

CURRICULUM VITAE

1. Contact Details

Name: Isaac Adegboyega ADEDARA
Address: Department of Biochemistry
Faculty of Basic Medical Sciences
University of Ibadan, Nigeria
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2. Education: **University Education with dates**

- a) Doctor of Philosophy (Biochemistry, University of Ibadan) (2006 - 2011)
- b) Masters of Science (Biochemistry, University of Ibadan) (2003 - 2004)
- c) Bachelor of Science (Hons) (Biochemistry, University of Ibadan) (1997 - 2001)

3. Appointments:

- a) First Academic Appointment: Assistant Lecturer (7 January, 2008)
- b) Present Post (With Date): Senior Lecturer (01 October, 2017)
- c) Coordinator, Bachelor of Science (Biochemistry) Program 2016 till date
- d) Sub-Dean, Faculty of Basic Medical Sciences 2018 till date
- e) Member, Editorial Advisory Board of the Journal of Biochemical and Molecular Toxicology (JBMT), USA 2019 till date

4. Professional trainings:

- a) Postdoctoral training at Department of Anatomy, Physiology, and Pharmacology, College of Veterinary Medicine, Auburn University, Auburn, AL 36849, USA with Sir Mobolaji Bank Anthony Fellowship (UK) in 2012.
- b) Postdoctoral training at Departamento de Bioquímica e Biologia Molecular, CCNE, Universidade Federal de Santa Maria, 97105-900 Santa Maria, RS, Brazil with TWAS-CNPq Postdoctoral Fellowship (Brazil) in 2014.

5. Awards:

- a) INSA – JRD TATA Fellowship for pre-doctoral research (India) 2009
- b) AETOX-EUROTOX Travel Fellowship (Spain) 2010
- c) John D. and Catherine T. MacArthur Foundation Fellowship 2010
- d) Sir Mobolaji Bank Anthony Fellowship (UK) 2010
- e) University of Ibadan Postgraduate Publication Award 2010

f) Bristol-Meyers Squibb Travel Award (USA)	2011
g) University of Ibadan Postgraduate Publication Award	2011
h) TWAS-CNPq Postdoctoral Fellowship (Brazil)	2013
i) Society of Toxicology Travel Grant (USA)	2014
j) Thomas-Bassir Biomedical Foundation Small Research Grants	2017
k) CAPES-PrInt Postdoctoral Fellowship (Brazil)	2020

PUBLICATIONS

1. **Adedara IA**, Costa FV, Biasuz E, Canzian J, Farombi EO, Rosemberg DB (2022). Influence of acid-sensing ion channel blocker on behavioral responses in a zebrafish model of acute visceral pain. *Behav Brain Res.* 416:113565. DOI: 10.1016/j.bbr.2021.113565. **(Impact Factor: 3.332)**
2. **Adedara IA**, Ajayi BO, Afolabi BA, Awogbindin IO, Rocha JBT, Farombi EO. (2021) Toxicological outcome of exposure to psychoactive drugs carbamazepine and diazepam on non-target insect *Nauphoeta cinerea*. *Chemosphere.* 264(Pt 1):128449. DOI: 10.1016/j.chemosphere.2020.128449. **(Impact Factor: 5.778)**
3. **Adedara IA**, Awogbindin IO, Mohammed KA, Da-Silva OF, Farombi EO. (2021) Abatement of the dysfunctional hypothalamic-pituitary-gonadal axis due to ciprofloxacin administration by selenium in male rats. *Journal of Biochemical and Molecular Toxicology.* 35(5):e22741. DOI: 10.1002/jbt.22741. **(Impact Factor: 3.642)**
4. **Adedara IA**, Godswill US, Mike MA, Afolabi BA, Amorha CC, Sule J, Rocha JBT, Farombi EO. (2021) Chronic ciprofloxacin and atrazine co-exposure aggravates locomotor and exploratory deficits in non-target detritivore speckled cockroach (*Nauphoeta cinerea*). *Environmental Science and Pollution Research.* 28(20):25680-25691. **(Impact Factor: 4.223)**
5. **Adedara IA**, Owumi SE, Oyelere AK, Farombi EO. (2021) Neuroprotective role of gallic acid in aflatoxin B1 -induced behavioral abnormalities in rats. *Journal of Biochemical and Molecular Toxicology.* 35(3):e22684. DOI: 10.1002/jbt.22684. **(Impact Factor: 3.642)**
6. Nkpaa KW, Owoeye O, Amadi BA, **Adedara IA**, Abolaji AO, Wegwu MO, Farombi EO. (2021) Ethanol exacerbates manganese-induced oxidative/nitrosative stress, pro-inflammatory cytokines, nuclear factor- κ B activation, and apoptosis induction in rat cerebellar cortex. *Journal of Biochemical and Molecular Toxicology.* 35(3):e22681. DOI: 10.1002/jbt.22681. **(Impact Factor: 3.642)**
7. Adedara IA, Awogbindin IO, Maduako IC, Ajeleti AO, Owumi SE, Owoeye O, Patlolla AK, Farombi EO. (2021) Kolaviron suppresses dysfunctional reproductive axis associated with

multi-walled carbon nanotubes exposure in male rats. *Environmental Science and Pollution Research*. 28:354-364. **(Impact Factor: 4.223)**

8. **Adedara IA**, Awogbindin IO, Afolabi BA, Ajayi BO, Rocha JBT, Farombi EO. (2020) Hazardous impact of diclofenac exposure on the behavior and antioxidant defense system in *Nauphoeta cinerea*. *Environmental Pollution* 265:115053. DOI: 10.1016/j.envpol.2020.115053. **(Impact Factor: 8.071)**.
9. **Adedara IA**, Fabunmi AT, Ayenitaju FC, Atanda OE, Adebowale AA, Ajayi BO, Owoeye O, Rocha JBT, Farombi EO (2020) Neuroprotective mechanisms of selenium against arsenic-induced behavioral impairments in rats. *Neurotoxicology*. 76:99-110. **(Impact Factor: 4.294)**.
10. Owumi SE, **Adedara IA**, Farombi EO, Oyelere AK. (2020) Protocatechuic acid modulates reproductive dysfunction linked to furan exposure in rats. *Toxicology*. 442:152556. DOI: 10.1016/j.tox.2020.152556. **(Impact Factor: 4.221)**.
11. Awogbindin IO, Maduako IC, **Adedara IA**, Owumi SE, Ajeleti AO, Owoeye O, Patlolla AK, Tchounwou PB, Farombi EO. (2020) Kolaviron ameliorates hepatic and renal dysfunction associated with multiwalled carbon nanotubes in rats. *Environmental Toxicology* DOI: 10.1002/tox.23011. **(Impact Factor: 4.119)**.
12. **Adedara IA**, Ajayi BO, Afolabi BA, Awogbindin IO, Rocha JBT, Farombi EO. (2020) Toxicological outcome of exposure to psychoactive drugs carbamazepine and diazepam on non-target insect *Nauphoeta cinerea*. *Chemosphere*. 128449. DOI: 10.1016/j.chemosphere.2020.128449. **(Impact Factor: 7.086)**.
13. Owumi SE, **Adedara IA**, Akomolafe AP, Farombi EO, Oyelere AK. (2020) Gallic acid enhances reproductive function by modulating oxido-inflammatory and apoptosis mediators in rats exposed to aflatoxin-B1. *Experimental Biology and Medicine (Maywood)*. 245(12):1016-1028. **(Impact Factor: 2.691)**.
14. Farombi EO, Ajayi BO, **Adedara IA**. (2020) 6-Gingerol delays tumorigenesis in benzo[a]pyrene and dextran sulphate sodium-induced colorectal cancer in mice. *Food and Chemical Toxicology* 142:111483. DOI: 10.1016/j.fct.2020.111483. **(Impact Factor: 6.023)**.
15. Awogbindin IO, **Adedara IA**, Adeniyi PA, Agedah AE, Oyetunde BF, Olorunkalu PD, Ogbuwu E, Akindoyeni IA, Mustapha YE, Ezekiel OG, Farombi EO. (2020) Nigral and ventral tegmental area lesioning induces testicular and sperm morphological abnormalities in a rotenone model of Parkinson's disease. *Environmental Toxicology and Pharmacology* 78:103412. DOI: 10.1016/j.etap.2020.103412. **(Impact Factor: 4.860)**.
16. **Adedara IA**, Awogbindin IO, Owoeye O, Maduako IC, Ajeleti AO, Owumi SE, Patlolla AK, Farombi EO. (2020) Kolaviron via anti-inflammatory and redox regulatory mechanisms abates multi-walled carbon nanotubes-induced neurobehavioral deficits in rats. *Psychopharmacology (Berl)*. 237(4):1027-1040. DOI: 10.1007/s00213-019-05432-8. **(Impact Factor: 4.530)**.

17. **Adedara IA**, Adegbosin AN, Abiola MA, Odunewu AA, Owoeye O, Owumi SE, Farombi EO. (2020) Neurobehavioural and biochemical responses associated with exposure to binary waterborne mixtures of zinc and nickel in rats. *Environmental Toxicology and Pharmacology* 73:103294. DOI: 10.1016/j.etap.2019.103294. (**Impact Factor: 4.860**).
18. **Adedara IA**, Adebawale AA, Atanda OE, Fabunmi AT, Ayenitaju AC, Rocha JBT, Farombi EO. (2019) Selenium abates reproductive dysfunction via attenuation of biometal accumulation, oxido-inflammatory stress and caspase-3 activation in male rats exposed to arsenic. *Environmental Pollution* 254:113079. DOI: 10.1016/j.envpol.2019.113079. (**Impact Factor: 8.071**).
19. **Adedara IA**, Abiola MA, Adegbosin AN, Odunewu AA, Farombi EO. (2019) Impact of binary waterborne mixtures of nickel and zinc on hypothalamic-pituitary-testicular axis in rats. *Chemosphere*. 237:124501. DOI: 10.1016/j.chemosphere.2019.124501. (**Impact Factor: 7.086**).
20. Abolaji AO, Ajala VO, Adigun JO, **Adedara IA**, Kinyi HW, Farombi EO. (2019) Protective role of resveratrol, a natural polyphenol, in sodium fluoride-induced toxicity in *Drosophila melanogaster*. *Experimental Biology and Medicine (Maywood)*. 244(18):1688-1694. (**Impact Factor: 2.691**).
21. **Adedara IA**, Okpara ES, Busari EO, Omole O, Owumi SE, Farombi EO. (2019) Dietary protocatechuic acid abrogates male reproductive dysfunction in streptozotocin-induced diabetic rats *via* suppression of oxidative damage, inflammation and caspase-3 activity. *European Journal of Pharmacology* 849:30-42. (**Impact Factor: 4.432**).
22. Ajayi BO, **Adedara IA**, Farombi EO. (2019) 6-Gingerol abates benzo[a]pyrene-induced colonic injury *via* suppression of oxido-inflammatory stress responses in BALB/c mice. *Chemico-Biological Interactions* 307:1-7. (**Impact Factor: 5.192**).
23. **Adedara IA**, Fasina OB, Ayeni MF, Ajayi OM, Farombi EO. (2019) Protocatechuic acid ameliorates neurobehavioral deficits *via* suppression of oxidative damage, inflammation, caspase-3 and acetylcholinesterase activities in diabetic rats. *Food and Chemical Toxicology* 125:170-181. (**Impact Factor: 6.023**).
24. Owumi SE, **Adedara IA**, Duro-Ladipo A, Farombi EO. (2019) Acute diethyl nitrosamine and cadmium co-exposure exacerbates deficits in endocrine balance, sperm characteristics and antioxidant defence mechanisms in testes of pubertal rats. *Andrologia*. 51(4):e13230. (**Impact Factor: 2.775**).
25. **Adedara IA**, Alake SE, Olajide LO, Adeyemo MO, Ajibade TO, Farombi EO. (2019) Taurine ameliorates thyroid hypofunction and renal injury in L-NAME-induced hypertensive rats. *Drug Research (Stuttg)*. 69(2):83-92. (**Impact Factor: 1.86**).
26. Nkpaa KW, Awogbindin IO, Amadi BA, Abolaji AO, **Adedara IA**, Wegwu MO, Farombi EO. (2019) Ethanol exacerbates manganese-induced neurobehavioral deficits, striatal oxidative stress, and apoptosis *via* regulation of p53, Caspase-3, and Bax/Bcl-2 ratio-dependent pathway. *Biological Trace Element Research* 191:135-148. (**Impact Factor: 3.738**).

27. Afolabi BA, **Adedara IA**, Souza DO, Rocha JBT. (2018) Dietary co-exposure to methylmercury and monosodium glutamate disrupts cellular and behavioral responses in the lobster cockroach, *Nauphoeta cinerea* model. *Environmental Toxicology and Pharmacology*. 64:70-77. **(Impact Factor: 4.860)**
28. **Adedara IA**, Owoeye O, Awogbindin IO, Ajayi BO, Rocha JBT, Farombi EO. (2018) Diphenyl diselenide abrogates brain oxidative injury and neurobehavioural deficits associated with pesticide chlorpyrifos exposure in rats. *Chemico-Biological Interactions*. 296:105-116. **(Impact Factor: 5.192)**.
29. **Adedara IA**, Anao OO, Forcados GE, Awogbindin IO, Agbowo A, Ola-Davies OE, Patlolla AK, Tchounwou PB, Farombi EO. (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. **(Impact Factor: 3.575)**.
30. **Adedara IA**, Omole O, Okpara ES, Fasina OB, Ayeni MF, Ajayi OM, Busari EO, Farombi EO. (2018) Impact of prepubertal exposure to dietary protocatechuic acid on the hypothalamic-pituitary-testicular axis in rats. *Chemico-Biological Interactions*. 290:99-109. **(Impact Factor: 5.192)**.
31. Nkpaa KW, Amadi BA, **Adedara IA**, Wegwu MO, Farombi EO. (2018) Ethanol exacerbates manganese-induced functional alterations along the hypothalamic-pituitary-gonadal axis of male rats. *Neuroscience Letters*. 684:47-54. **(Impact Factor: 3.046)**.
32. Ajayi BO, **Adedara IA**, Ajani OS, Oyeyemi MO, Farombi EO. (2018) [6]-Gingerol modulates spermatotoxicity associated with ulcerative colitis and benzo[a]pyrene exposure in BALB/c mice. *Journal of Basic and Clinical Physiology and Pharmacology*. 29:247-256. **(Impact Factor: 1.650)**.
33. **Adedara IA**, Alake SE, Adeyemo MO, Olajide LO, Ajibade TO, Farombi EO. (2018) Taurine enhances spermatogenic function and antioxidant defense mechanisms in testes and epididymis of L-NAME-induced hypertensive rats. *Biomedicine and Pharmacotherapy*. 97:181-189. **(Impact Factor: 6.529)**.
34. **Adedara IA**, Owoeye O, Ajayi BO, Awogbindin IO, Rocha JBT, Farombi EO. (2018) Diphenyl diselenide abrogates chlorpyrifos-induced hypothalamic-pituitary-testicular axis impairment in rats. *Biochemical and Biophysical Research Communications* 503:171-176. **(Impact Factor: 3.575)**
35. Owoeye O, **Adedara IA**, Farombi EO. (2018) Pretreatment with taurine prevented brain injury and exploratory behaviour associated with administration of anticancer drug cisplatin in rats. *Biomedicine and Pharmacotherapy*. 102:375-384. **(Impact Factor: 6.529)**.
36. Ajayi BO, **Adedara IA**, Farombi EO. (2018) Protective mechanisms of 6-gingerol in dextran sulfate sodium-induced chronic ulcerative colitis in mice. *Human and Experimental Toxicology*. 37:1054-1068 **(Impact Factor: 2.903)**.

37. Farombi EO, **Adedara IA**, Ajayi BO, Idowu TE, Eriomala OO, Akinbote FO. (2018) 6-Gingerol improves testicular function in mice model of chronic ulcerative colitis. *Human and Experimental Toxicology* 37:358-372. (**Impact Factor: 2.903**).
38. **Adedara IA**, Ajayi BO, Awogbindin IO, Farombi EO. (2017) Interactive effects of ethanol on ulcerative colitis and its associated testicular dysfunction in pubertal BALB/c mice. *Alcohol*. 64:65-75. (**Impact Factor: 2.405**).
39. **Adedara IA**, Olabiyi BF, Ojuade TD, Idris UF, Onibiyo EM, Farombi EO. (2017) Taurine reverses sodium fluoride-mediated increase in inflammation, caspase-3 activity, and oxidative damage along the brain-pituitary-gonadal axis in male rats. *Canadian Journal of Physiology and Pharmacology*. 95:1019-1029. (**Impact Factor: 1.946**).
40. **Adedara IA**, Ego VC, Subair TI, Oyediran O, Farombi EO. (2017) Quercetin improves neurobehavioral performance through restoration of brain antioxidant status and acetylcholinesterase activity in manganese-treated rats. *Neurochemical Research* 42:1219–1229 (**Impact Factor: 3.996**).
41. **Adedara IA**, Abolaji AO, Awogbindin IO, Farombi EO. (2017) Suppression of the brain-pituitary-testicular axis function following acute arsenic and manganese co-exposure and withdrawal in rats. *Journal of Trace Element in Medicine and Biology* 39:21-29 (**Impact Factor: 3.849**).
42. **Adedara IA**, Subair TI, Ego VC, Oyediran O, Farombi EO. (2017) Chemoprotective role of quercetin in manganese-induced toxicity along the brain-pituitary-testicular axis in rats. *Chemico-Biological Interactions* 263:88-98 (**Impact Factor: 5.192**).
43. Salihu M, Ajayi BO, **Adedara IA**, Farombi EO. (2017) 6-Gingerol-rich fraction prevents disruption of histomorphometry and marker enzymes of testicular function in carbendazim-treated rats. *Andrologia* 49(10) DOI:10.1111/and.12782 (**Impact Factor: 2.775**).
44. **Adedara IA**, Abolaji AO, Idris UF, Olabiyi BF, Onibiyo EM, Ojuade TD, Farombi EO. (2017) Neuroprotective influence of taurine on fluoride-induced biochemical and behavioral deficits in rats. *Chemico-Biological Interactions* 261:1-10 (**Impact Factor: 5.192**).
45. **Adedara IA**, Ojuade TJ, Olabiyi BF, Idris UF, Onibiyo EM, Ajeigbe OF, Farombi EO. (2017) Taurine ameliorates renal oxidative damage and thyroid dysfunction in rats chronically exposed to fluoride. *Biological Trace Element Research* 175:388-395 (**Impact Factor: 3.738**).
46. **Adedara IA**, Abolaji AO, Ladipo EO, Fatunmibi OJ, Abajingin AO, Farombi EO. (2017) 4-Vinylcyclohexene diepoxide disrupts sperm characteristics, endocrine balance and redox status in testes and epididymis of rats. *Redox Report* 22:388-398 (**Impact Factor: 4.412**).
47. Salihu M, Ajayi BO, **Adedara IA**, de Souza D, Rocha JB, Farombi EO. (2017) 6-Gingerol-rich fraction from *Zingiber officinale* ameliorates carbendazim-induced endocrine disruption and toxicity in testes and epididymis of rats. *Andrologia* 49(5) DOI: 10.1111/and.12658 (**Impact Factor: 2.775**).
48. Abolaji AO, Awogbindin IO, **Adedara IA**, Farombi EO. (2017) Insecticide chlorpyrifos and fungicide carbendazim, common food contaminants mixture, induce hepatic, renal, and splenic

oxidative damage in female rats. *Human and Experimental Toxicology* 36(5):483-493 (**Impact Factor: 2.903**).

49. Abolaji AO, **Adedara IA**, Abajingin AO, Fatunmibi OJ, Ladipo EO, Farombi EO. (2016) Evidence of oxidative damage and reproductive dysfunction accompanying 4-vinylcyclohexene diepoxide exposure in female Wistar rats. *Reproductive Toxicology* 66:10-19 (**Impact Factor: 3.143**).
50. Ajayi BO, **Adedara IA**, Farombi EO. (2016) Benzo(a)pyrene induces oxidative stress, pro-inflammatory cytokines, expression of nuclear factor-kappa B and deregulation of wnt/beta-catenin signaling in colons of BALB/c mice. *Food and Chemical Toxicology* 95:42-51 (**Impact Factor: 6.023**).
51. Soetan KO, **Adedara IA**, Farombi EO (2016) Lablab purpureus seeds disrupt hepatic and renal antioxidant status in male rats. *Folia Veterinaria* 60: 11-19 (Slovakia).
52. Farombi EO, **Adedara IA**, Awoyemi OV, Njoku CR, Micah GO, Esogwa CU, Owumi SE, Olopade JO. (2016) Dietary protocatechuic acid ameliorates dextran sulphate sodium-induced ulcerative colitis and hepatotoxicity in rats. *Food and Function*. 7:913-921 (**Impact Factor: 5.396**).
53. **Adedara IA**, Abolaji AO, Odion BE, Omolaja AA, Okwudi IJ, Farombi EO. (2016). Redox status of the testes and sperm of rats following exposure to 2,5-hexanedione. *Redox Reports* 21:239-47 (**Impact Factor: 4.412**).
54. **Adedara IA**, Abolaji AO, Rocha JB, Farombi EO. (2016). Diphenyl diselenide protects against mortality, locomotor deficits and oxidative stress in Drosophila melanogaster model of manganese-induced neurotoxicity. *Neurochemical Research* 41:1430-1438 (**Impact Factor: 3.996**).
55. **Adedara IA**, Rosemberg DB, Souza DO, Farombi EO, Aschner M, Rocha JB. (2016). Neuroprotection of luteolin against methylmercury-induced toxicity in lobster cockroach *Nauphoeta cinerea*. *Environmental Toxicology and Pharmacology* 42:243-251 (**Impact Factor: 4.860**).
56. **Adedara IA**, Rosemberg DB, de Souza D, Farombi EO, Aschner M, Souza DO, Rocha JB. (2016). Neurobehavioral and biochemical changes in *Nauphoeta cinerea* following dietary exposure to chlorpyrifos. *Pesticides Biochemistry and Physiology* 130:22-30 (**Impact Factor: 3.963**).
57. Lovato FL, de Oliveira CR, **Adedara IA**, Barbisan F, Moreira KL, Dalberto M, da Rocha MI, Marroni NP, da Cruz IB, Costabeber IB. (2016) Quercetin ameliorates polychlorinated biphenyls-induced testicular DNA damage in rats. *Andrologia* 48:51-58 (**Impact Factor: 2.775**).
58. Oyagbemi AA, Omobowale TO, Saba AB, **Adedara IA**, Olowu ER, Akinrinde AS, Dada RO. (2016). Gallic acid protects against cyclophosphamide-induced toxicity in testis and epididymis of rats. *Andrologia*. 48: 393-401 (**Impact Factor: 2.775**).
59. Salihu M, Ajayi BO, **Adedara IA**, Farombi EO. (2016) 6-Gingerol-rich fraction from *Zingiber officinale* prevents hematotoxicity and oxidative damage in kidney and liver of rats exposed to carbendazim. *J Diet Suppl*. 13:433-448. (**Impact Factor: 1.702**).

60. Farombi EO, **Adedara IA**, Forcados GE, Anao OO, Agbowo A, Patlolla AK. (2016). Responses of testis, epididymis, and sperm of pubertal rats exposed to functionalized multiwalled carbon nanotubes. *Environmental Toxicology* 31:543-551 (**Impact Factor: 4.119**).
61. Adeogun AO, **Adedara IA**, Farombi EO. (2016) Evidence of elevated levels of polychlorinated biphenyl congeners in commonly consumed fish from Eleyele Reservoir, Southwestern Nigeria. *Toxicology and Industrial Health* 32:22-29 (**Impact Factor: 2.273**).
62. **Adedara IA**, Klimaczewski CV, Barbosa NB, Farombi EO, Souza DO, Rocha JB. (2015). Influence of diphenyl diselenide on chlorpyrifos-induced toxicity in *Drosophila melanogaster*. *Journal of Trace Elements in Medicine and Biology* 32:52-59 (**Impact Factor: 3.849**).
63. **Adedara IA**, Rosemberg DB, Souza DO, Kamdem JP, Farombi EO, Aschner M, Rocha JBT (2015) Biochemical and behavioral deficits in the lobster cockroach *Nauphoeta cinerea* model of methylmercury exposure. *Toxicology Research* 4: 442-451 (**Impact Factor: 3.524**).
64. Akinyemi AJ, **Adedara IA**, Thome GR, Morsch VM, Rovani MT, Mujica LKS, Duarte T, Duarte M, Oboh G, Schetinger MRC (2015). Dietary supplementation of ginger and turmeric improves reproductive function in hypertensive male rats. *Toxicology Reports* 2: 1357–1366 (USA).
65. Barbosa-Filho VM, Waczuk EP, Leite NF, Menezes IR, da Costa JG, Lacerda SR, **Adedara IA**, Coutinho HD, Posser T, Kamdem JP. (2015). Phytocompounds and modulatory effects of *Anacardium microcarpum* (cajuí) on antibiotic drugs used in clinical infections. *Drug Design, Development and Therapy* 9:5965-5972 (**Impact Factor: 4.162**).
66. Abolaji AO, **Adedara IA**, Soladogun A, Salau V, Oguaka M, Farombi EO. (2015). Exposure to 2,5-hexanedione is accompanied by ovarian and uterine oxidative stress and disruption of endocrine balance in rats. *Drug and Chemical Toxicology* 38:400-407 (**Impact Factor: 3.356**).
67. **Adedara IA**, Owoeye O, Aiyegbusi MA, Dagunduro JO, Daramola YM, Farombi EO. (2015). Kolaviron protects against benzo[a]pyrene-induced functional alterations along the brain-pituitary-gonadal axis in male rats. *Environmental Toxicology and Pharmacology* 40:459-70 (**Impact Factor: 4.860**).
68. Ajayi BO, **Adedara IA**, Farombi EO. (2015). Pharmacological activity of 6-Gingerol in dextran sulfate sodium-induced ulcerative colitis in BALB/c mice. *Phytotherapy Research* 29:566-572. ((**Impact Factor: 5.878**)).
69. **Adedara IA**, Daramola YM, Dagunduro JO, Aiyegbusi MA, Farombi EO. (2015). Renoprotection of kolaviron against benzo(a)pyrene-induced renal toxicity in rats. *Renal Failure* 37:497-504. (**Impact Factor: 2.606**).
70. **Adedara IA**, Awogbindin IO, Adesina AA, Oyebiyi OO, Lawal TA, Farombi EO. (2015). Municipal landfill leachate-induced testicular oxidative damage is associated with biometal accumulation and endocrine disruption in rats. *Archives of Environmental Contamination and Toxicology* 68:74-82. (**Impact Factor: 2.804**).

71. Farombi EO, Abolaji AO, **Adedara IA**, Maduako I, Omodanisi I. (2015). Artemisinin induces hormonal imbalance and oxidative damage in the erythrocytes and uterus but not in the ovary of rats. *Human and Experimental Toxicology* 34:83-92. **(Impact Factor: 2.903)**.
72. Farombi EO, Abolaji AO, **Adedara IA**, Soladogun A, Salau V and Oguaka M (2014) Oxidative stress and changes in antioxidative defence system in erythrocytes of female rats exposed to 2, 5-hexanedione. *Archives of Basic and Applied Medicine* 2: 29- 33.
73. Abolaji AO, **Adedara IA**, Soladogun A, Salau V, Oguaka M, Farombi EO. (2015). Exposure to 2,5-hexanedione is accompanied by ovarian and uterine oxidative stress and disruption of endocrine balance in rats. *Drug and Chemical Toxicology* 38:400-407 (USA). **(Impact Factor: 3.356)**.
74. Owoeye O, **Adedara IA**, Adeyemo OA, Bakare OS, Egun C, Farombi EO. (2015). Modulatory role of kolaviron in Phenytoin-induced hepatic and testicular dysfunctions in Wistar rats. *Journal of Dietary Supplements* 12:105-117. **(Impact Factor: 1.702)**.
75. **Adedara IA**, Awogbindin IO, Anamelechi JP, Farombi EO. (2014). Garcinia kola seed ameliorates renal, hepatic, and testicular oxidative damage in streptozotocin-induced diabetic rats. *Pharmaceutical Biology* 53:695-704. **(Impact Factor: 3.503)**.
76. **Adedara IA**, Abolaji AO, Odion BE, Okwudi IJ, Omoloja AA, Farombi EO. (2014). Impairment of hepatic and renal functions by 2,5-hexanedione is accompanied by oxidative stress in rats. *Journal of Toxicology* 2014:239240. DOI: 10.1155/2014/239240. (United Kingdom).
77. **Adedara IA**, Farombi EO. (2014) Kolaviron protects against ethylene glycol monoethyl ether-induced toxicity in boar spermatozoa. *Andrologia* 46:399-407. **(Impact Factor: 2.775)**.
78. Owoeye O, **Adedara IA**, Bakare OS, Adeyemo OA, Egun C, Farombi EO. (2014). Kolaviron and vitamin E ameliorate hematotoxicity and oxidative stress in brains of prepubertal rats treated with an anticonvulsant phenytoin. *Toxicology Mechanisms and Methods* 24:353-361. **(Impact Factor: 2.987)**
79. **Adedara IA**, Lawal TA, Adesina AA, Oyebiyi OO, Ebokaiwe AP, Farombi EO. (2014). Sperm functional parameters and erythrocytes oxidant-antioxidant imbalance during municipal landfill leachate treatment withdrawal in rats. *Environmental Toxicology and Pharmacology* 37:460-467 **(Impact Factor: 4.860)**
80. **Adedara IA**, Nanjappa MK, Farombi EO, Akingbemi BT. (2014). Aflatoxin B1 disrupts the androgen biosynthetic pathway in rat Leydig cells. *Food and Chemical Toxicology* 65:252-259 **(Impact Factor: 6.023)**.
81. **Adedara IA**, Ebokaiwe AP, Mathur PP, Farombi EO. (2014). Nigerian bonny light crude oil induces endocrine disruption in male rats. *Drug and Chemical Toxicology* 37:198-203. **(Impact Factor: 3.356)**
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