

FAGBENRO SILAS OLUKUNLE

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Academic qualifications:

- a. Ph.D. Cell Biology and Genetics, University of Ibadan, Ibadan. 2023
- b. M.Sc. Cell Biology and Genetics, University of Ibadan. 2015
- c. B.Sc. (Hons) Cell Biology and Genetics, University of Lagos 2011

Work experience:

- a. **Tutorial Assistant**, Department of Zoology, University of Ibadan, Ibadan, Nigeria. 2018 – November, 2023
- b. **Graduate Student / Research Assistant**, Genetics Research Laboratory, Department of Zoology, University of Ibadan. 2014 – December, 2023.
- c. **Research Intern**, Genetics research laboratory, Department of Cell Biology and Genetics, University of Lagos. 2010 – 2011.

Selected publications:

- a. Adeyanju, A.A., **Fagbenro, S.O.**, Alimba, C.G., and Odunlami B.A. 2023. Protective effect of protocatechuic acid in genotoxicity-induced by carbon tetrachloride: a preliminary study. *Advances in Clinical Toxicology*. www.doi.org/10.23880/act-16000273
- b. Bakare, A.A., Moses, V.Y., Beckely, C.T., Oluyemi, T.I., Ogunfeitimi, G.O., Adelaja, A.A., Ayorinde, G.T., Gbadebo, A.M., **Fagbenro, O.S.**, Ogunsuyi, O.I., Ogunsuyi, O.M. and Ige, O.M. (2022). The first-line antituberculosis drugs, and their fixed-dose combination induced abnormal sperm morphology and histological lesions in the testicular cells of male mice. *Frontiers in Cell and Developmental Biology*. www.doi.org/10.3389/fcell.2022.1023413
- c. Bakare, A.A., Akpofure, A., Gbadebo, A.M, **Fagbenro, O.S.** and Oyeyemi, I.O. (2021). Aqueous extract of *Moringa oleifera* Lam. induced mitodepression and chromosomal aberration in *Allium cepa*, and reproductive genotoxicity in male mice. *Advances in Traditional Medicine*. www.doi.org/10.1007/s13596-021-00564-9

- d. **Fagbenro, S.O.**, Alimba, C.G., Bakare, A.A. (2019). Experimental modeling of the acute toxicity and cytogenotoxic fate of composite mixtures of chromate, copper and arsenate oxides associated with CCA preservative using *Clarias gariepinus* (Burchell 1822). *Environmental Analysis Health and Toxicology*. www.doi.org/10.5620/eh.t.e2019010
- e. Alimba, C. G., Ajiboye, R. D. and **Fagbenro, S. O.** (2017). Dietary ascorbic acid reduced micronucleus and nuclear abnormalities in *Clarias gariepinus* (Burchell 1822) exposed to hospital effluent. *Fish Physiology and Biochemistry*. www.doi.org/10.1007/s10695-017-0375-y

Conferences attended and abstract read:

- a. **Fagbenro, S. O.**, Alimba, C. G., Bakare, A. A. 2022. Inheritance of somatic DNA damage by municipal landfill leachate in the F1 of *Mus musculus*. Oral presentation at the 2022 annual scientific conference of the Zoological Society of Nigeria held at University of Lagos, Lagos State on 27 – 30 November 2022.
- b. **Fagbenro, S.O.**, Alimba, C.G. and Bakare, A.A. (2022). Municipal landfill leachate induced dominant lethal mutation and reproductive abnormalities in mice. Book of Abstract, Society for Experimental Biology of Nigeria (NISEB) conference. 30th August – 2nd September, 2022
- c. **Fagbenro, S.O.**, Alimba, C.G. and Bakare, A.A. (2022). Municipal landfill leachate induced teratogenic and developmental toxicity in mice. Book of Abstract, Biotechnology Society of Nigeria (BSN) conference. 8th – 10th June, 2022
- d. **Fagbenro, S.O.**, Alimba, C.G. and Bakare, A.A. (2022). Municipal landfill leachate induced teratogenic and developmental toxicity in mice. Book of Abstract, Biotechnology Society of Nigeria (BSN) conference. 8th – 10th June, 2022
- e. Alimba, C.G., **Fagbenro, S.O.** and Bakare, A.A. (2017). Experimental modeling of acute toxicity, genotoxicity and cytotoxicity of chromated copper arsenate in aquatic organism using *Clarias gariepinus* (Burchell, 1822). Book of Abstract, Society of Environmental Toxicology and Chemistry (SETAC) held in Nigeria. 17th – 19th October, 2017.
- f. **Fagbenro, S.O.**, Alimba, C.G. and Bakare, A.A. (2016). Comparative cytotoxicity and genotoxicity of CrO₃, CuO and As₂O₃: elemental components of Chromated Copper Arsenate (CCA), in *Clarias gariepinus* (Burchell, 1822). Book of Abstract, Inter-University conference for doctoral studies on collaborative research. 18th – 22nd July, 2016. Page 70.

