviron, a natural biflavonoid of *Garcinia kola* seeds. *European Journal of Cancer prevention* Vol. 14: 207-214.
13. Odunola, O.A., Adewale, A., Olorunnisola, O.S. and **Ola-Davies, O.E.** (2005): Protection against 2-Acetyl Aminofluorene induced toxicity in mice by garlic (*Allium sativum*), Bitter kola (*Garcinia kola* seed) and honey. *African journal of Medicine and Medicinal Sciences* Vol. 34: 167-172.
14. Badmus, J.A, Odunola, O.A, **Ola-Davies, O.E** and Adisa, R.A. (2006): Anticlastogenic properties of Methanolic extract of *Cnestis ferruginea* leaves. *Science Focus* Vol.11 : 121-124.
15. Abbah J.G., Eghianruwa, K.I., **Ola-Davies E.O.** and Abu A.H. (2006): Comparative effects of the aqueous leaf extract of *Ocimum basilicum* and Loperamide on intestinal transit in rats. *Nigerian Journal of Experimental and Applied Biology* Vol. 7. No. 2: 141-144.
16. Oyeyemi, M.O, Towobola, B.A. and **Ola-Davies, O. E** (2006). The reproductive implications of clomiphene citrate on sperm cells during the epididymal transit of spermatozoa in male wistar rats. *Folia Veterinaria* Vol. 50. No. 3:131-133.
17. Eghianruwa, K. I., Ogunleye, O. A., Saba, A. B., Famakinde, S. A., **Ola-Davies E.O.**, Abu, H. (2006). Influence of atropine and loperamide on reduced intestinal transit induced by *Calotropis procera* latex in rats. *African Journal of Biomedical Research*. Vol. 2: 125–128.
18. Adedapo A.A., Ayodele A.E, Ogunshe A. A. O., Oyeyemi M. O., Idowu S. O., **Ola-Davies O.E.** and Ademola. I. (2009): Haematinic potencies of the aqueous crude extracts of *Ficus mucoso* and *Senna occidentalis* in rabbits. *African Journal of Biomedical Research*. Vol. 12: 47-54.
19. Oloye A. A., Oyeyemi M O, **Ola-Davies O. E** and Innamah O. A. (2011): Effect of aqueous extract of *Spondias mombin* on the spermiogram of wistar rats *Bulletin of Animal Health and Production in Africa* Vol. 59: 95 – 99.
20. Oloye A.A., Oyeyemi M.O, **Ola-Davies O.E.** and Ajayi (2012): Testicular Morphometry and histology of male wistar rats and gestational pattern of female wistar rats treated with graded doseages of the leaves aqueous extract of *Spondias mombin*. *Bulletin of Animal Health and Production in Africa* Vol. 60: 71 – 76.
21. Oloye AA, M O Oyeyemi, **O E. Ola-Davies**, A.O. Oladejo (2012). Vaginal cytology pattern and birth features of female wistar rats treated with graded doses of ethanolic extract of *Spondias mombin*. *Bulletin of Animal Health and Production in Africa* Vol. 60. No. 3: 297-302.
22. Oloye AA, M O Oyeyemi, **O E. Ola-Davies**, S.A. Olorode, A.R. Ajayi (2013). Hormonal variation in gravid does after oral treatment with crude ethanol extract of *Spondias mombin*. *Journal of Natural Products* Vol. 6: 56-60.

23. Oloye, A. A., Oyeyemi, M. O, **Ola-Davies, O. E.**, Ajayi, O. I., Ajayi, A. R(2013).Vital reproductive indices in non-gravid female rabbits treated with crude ethanol extract of *Spondias mombin*. *Folia veterinaria*, 5Vol. 7. No. 1: 5-9.
24. **Ola-Davies O.E**, Adebiyi O.E and Ewete A (2013). Modulatory effects of ethanol extract of *Spondias mombin* leaves on sodium arsenite induced toxicity. *Tropical Veterinarian* Vol. 31. No.1: 30-41.
25. **Olufunke Ola-Davies**, Ajani O. S. and Oyeyemi M. O. (2013). Spermatozoa morphology and characteristics of *Spondias mombin* L. (*Anacardiaceae*) protected male Wistar rats exposed to sodium arsenite. *Journal of Veterinary Medicine and Animal Health* Vol. 6. No. 2: 63-66.
26. **Olufunke Ola-Davies**, O. S Ajani, M. O Oyeyemi and S.Ekundayo (2014). Testicular and epididymal parameters of *Spondias mombin* L. (*Anacardiaceae*) protected male Wistar rats exposed to sodium arsenite . *Global Veterinaria* Vol. 12. No. 2: 232-238.
27. **Olufunke E. Ola-Davies**; Samuel G. Olukole and Oluwapelumi A. Amoo (2014). Haematological and serum biochemical parameters of female Wistar rats treated with ethanolic extract of the root of *Moringa oleifera* plant. *African journal of Biomedical Research* Vol. 17. No. 1: 31-35
28. **Ola-Davies O. E** ; Fagbohun, F.A, Emikpe B.O and Adeyemo O.K.(2014). Diazinon-induced clastogenity and pathological changes in ovaries and testes of *Clarias gariepinus*. *Agricultural Science* Vol. 6: 146-151.
29. **Ola-Davies, O. E.**, Oloye, A. A., Oyeyemi, M. O.(2015). Ameliorating effect of guava (*Psidium guajava*) extract on adriamycin induced reproductive toxicities. *Folia Veterinaria* Vol. 59. No. 3: 153– 158.
30. Oluwatosin A. Adaramoye, Adesola Fausat Azeez, **Olufunke E. Ola-Davies** (2015). Ameliorative Effects of Chloroform Fraction of *Cocos nucifera* L. husk Fiber Against Cisplatin induced Toxicity in Rats. *Pharmacognosy Research* Vol. 8. No. 2: 89-96
31. **Olufunke Eunice Ola-Davies**, Odunayo Azeez (2016). Modulatory effects of guava extract on Adriamycin (Doxorubicin) induced Toxicity in Wistar rats. *Global Veterinaria* Vol. 16. No. 1: 31-36. DOI: 10.5829/idosi.gv.2016.16.01.10221
- 32.**Olufunke Ola-Davies** and O. S Ajani (2016). Semen characteristics and sperm morphology of *Pistia stratiotes* Linn. (*Araceae*) protected male albino rats (Wistar strain) exposed to sodium arsenite. *Journal of Complementary and Integrative Medicine* Vol. 13. No.3:16.
33. **Olufunke Eunice Ola-Davies**, Akinleye Stephen Akinrinde (2016). Acute Sodium Arsenite-Induced Hematological and Biochemical Changes in Wistar Rats: Protective Effects of Ethanol Extract of *Ageratum conyzoides*. *Pharmacognosy Research* Vol. 8. Supplement. 1: 526-530.
34. **Olufunke Ola-Davies**, and O. S Ajani (2016). Effects of *Ageratum conyzoides* on Semen Characteristics and Sperm Morphology in Rats Exposed to Sodium Arsenite. *African Journal of Biomedical Research* Vol. 19: 55- 60

35. **Olufunke Ola-Davies**, Oyagbemi A.A and Omobowale O (2016). Concentration-dependent inhibition of acetylcholinesterase by organophosphate poisoning in dogs: A biochemical and electrocardiographic study. *Toxicology International* Vol. 23. No. 1: 63-72.
36. Temitayo Olutayo Omobowale, Ademola Adetokunbo Oyagbemi, Akinleye Stephen Akinrinde, **Olufunke Eunice Ola-Davies**, Adebowale Bernard Saba, Olopade James Olukayode and Adedapo Alex Adeolu (2016). Effect of Exposure and Withdrawal on Lead-induced Toxicity and Oxidative Stress in Cardiac Tissues of Rats. *Toxicology International* Vol. 23. No. 1: 12-17.
37. Abimbola Adetokunbo Oloye, **Olufunke Eunice Ola-Davies**, Olusola Lawrence Ajayi, Matthew Olugbenga Oyeyemi, Sikiru Adetona Olurode, Benjamin Obukowho Emikpe (2017). Spermogram and testicular morphological studies of the buck after treatment with ethanol leaf extract of *Spondias mombin*. *Sokoto Journal of Veterinary Sciences* Vol. 15. No. 1: 72-76.
38. **Ola-Davies, O. E.**, Biobaku, K. T., Okediran, B. S., & Adah, A. S. (2017). Evaluation of the “Antidotal” Potential of *Mangifera indica* L. leaves extract on sodium arsenate exposed male Wistar rats using some biochemical markers. *Ceylon Journal of Science* Vol. 46. No. 1: 97–102.
39. Awoyemi OV, Okotie UJ, Oyagbemi A.A, Omobowale T.O, Asenuga R.A, **Ola-Davies O.E** and Ogunpolu B.S (2017). Cobalt chloride exposure dose dependently induced hepatotoxicity through enhancement of cyclooxygenase-2 (COX-2)/B- cell associated protein X (BAX) signaling and genotoxicity in Wistar rats. *Environmental Toxicology* Vol. 32. No. 7: 1899-1907.
40. Abimbola Adetokunbo Oloye, **Olufunke Eunice Ola-Davies** and Matthew Olugbenga Oyeyemi (2017). Haemogram and Hormonal profile of WAD buck treated with leaf ethanol extract of *Spondias mombin*. *Sokoto Journal of Veterinary Sciences* Vol. 15. No. 3:90-95.
41. **Olufunke Ola-Davies**, Abimbola Oloye and Abayomi Adeoye (2017). Sodium arsenite induced reproductive perturbations in wistar strain albino rats: Protective assessment *Cassia fistula*. *Tropical Veterinarian* Vol. 35. No. 4: 162-172.
42. Temidayo Olutayo Omobowale, Ademola Adetokunbo Oyagbemi, Uchechukwu Enwiwe Ajufo, Abiola Olumuyima Adejumobi, **Olufunke Eunice Ola-Davies**, Adeolu Alex Adedapo, and Momoh Audu Yakubu (2018). Ameliorative Effect of Gallic Acid in Doxorubicin-Induced Hepatotoxicity in Wistar Rats Through Antioxidant Defense System. *Journal of Dietary Supplements* Vol.15.No.2:183-196.<https://doi.org/10.1080/19390211.2017.1335822>
43. Temidayo. Omóbòwálé, Ademola A. Oyagbemi, Folasire Ayorinde, Temitayo O. Ajibade, Ebunoluwa R. Asenuga, Olumuyiwa A. Adejumobi, **Olufunke E. Ola-Davies**, Orotusin Oyetola, Gana James, Adeolu A. Adedapo and Momoh A. Yakubu (2018). Ameliorative effect of gallic acid on doxorubicin- induced cardiac dysfunction in rats, *Journal of Basic Clinical Physiology and Pharmacology* Vol. 29. No.1:19-27
<https://doi.org/10.1515/jbcpp-2016-0194>
44. Temidayo Olutayo Omóbòwálé, Ademola Adetokunbo Oyagbemi, Bukola Ayokunmi Alaba, **Olufunke Eunice Ola-Davies**, Olumuyiwa Abiola Adejumobi, Ebunoluwa Racheal Asenuga, Temitayo Olabisi Ajibade, Adeolu Alex Adedapo and Momoh Audu Yakubu (2018). Ameliorative effect of *Azadirachta indica* on sodium fluoride- induced hypertension through improvement of antioxidant defence system and upregulation of

45. Oyagbemi A.A., Adeolu Adedapo., Funmilola kehinde., Olumuyiwa Adejumobi, **Olufunke Ola-Davies.**, Tayo Omobowale., Yakubu Momoh., Ebunoluwa Olowu (2018). Protective effect of *Azadirata indica* and Vitamin E against arsenic acid induced-genotoxicity and apoptosis in rats. *Journal of Dietary Supplements* Vol. 15. No. 3: 253-268.
<https://doi.org/10.1080/19390211.2017.1336147>
46. Ademola A. Oyagbemi, Temidayo O. Omobowale, Grace O. Ochigbo, Ebunoluwa R. Asenuga, **Olufunke Eunice Ola-Davies**, Temitayo O. Ajibade, Adebowale B. Saba, and Adeolu A. Adedapo (2018). Polyphenol rich fraction of *Parquetina nigrescens* mitigates dichlorvos-induced cardiorenal dysfunction through reduction in cardiac nitrotyrosine and renal p38 expressions in Wistar rats. *Journal of Dietary Supplements* Vol. 15. No. 3: 269-284. <https://doi.org/10.1080/19390211.2017.1336148>
47. **Olufunke E. Ola-Davies** and Odunayo I. Azeez (2018). Modulatory effects of gallic acid on sodium fluoride induced nephrotoxicity in the wistar rats. *Journal of Pharmacognosy and Phytochemistry* Vol. No. 2: 1561-1570.
48. **Olufunke Ola-Davies**, Azeez I.O, Oyagbemi A.A and Abatan M.O.(2018). Acute coumaphos organophosphate exposure in the domestic dogs: Its implication on haematology and liver functions. *International Journal of Veterinary Science and Medicine* Vol. 6. No. 1: 103-112.
49. **Olufunke Ola-Davies**, S.G. Olukole and P.G. Ozegebe (2018). Resveratrol and Vitamin E ameliorate Carbendazim-induced toxicity in Wistar rats. *African Journal of Biomedical Research* Vol. 21: 211-217
50. **Olufunke Ola-Davies**, S.G. Olukole and Lanipekun D.O (2018). Protective effect of gallic acid against bisphenol A-induced morphological alterations of the prostate gland of wistar rats. *The Pharmaceutical and Chemical Journal* Vol. 5. No. 2: 34-39
51. **Olufunke Ola-Davies**, S.G. Olukole and Lanipekun D.O (2018). Gallic Acid Ameliorates Bisphenol A--Induced Toxicity in Wistar Rats. *Iranian journal of Toxicology* Vol. 12. No. 4: 11-18
52. Omobowale, Temidayo, Oyagbemi, Ademola, Ogunpolu, Blessing, **Ola-Davies, Olufunke**, Olukunle, Johnny, Asenuga, Ebunoluwa, Ajibade Temitayo, Adejumobi Olumuyiwa, Afolabi Jeremial, Falayi Olufunke, Ashafa Anofi, Adedapo Adeolu, and Momoh Audu Yakubu (2018). Antihypertensive effect of polyphenol-rich fraction of *Azadirachta indica* on N^ω Nitro-L-Arginine Methyl Ester-induced Hypertension and Cardiorenal Dysfunction. *Drug Research*. 2019 ; Vol. 69: 12-22. DOI <https://doi.org/10.1055/a-0635-0638>
53. Samuel Gbadebo Olukole, Samuel Olumide Ajani, **Eunice Olufunke Ola-Davies**, Damilare Olaniyi Lanipekun, Oluwasanmi Olayinka Aina, Matthew Olugbenga Oyeyemi, Bankole Olusiji Oke (2018). Melatonin ameliorates bisphenol A-induced perturbations of the prostate gland of adult Wistar rats. *Biomedicine and Pharmacotherapy* Vol. 105: 73-82.
54. Ademola Adetokunbo Oyagbemi; Temidayo Olutayo Omobowale, **Olufunke Eunice Ola-Davies.**, Ebunoluwa Rachael Asenuga, Temitayo Olabisi Ajibade., Olumuyiwa Abiola Adejumobi, Oluwatosin Adetola Arojojoye , Jeremiah Moyinoluwa Afolabi., Blessing

- Seun Ogunpolu., Olufunke Olubunmi Falayi , Fasilat Oluwakemi Hassan, Grace Onyeche Ochigbo, Adebawale Bernard Saba., Adeolu Alex Adedapo. and Momoh Audu Yakubu (2018). Quercetin attenuates hypertension induced by sodium fluoride via reduction in oxidative stress and modulation of HSP 70 /ERK/ PPAR γ signaling pathways. *BioFactors* Vol. 44 (5):465-479 DOI - 10.1002/biof.1445
55. Ademola Adetokunbo Oyagbemi., Temidayo Temitayo Omobowale., **Olufunke Eunice Ola-Davies.**, Ebunoluwa Rachael Olowu, Temitayo Olabisi Ajibade, Olumuyiwa Abiola Adejumobi, Jeremial Moyinoluwa Afolabi, Blessing Seun Ogunpolu., Olufunke Olubunmi Falayi., Fatimah Ayodeji , Fasilat Oluwakemi Hassan., Adebawale Bernard Saba., Adeolu Alex Adedapo and Momoh Audu Yakubu (2018). Ameliorative effect of Rutin on sodium fluoride-induced hypertension through modulation of KIM-1/NF- κ B/ Nrf2 signaling pathway in rats. *Environmental Toxicology* Vol 33(12):1284-1297.<https://doi.org/10.1002/tox.22636>
 56. **Olufunke E. Ola-Davies** (2018). Ameliorative effect of gallic acid against sodium fluoride-induced hypertension and hepato-renal complications in wistar rats. *African Journal of Biomedical Research* Vol. 21; 285-294
 57. Ademola Oyagbemi., Tayo Omobowale., **Olufunke Ola-Davies**, Ebunoluwa Olowu, Temitayo Ajibade, Olumuyiwa Adejumobi, Jerry Afolabi, Ogunpolu Blessing, Funke Falayi, Ayodeji Fatimah, Saba Bernard, Adeolu Adedapo, Momoh Yakubu (2018). Luteolin-mediated Kim-1/NF- κ B/Nrf2 signaling pathway protects sodium fluoride-induced hypertension and cardiovascular complications. *BioFactors* 44(6):518-531. PMID:30474894
 58. Isaac. A. Adedara, Osemudiamen Anao, Gilead Forcados, Ifeoluwa Awogbindin, Agatha Agbowo; **Olufunke Ola-Davies**, Anita Patlolla, Paul Tchounwou, Ebenezer Farombi (2018). Low doses of multi-walled carbon nanotubes elicit hepatotoxicity in rats with markers of oxidative stress and induction of pro-inflammatory cytokines. *Biochemical and Biophysical Research Communications* 503(4): 3167-3173. 10.1016/j.bbrc.2018.08.112.
 59. **Olufunke Ola-Davies** and Samuel Olukole (2018). Gallic acid protects against bisphenol A-induced alterations in the cardio-renal system of Wistar rats through the antioxidant defense mechanism. *Journal of Biomedicine and Pharmacotherapy* Vol. 107: 1786-1794. doi:10.1016/j.biopha.2018.08.108.
 60. A.A.Oyagbemi, TO Omobowale, OV Awoyemi, TO Ajibade, OO Falayi, BS Ogunpolu, Ufoma Okotie, ER Asenuga, **OE Ola-Davies**, AB Saba, AA Adedapo and MA Yakubu (2018). Cobalt chloride toxicity elicited hypertension and cardiac complication via induction of oxidative stress and upregulation of COX-2 / Bax signalling pathways. *Human Experimental Toxicology*. 2018 1-14 Dec31:960327118812158. doi: 10.1177/0960327118812158. [Epub ahead of print] PMID: 3059627
 61. Samuel Gbadebo Olukole, Damilare Olaniyi Lanipekun, **Eunice Olufunke Ola-Davies**, Bankole Olusiji Oke (2018). Melatonin attenuates bisphenol A-induced toxicity of the adrenal gland of Wistar rats. *Environmental Science and Pollution Research* Volume 26, Issue 6, pp 5971–5982. <https://doi.org/10.1007/s11356-018-4024-5>

62. **Ola-Davies Olufunke.**, Oyagbemi A.A., Omobowale T.O., Akande Israel and Ashafa Anofi, (2019). Ameliorative effects of *Annona muricata* Linn.(Annonaceae) against Potassium dichromate-induced hypertension in vivo: Involvement of Kim- 1/p38 MAPK/ Nrf2 signaling. *Journal of Basic and Clinical Physiology and Pharmacology (JBCPP)*. DOI: 10.1515/jbcpp-2018-0172
63. Adedokun R.A.M, Azeez O.I, Olaogun S.C. Adeoye A. and **Ola-Davies Olufunke** (2019). Toxicological studies of ethanol leaf extract of *Cassia fistula* on haematological and Biochemical parameters of wistar albino rats. *Journal of Pharmacognosy and Phytochemistry* Volume 8 (2) pp 1407-1412.
64. **Olufunke E. Ola-Davies** and Temitayo Ajibade (2019). Modulatory Roles of the Ethanol Leaf Extract of *Chromolaena odorata* on Sodium Arsenite-induced Toxicity in Rats. *Tropical Veterinarian* volume 37(1): 15-26.
65. **Olufunke Eunice Ola-Davies** and Abimbola Adetokunbo Oloye (2019). Phytomedical potential of *Chromolaena odorata* against arsenic-induced testicular toxicity in wistar rats. *Nigerian Journal of Basic and Applied Sciences* 27 (1): 67-75
66. Olukole S. G., Lanipekun D.O., **Ola-Davies. O. E**, Oke B. O.(2019). Maternal exposure to environmentally relevant doses of bisphenol A causes reproductive dysfunction in F1 adult male rats: Protective role of melatonin. *Environmental Science and Pollution Research* <https://doi.org/10.1007/s11356-019-06153-3>.
67. **Olufunke O Ola-Davies**, Abimbola Oloye and Kazeem Olaide (2019). Protective effects Of ethanol extract of *Mangifera indica* on arsenite induced testicular damage and endocrine pathology in wistar rats. *Tropical Veterinarian* 37(2): 73-86
68. **Olufunke O Ola-Davies**, Temitayo Olabisi Ajibade, Stephen Ekundayo, Rahmon A Adedokun (2019). Cytoprotective potential of *Spondias mombin* fractions on sodium arsenite-induced haematological, biochemical and genotoxic perturbations in rats. *African Journal of Biomedical Research* Vol. 22(September, 2019); 315-323
69. Oloye AA, Omitoogun B A, Ajadi R A, **Ola-Davies O E** and Oyeyemi M O (2019). Comparative survivability and fertility potentials of ovine spermatozoa stored in egg yolk citrate and mixed vegetative extenders at room temperature. *Bull. Anim. Hlth. Prod. Afr.*, 67 (1) : 27-36
70. Oyagbemi AA, Adebisi OE, Adigun KO, Ogunpolu B.S, Falayi O.O, Hassan F.O, Folarin O. R, Adebayo, A.K, Adejumo O.A, Asenuga E. R, **Ola-Davies O.E**, Omobowale T.O, Olopade J.O, Saba A.B, Adedapo A.A, Nkadineng S, McGaw L.J. Oguntibeju O, Yakubu M.A (2020). Clofibrate, a PPAR- α agonist, abrogated sodium fluoride-induced neuroinflammation, oxidative stress, and motor incoordination via modulation of GFAP/Iba-1/anti- calbindin signaling pathways. *Environmental Toxicology*.35:(2) 242-253 <https://doi.org/10.1002/tox.22861>
71. Olukole S. G., Lanipekun D.O., **Ola-Davies O. E.**, Oke B. O. (2020). Chronic exposure of adult male Wistar rats to bisphenol A causes testicular oxidative stress: Role of gallic acid. *Endocrine Regulations*, Vol. 54, No. 1, 14–21.

72. Samuel G. Olukole, Oluwasanmi O. Aina, Damilare O. Lanipekun, Sunday C. Olaogun, **Olufunke E. Ola-Davies**, Richard A. Adeleke, Gabriel A. T. Ogundipe, Bankole O. Oke. (2020). In utero exposure to bisphenol A alters prostatic responses in adult male rats: Protective effects of melatonin. *The Pharmaceutical and Chemical Journal*, 7(2):12-22.
73. Ademola Adetokunbo Oyagbemi, Temidayo Olutayo Omobowale, Olumuyiwa Abiola Adejumobi, Abiodun MaryOwolabi, Blessing Seun Ogunpolu, Ebunoluwa Racheal Asenuga, **Olufunke Eunice Ola-Davies**, Kehinde Olugboyega Soetan, Adebawale Benard Saba, Adeolu Alex Adedapo, Sanah Malomile Nkadimeng, Lyndy Joy McGaw, Oluwafemi Oguntibeju, Momoh Audu Yakubu (2020). Antihypertensive Power of Naringenin Is Mediated via Attenuation of Mineralocorticoid Receptor (MCR)/ Angiotensin Converting Enzyme (ACE)/ Kidney Injury Molecule (Kim-1) Signaling Pathway. *Eur J Pharmacol* May 15; 173142. doi: 10.1016/j.ejphar.2020.173142. Online ahead of print.
74. Adekemi Florence Fagbohun, **Olufunke Eunice Ola-Davies**, Benjamin Obukowho Emikpe, Oluwafemi Obagbemiro, Olanike Kudirat Adeyemo (2020). Chronic Exposure to No- Effect Concentration of Diazinon Induced Histological Lesions in Organs of *Clarias gariepinus* *Agricultural Sciences* Vol.11 No.7, 627-637 (July 28, 2020). DOI: 10.4236/as.2020.117040
75. Ademola Adetokunbo Oyagbemi, Olumuyiwa Abiola Adejumobi, Temitayo Olabisi Ajibade, Ebunoluwa Racheal Asenugac, Jeremiah Moyinoluwa Afolabi, Blessing Seun Ogunpolu, Olufunke Olubunmi Falayi, Fasilat Oluwakemi Hassana, Enivwenaye Williams Nabofae, Temidayo Olutayo Omobowale, **Olufunke Eunice Ola-Davies**, Adebawale Benard Saba, Adeolu Alex Adedapo, Oluwafemi Oguntibeju, and Momoh Audu Yakubu (2020). Luteolin Attenuates Glycerol-Induced Acute Renal Failure and Cardiac Complications Through Modulation of Kim-1/NF- κ B/Nrf2 Signaling Pathways. *Journal of Dietary Supplements* <https://doi.org/10.1080/19390211.2020.1811442>
76. Olukole S.G, Ajayi T.O, Olaogun S.C; Ajibola E.S, Alamu A.O; Lanipekun D.O, Egunleti F.P and **Ola-Davies O.E** (2020). Melatonin protects against Cyclophosphamide-induced Hepatic and Renal alterations in Rats. *Afr. J. Biomed. Res.* Vol. 23 (September, 2020); 407- 413
77. Ademola Adetokunbo Oyagbemi, Akinleye Stephen Akinrinde, Olamide Elizabeth Adebisi, Theophilus Aghogho Jarikre, Temidayo Olutayo Omobowale, **Olufunke Eunice Ola-Davies**, Adebawale Benard Saba, Benjamin Obukowho Emikpe, Adeolu Alex Adedapo (2020). Luteolin supplementation ameliorates cobalt-induced oxidative stress and inflammation by suppressing NF- κ B/Kim1 signaling in the heart and kidney of rats. *Environmental Toxicology & Pharmacology* <https://doi.org/10.1016/j.etap.2020.103488>.
78. Ademola Adetokunbo Oyagbemi, Foluso Bolawaye Bolaji-Alabi, Temitayo Olabisi Ajibade, Olumuyiwa Abiola Adejumobi, Olumide Samuel Ajani, Theophilus Aghogho Jarikre, Temidayo Olutayo Omobowale, **Olufunke Eunice Ola-Davies**, Kehinde Olugboyega Soetan, Abimbola Obemisola Aro, Benjamin Obukowho Emikpe, Adebawale Benard Saba, Adeolu Alex Adedapo, Matthew Olugbenga Oyeyemi, Sanah Malomile Nkadimeng, Prudence Ngalula Kayoka-Kabongo, Lyndy Joy McGaw, Oluwafemi Omoniyi Oguntibeju, Momoh Audu Yakubu (2020). Novel antihypertensive action of rutin is mediated via inhibition of angiotensin converting enzyme/mineralocorticoid receptor/angiotensin 2 type 1 receptor (ATR1) signaling pathways in uninephrectomized hypertensive rats. *Journal of Food Biochemistry* DOI: 10.1111/jfbc.13534. Vol. 44 Issue 10

79. Temidayo Olutayo Omóbòwálé, Ademola Adetokunbo Oyagbemi, Olumuyiwa Abiola Adejumobi, Fisayo Ugbor, Ebunoluwa Racheal Asenuga, Temitayo Olabisi Ajibade, Jeremiah Moyinoluwa Afolabi, Blessing Seun Ogunpolu, Olufunke Olubunmi Falayi, Idayat Titilayo Gbadamosi, **Olufunke Eunice Ola-Davies**, Adebawale Bernard Saba, Anofi Ashafa, Momoh Audu Yakubu, Adeolu Alex Adedapo, Oluwafemi Omoniyi Oguntibeju (2020). Antihypertensive effect of Methanol leaf extract of *Azadirachta indica* is Mediated through Suppression of Renal Caspase 3 Expressions on Nω-Nitro-L-Arginine Methyl Ester Induced Hypertension. *Phcog Res* 12:460-5
80. Arojojoye, O.A., Oyagbemi, A.A., **Ola-Davies, O.E.**, Racheal Oluwabukola Asaolu, Zainab Olabanji Shittu & Barakat Adebukola Hassan (2021). Assessment of water quality of selected rivers in the Niger Delta region of Nigeria using biomarkers in *Clarias gariepinus*. *Environ Sci Pollut Res* (2021). <https://doi.org/10.1007/s11356-020-11879-6>
81. Oyagbemi AA, Ajibade TO, Aboua YG, Gbadamosi IT, Adedapo ADA, Aro AO, Adejumobi OA, Thamahane-Katengua E, Omobowale TO, Falayi OO, Oyagbemi TO, Ogunpolu BS, Hassan FO, Ogunmiluyi IO, **Ola-Davies O.E**, Saba AB, Adedapo AA, Nkadimeng SM, McGaw LJ, Kayoka-Kabongo PN, Oguntibeju OO, Yakubu MA. (2021). Potential health benefits of zinc supplementation for the management of COVID-19 pandemic. *J Food Biochem*. 2021 Feb; 45(2) e13604.doi: 10.1111/jfbc.13604. Epub ahead of print. PMID: 33458853.
82. Oyagbemi AA, Adejumobi OA, Jarikre TA, Ajani OS, Asenuga ER, Gbadamosi IT, Adedapo ADA, Aro AO, Ogunpolu BS, Hassan FO, Falayi OO, Ogunmiluyi IO, Omobowale TO, Arojojoye OA, **Ola-Davies O.E**, Saba AB, Adedapo AA, Emikpe BO, Oyeyemi MO, Nkadimeng SM, McGaw LJ, Kayoka-Kabongo PN, Oguntibeju O O, Yakubu MA.(2021).Clofibrate, a Peroxisome Proliferator-Activated Receptor-Alpha(PPARα) Agonist, and Its Molecular Mechanisms of Action against Sodium Fluoride-Induced Toxicity. *Biol Trace Elem Res*. 2021 Apr 24. doi: 10.1007/s12011-021-02722-1. Online ahead of print.PMID: 3389399
83. Omolola Victoria Awoyomi, Yemisi Dorcas Adeoye, Ademola Adetokunbo Oyagbemi, Temitayo Olabisi Ajibade, Ebunoluwa Rachael Asenuga, Idayat Titilayo Gbadamosi, Blessing Seun Ogunpolu, Olufunke Olubunmi Falayi, Fasilat Oluwakemi Hassan, Temidayo Olutayo Omobowale, Oluwatosin Adetola Arojojoye, **Olufunke Eunice Ola-Davies**, Adebawale Benard Saba, Adeolu Alex Adedapo, Oluwafemi Omoniyi Oguntibeju, Momoh Audu Yakubu (2021). Luteolin mitigates potassium dichromate-Induced nephrotoxicity, cardiotoxicity and genotoxicity through modulation of Kim-1/Nrf2signaling pathways. *Environmental Toxicology*16 July 2021 <http://doi.org/10.1002/tox.23329>
84. Ademola Adetokunbo Oyagbemi, Temitayo Olabisi Ajibade, Yapo Guillaume Aboua, Idayat Titilayo Gbadamosi, Aduragbenro Deborah A. Adedapo, Abimbola Obemisola Aro, Olumuyiwa Abiola Adejumobi, Emma Thamahane-Katengua, Temidayo Olutayo Omobowale, Olufunke Olubunmi Falayi, Taiwo Olaide Oyagbemi, Blessing Seun Ogunpolu, Fasilat Oluwakemi Hassan, Iyanuoluwa Omolola Ogunmiluyi, **Olufunke Eunice Ola-Davies**, Adebawale Benard Saba, Adeolu Alex Adedapo, Sanah Malomile Nkadimeng, Lyndy Joy McGaw, Prudence Ngalula Kayoka-Kabongo, Momoh Audu Yakubu and Oluwafemi Omoniyi Oguntibeju (2021). Exploring the therapeutic potentials of a novel angiotensin-converting enzyme 2 (ACE2) in the fight against global COVID-19 pandemic. *Veterinary World In press*
85. Osaretin Godwin Igharo, Chris F. Harrington, **Olufunke E. Ola-Davies**, John I. Anetor,

James O. Osakue, Edouwaye L. Igharo, Oladele Osibanjo (2021). A Proposed Concept Model for Cancer Risk in Nigerian Electronic Waste Exposure – A Brief Report MAEDICA – a Journal of Clinical Medicine. 16 (2): 207-210 <https://doi.org/10.26574/maedica.2021.16.2.207>

86. O.T. Adenubi, O.O. Adebawale, O.A. Adekoya, F.A. Akande, A.I. Adeleye A.F. Makinde, **O.E. Ola-Davies** and J.O. Olukunle. (2022). Prevalence of Canine Helminthosis and Anthelmintic Usage Pattern at a Veterinary Teaching Hospital in Nigeria. Egyptian Journal of Veterinary Sciences **Vol. 53**, No.2, pp. 175-184 <https://ejvs.journals.ekb.eg/>
87. Ajibade T.O., Akinrinde A.S., Adetona M.O., Adedapo A.D.A., Oyagbemi A.A. Larbie Omobowale T.O., **Ola-Davies O.E.**, Saba A.B., Adedapo A.A., Oguntibeju O.O., Yakubu M.A (2022). Luteolin Normalizes Blood Pressure Via Its Antioxidant Activity and Down-Regulation of Renal Angiotensin II Receptor and Mineralocorticoid Receptor Expressions in Rats Co-exposed to Diclofenac and Sodium Fluoride. Niger. J. Physiol. Sci. June 2022): 35 – 42. www.njps.physiologicalsociety.com
88. Temitayo Olabisi Ajibade, Olusola Adedayo Awodele , Monsuru Oladunjoye Tijani, Olumuyiwa Abiola Adejumobi, Moses Olusola Adetona, Ademola Adetokunbo Oyagbemi, Aduragbenro **Ola-Davies, Olufunke Eunice**, Adebawale Benard Saba, Adeolu Alex Adedapo, Sanah Malomile Nkadimeng, Lyndy Joy McGaw , Prudence Ngalula Kayoka-Kabongo, Oluwafemi Omoniyi Oguntibeju, Momoh Audu Yakubu (2022). L- Arginine Supplementation Protects Sodium Fluoride-Induced Nephrotoxicity And Hypertension By Suppressing Mineralocorticoid Receptor and Angiotensin Converting Enzyme Activity. DOI: [10.21203/rs.3.rs-1016429/v1](https://doi.org/10.21203/rs.3.rs-1016429/v1)
89. Ademola Adetokunbo Oyagbemi, Temitayo Olabisi Ajibade, Oluwaseun Olanrewaju Esan, Moses Olusola Adetona, Ayobami Deborah Obisesan, Adewumi Victoria Adeogun, Omolola Victoria Awoyomi, Joseph Ayotunde Badejo, Aduragbenro Deborah A. Adedapo, Temidayo Olutayo Omobowale, Olayinka Isreal Olaleye, **Olufunke Eunice Ola-Davies**, Adebawale Benard Saba, Adeolu Alex Adedapo, Sanah Malomile Nkadimeng, Lyndy Joy McGaw, Prudence Ngalula Kayoka-Kabongo, Momoh Audu Yakubu, Evaristus Nwulia and Oluwafemi Omoniyi Oguntibeju (2022). Naringin abrogates angiotensin-converting enzyme (ACE) activity and podocin signalling pathway in cobalt chloride-induced nephrotoxicity and hypertension. IBMK#2157489, PMID: 36480283 DOI: [10.1080/1354750X.2022.2157489](https://doi.org/10.1080/1354750X.2022.2157489)
90. Ademola Adetokunbo Oyagbemi, Fasilat Oluwakemi Hassan, Temitayo Olabisi Ajibade, **Olufunke Eunice Ola-Davies**, Temidayo Olutayo Omobowale, Olumide Samuel Ajani, Theophilus Aghogho Jarikre, Kehinde Olugboyega Soetan, Adebawale Benard Saba, Adeolu Alex Adedapo, Abimbola Obemisola Aro, Matthew Olugbenga Oyeyemi, Benjamin Obukowho Emikpe, Sanah Malomile Nkadimeng, Lyndy Joy McGaw, Prudence Ngalula Kayoka-Kabongo, Momoh Audu Yakubu and Oluwafemi Omoniyi Oguntibeju (2022). Antihypertensive action of Launaea taraxacifolia and its molecular mechanism of action doi.org/10.36721/PJPS.2022.35.6.REG.1581-1594.1 *Pak. J. Pharm. Sci.*, Vol.35 (6) pp.1581-1694
91. Temitayo Olabisi Ajibade, Oluwaseun Olanrewaju Esan, Isreal Mark Osawere, Moses Olusola Adetona, Oluwasanmi Olayinka Aina, Odunayo Ibraheem Azeez, Ayobami Deborah Obisesan, Ademola Adetokunbo Oyagbemi, **Olufunke Eunice Ola-Davies**, Temidayo Olutayo Omobowale, Adebawale Benard Saba, Adeolu Alex Adedapo, Momoh Audu Yakubu, Oluwafemi Omoniyi Oguntibeju (2022). Cardiovascular and renal

oxidative stress-mediated toxicities associated with bisphenol-A exposures are mitigated by *Curcuma longa* in rats. *Avicenna J Phytomed*, 2022. *AJP*, Vol. 14, No. 2, Mar-Apr 2024, 202-214. <https://dx.doi.org/10.22038/AJP.2023.23367>

92. Oyagbemi AA, Adebayo AK, Adebisi OE, Adigun KO, Folarin OR, Esan OO, Ajibade TO, Ogunpolu BS, Falayi OO, Ogunmiluyi IO, Olutayo Omobowale T, **Ola-Davies O.E.**, Olopade JO, Saba AB, Adedapo AA, Nkadimeng SM, McGaw LJ, Yakubu MA, Nwulia E, 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 rats. *Biomarkers*. 2023 Jan 12;1-18. doi: 10.1080/1354750X.2022.2164354. Online ahead of print. PMID: 36632742
93. Tomori, B., Adeyemo, O., **Ola-Davies, O.**, Alarape, S. (2023). Effects of *Telfairia occidentalis* and *Ipomoea batatas* on Biochemical and Antioxidant Assay of African Catfish (*Clarias gariepinus*). *Aquaculture Studies*, 23(SI), AQUAST1116. <http://doi.org/10.4194/AQUAST1116>
94. Akinleye Stephen Akinrinde , Stephen Oluwasemilore Oyewole and **Olufunke Eunice Ola-Davies** (2023). Supplementation with sesame oil suppresses genotoxicity, hepatotoxicity and enterotoxicity induced by sodium arsenite in rats. *Lipids in Health and Disease* (2023) 22:14 <https://doi.org/10.1186/s12944-022-01760-5>
95. Akinrinde A.S , Ajibade T.O., Adetona M.O. Oyagbemi A.A., Adedapo A.D.A., Larbie C., Omobowale T.O., **Ola-Davies O.E.**, Adedapo A.A., Saba A.B., Oguntibeju O.O., Yakubu M.A. (2023). Glycine Exerts Renal Antioxidant Effects and Restores Hemodynamic Alterations in Rats Treated with Diclofenac Sodium: Roles of Renal Angiotensin Converting Enzyme, Angiotensin II Receptor and Mineralocorticoid Receptor. *Afr. J. Biomed. Res.* Vol. 26 (May 2023); 281- 289
96. Ademola Adetokunbo Oyagbemi, Temitayo Olabisi Ajibade, Oluwaseun Olanrewaju Esan, Moses Olusola Adetona, Omolola Victoria Awoyomi, Temidayo Olutayo Omobowale, **Olufunke Eunice Ola-Davies**, Adebawale Benard Saba, Adeolu Alex Adedapo, Sanah Malomile Nkadimeng, Lyndy Joy McGaw, Prudence Ngalula Kayoka-Kabongo, Momoh Audu Yakubu, Evaristus Nwulia, Oluwafemi Omoniyi Oguntibeju (2023). Cardioprotective and renoprotective effects of melatonin and vitamin E on fluoride-induced hypertension and renal dysfunction in rats. *Comparative Clinical Pathology* <https://doi.org/10.1007/s00580-023-03519-5>
97. Azeez O.I., Oyagbemi A.A. and **Ola-Davies O.E.** (2023). Gallic acid attenuates cardiovascular and Haematological complications in vincristine treatment via hydroxyl radical scavenging and endogenous antioxidant stimulation in male wistar rats. *European Journal of Medicine and Health Sciences* Vol 5 (5); 130-137.
98. Mustapha Olamide Oluwayemisi , Fatola Olanrewaju, **Ola-Davies Olufunke** , Ajayi Olusola Lawrence and Oyeyemi Matthew (2023). Ethanol extract of aloe vera ameliorates Artemether-Lumefantrine-induced reproductive toxicity in adult male Albino rats (Wistar Strain). *Environmental Analysis Health and Toxicology* **2023**, 38(4):e2023025 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10834072/>
99. Samuel Gbadebo Olukole, Damilare Olaniyi Lanipekun , Olufunke Eunice Ola-Davies, Evelyn Sechivir Iorbo, Bankole Olusiji Oke (2023). Protective role of melatonin on Bisphenol A-induced Adrenal Gland dysfunction in pubertal Wistar rats exposed *in-utero* Tropical Vet. 41 (2) Pages 74 – 87.

100. Igharo O.G., Akpata C.B.N., Aikpitanyi-Iduitua G.A., Oshilonyah L.U., **Ola-Davies O.E.**, Anetor J. I. (2024). Exposure assessment and micronuclei induction in populations exposed to electronic waste in South-West Nigeria. *Univ Med* 43:51-6
https://www.researchgate.net/publication/380115956_Exposure_assessment_and_micronuclei_induction_in_populations_exposed_to_electronic_waste_in_South-West_Nigeria#fullTextFileContent [accessed May 15 2024].
101. Akinleye Stephen Akinrinde, Jadesola Juliana Ajao, Ademola Adetokunbo Oyagbemi, Olufunke Eunice **Ola-Davies (2024). Taurine and Protocatechuic acid attenuate Vinristine sulphate-induced bone marrow, liver and intestinal injuries via anti-oxidative, anti-inflammatory and anti-apoptotic Activities. *Comparative Clinical Pathology* <https://doi.org/10.1007/s00580-024-03574-6>**
Accepted: 14 May 2024
102. Ademola Adetokunbo Oyagbemi, Fasilat Oluwakemi Hassan, Olamide Elizabeth Adebiyi, Kabirat Oluwaseun Adigun, Oluwabusayo Racheal Folarin, Temitayo Olabisi Ajibade, Oluwaseun Olanrewaju Esan, Temidayo Olutayo Omobowale , Olufunke Eunice Ola-Davies, James Olukayode Olopade, Adebawale Benard Saba, Adeolu Alex Adedapo, Sanah Malomile Nkadimeng, Lyndy Joy McGaw, Evaristus Nwulia, Momoh Audu Yakubu, Oluwafemi Omoniyi
Oguntibeju (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): x-x.

Books, Chapters in Books and articles Accepted for Publication

103. **Ola-Davies, E. O.**, Olukole, S. G., Abiola, J. O. (2020). Experimental Models I: Laboratory Animals in Biomedical Research. In: Igharo, O. G. and Anetor, J. I. (Ed.) Biomedical Explorer. A textbook of Biomedical Research Innovation. Lagos: Unilag Press. ISBN:978-978-57646-2-6. Accepted for Publication in March, 2020.