- g. **Fagbenro, S.O.**, Alimba, C.G., and Bakare, A.A. (2016). Interactive effects of chromium, copper and arsenate in the induction of micronucleus and nuclear abnormalities in *Clarias gariepinus* (Burchell, 1822). Book of Abstract, West African Society of Toxicology (WASOT) conference. 9th – 12th February, 2016. Page 60.
- h. Alimba, C.G., Chikeluba A.I., Nwokejiegbe, E.G., and **Fagbenro, S.O.** (2011) Geneotoxic, haematological and histopathological changes induced by a pharmaceutical effluent in *Clarias gariepinus*. Book of Abstract Nigerian Society of Experimental Biology (NISEB) conference 28th – 31st March, 2011. Page 56 – 57.

Courses attended with dates:

- a. May, 2022 – December, 2022. **Bioinformatics training**. H3ABioNet Pan African Bioinformatics Network, University of Cape Town.
- b. November 12 – 14, 2019. **Short course on Environmental Epidemiology and Exposure Assessment**. International Society for Environmental Epidemiology Africa Chapter.
- c. September, 23 – 27, 2019. **Application of spectrophotometry in biological and biomedical research**. The Postgraduate College, University of Ibadan, Ibadan.
- d. May 14 – 16, 2019. **Capacity building workshop for early career and postgraduate researchers in science and technology**. University of Ibadan, Ibadan.
- e. May 7 – 11, 2019. **National training workshop on current techniques in genetic toxicology**. Genetic Toxicology of Nigeria (GTAN).
- f. May 2 – 4, 2018. **Responsible conduct of research workshop**. Medical Education Partnership Initiative in Nigeria (MEPIN), University of Ibadan, Ibadan, Nigeria
- g. April 24 – 26, 2018. **Bibliography Workshop**. Medical Education Partnership Initiative in Nigeria (MEPIN), University of Ibadan, Ibadan, Nigeria
- h. April 16 – 19, 2018. **Research Design and Methodology Workshop**. Medical Education Partnership Initiative in Nigeria (MEPIN), University of Ibadan, Ibadan, Nigeria
- i. January 16 – 18, 2018. **Basic research skills in life sciences workshop**. iSci-Africa/Postgraduate School, University of Ibadan, Ibadan, Nigeria
- j. December 12 – 15, 2017. **Bio-ethics workshop**. Medical Education Partnership Initiative in Nigeria (MEPIN), University of Ibadan, Ibadan, Nigeria

- k. July, 2016. **Applications of bioinformatics and genomics to translational research in health and agriculture.** University of Ibadan, Ibadan, Nigeria

Membership of learned professional societies:

- a. Society of Toxicology (SOT)
- b. West African Society of Toxicology (WASOT)
- c. African Society of Human Genetics (AfSHG)
- d. Genetic Toxicology Association of Nigeria (GTAN)
- e. Nigerian Society of Experimental Biology (NISEB)

Extra-Curricular activities:

Reading, travelling and sports

Names and address of three (3) referees: