
BALOGUN Elizabeth A.

Degree: B.Sc., M.Sc., Ph.D.
Email: ea-balogun@yahoo.com
Telephone: +234-803-358-9068
Fax: 234-39-243045
Department: Biochemistry
Academic Rank: Professor
Current position: H.O.D Biochemistry
Research Interest: Biochemical Toxicology



DETAILED RESUME

ACADEMIC DEGREES WITH DATE

- B. Sc. 1976
- M.Sc. Nutritional Biochemistry 1979
- Ph.D. Biochemistry 1996
- PGDE 2006

INSTITUTIONS ATTENDED WITH DATE

- University of Ibadan: 1972-1976
- University of Ibadan: 1977-1978
- University of Ilorin: 1992-1996
- NTI; Affld with Uthsman Dan Fodio University, Sokoto: 2006

MEMBERSHIP OF PROFESSIONAL BODIES

- Member of Science Association of Nigeria
- Member of Nutrition Society of Nigeria
- Member of Nigerian Society for Biochemistry and Molecular Biology.

PRIZES, HONOURS, NATIONAL AND INTERNATIONAL RECOGNITIONS.

- Federal Government Scholarship for Undergraduate Study 1972-1976
- Best Student at the Masters Degree Programme
- University of Ibadan Scholarship for Postgraduate Study 1978
- Federal Government of Nigeria Postgraduate Scholarship Award 1978

COURSES TAUGHT***TEACHING EXPERIENCE***

Science Teacher at the International School,

University of Ibadan, Ibadan 1978-1979.

Assistant Lecturer, Department of Physiology &

Biochemistry, University of Ilorin, Ilorin 1980-1983.

Lecturer II, Department of Physiology & Biochemistry,

University of Ilorin, Ilorin. 1983-1987.

Lecturer I, Department of Physiology & Biochemistry,

University of Ilorin, Ilorin. 1987-1994

Senior Lecturer, Department of Physiology &

Biochemistry, University of Ilorin, Ilorin 1994-1997

Senior Lecturer, (Sabbatical Appointment),

Department of Biochemistry, Ladoke Akintola

University of Technology, Ogbomosho. 1997

COBES INSTRUCTOR 1980 to Date

Reader, Department of Physiology & Biochemistry,

University of Ilorin, Ilorin. 1997-2000

Professor, Department of Physiology & Biochemistry,

University of Ilorin, Ilorin 2000 to 2006

Visiting Professor, Department of Biochemistry,

University of Agriculture Abeokuta 2007 to date

RESEARCH CONDUCTED

(a) COMPLETED

1. Sensitivity of 3-Methylhistidine to some amino acids deprivation in rats.
2. Investigation of some factors exerting hypocholesterolemic effects in plant proteins.
3. Effects of amino acid utilization in rabbits.
4. Evaluation of some baby foods in Nigeria.
5. Activities of some leucocytes enzymes in children.
6. Biochemical effects of anti-malarial drugs in malaria infections.
7. Synthesis and in vivo trials of some drug metal complexes as anti-malaria drugs.

(b) IN PROGRESS

8. Effects of some antibiotics on serum enzymes in neonates.
9. Toxicology of anti-malarial drugs in animal models.
10. Screening and toxicology effects of local herbs on malarial parasites,

PUBLICATIONS

1. Balogun O.O. and Balogun E.A. (1982); Sensitivity of 3-Methylhistidine to Methionine and Lysine deprivation in rats. *Ircs Med. Sci. (Biochemistry)* 10, 185-186.
2. Balogun E.A., Balogun O.O. and Odutuga A.A. (1982) Arginine; Lysine Ratio as a contributory factor to the hypocholesteromic effects of plant protein sources. *Ircs Med. Sci. (Biochemistry)* 10, 643-644.
3. Balogun E.A., Balogun O.O. and Adetunji A.A. (1982); Effect of amino acid supplementation of a protein free diet on growth and nitrogen economy of rabbits. *Nutrition Rep. Int.* 26, 1095-1105.
4. Balogun O.O., Balogun E.A. and Longe O.O. (1983); Response of the tissues of new Zealand white rabbits to supplementation of amino acids to a protein free diet. *Nutrition Rep. Int.* 27 (6), 1135-1142.
5. Balogun O.O., Ogunleye A.J., Balogun E.A. and Longe O.O. (1983); Effects of amino acid supplementation of a protein-free diet on the activation of liver and brain enzymes in rabbits. *Nutrition Rep. Int.* 28, 277-286.
6. Balogun, O.O. and Balogun E.A. (1983): The feeding potential of African locust bean (*parkia filicoidea* welw.) meal in rabbits. *Nutr. Rep. Int.* 27, 1231-1242.
7. Balogun O.O. Adeleye, A.A and Balogun E.A. (1984). Further studies on the urinary 3-methylhistidine excretion as an indirect index of dietary amino acid adequacy in rats. *Nig. J. Of Animal Prod.* 10, 87-90.
8. Balogun E.A., Ogunleye A.J. and James O.A. (1994): Cellular changes in composition of testes of rats fed on diets deficient in zinc and essential fatty acids. *Biosci. Res. Commun.* 6(2), 127-132.
9. Balogun O.O., Balogun E.A., Fetuga B.L. and Ayoola Y. (1994): Comparative evaluation of the nutritive values of some baby cereal foods. *Nig. Food J.* 12, 24-33.

10. Malomo S.O., Daramola A.S. and Balogun E.A. (1995): Some serum and tissue enzyme changes in mice infected with plasmodium yoelii nigeriensis before and after administration of Halofantrine Hydrochloride. Nig. J. Biochemistry Mol. Bio. Vol. 10, 71-77.
11. Balogun E.A., Malomo S.O. and Akanji M.A. (1995): Some tissue enzyme activity changes in mouse infected with parasite. Nig. J. Biochemistry Mol. Bio. Vol. 10, 53-56.
12. Balogun E.A., Malomo S.O., Akanji M.A. and Odutuga A.A. (1996): Effect of infection with Plasmodium Yoelii Nigeriensis on some enzyme activities in mouse serum. Nig. J. Biochemistry Mol. Bio. Vol. 11, 53-55
13. Balogun E.A. and Malomo S.O. (1996): The effect of fansidar on aminotransferases in the serum and tissues of mice following infection with Plasmodium Yoelii Nigeriensis. Nig. J. Biochemistry Mol. Vol. 11, 31-34.
14. Obaleye J.A., Nde-Aga J.B. and Balogun E.A. (1997): Some anti-malaria drug metal complexes; synthesis characterization and their in vivo evaluation against malaria parasite. African J. of Science Vol. 1, 119-127.
15. Balogun E.A., Malomo S.O. and Mokoulu G. (1997): Activities of some leukocyte enzymes from normal and sickle cell children. West Africa J. Bio. Science Vol. 6(2), 196-201.
16. Balogun E.A. and Malomo S.O. (1997): Comparative effect of chloroquine and Halfan administration on some mouse tissues. Nig. J. Biochemistry Mol. Bio. Vol. 12, 67-71.
17. Balogun E.A., Malomo S.O., Akanji M.A. and Odutuga A.A. (1997): Changes in adenosine triphosphatase activities in some tissues of Plasmodium infected mice. Biochemical Letters Vol. 56, 183-197.
18. Balogun E.A. and Odutuga A.A. (1998): The effect of fansidar on Adenosine Triphosphatase activities in some tissues of *Plasmodium* infected mice. Biochemistry Vol. 8 No. 1:33-37.

19. Balogun E.A. and Malomo S.O. (1998): Biochemical changes in serum and tissues of mice infected with *Plasmodium Yoelii Nigeriensis* before and after administration of Amodiaquine. *Biokemistri* Vol.8, No.2, 61-68.
20. Olaleye S.B., Ajisafe B.O., Balogun E.A. and Soladoye A.O. (1998): The effect of Propanol on the intestinal transport glucose in Thyroidectomised and Thyroxin-treated rats. *Bio Science Res. Commun.* Vol.10, No.4, 277-282.
21. Balogun E.A. and Akanji M.A. (1998): The Effect of Fansidar on some tissue phosphatases and dehydrogenases of mice following infection with *Plasmodium Yoelii Nigeriensis*. *Biokemistri* Vol.8, No. 1, 45-50.
22. Balogun E.A. (1999): Effects of Plasmodium infection and Fansidar treatment on the histology of some mouse tissues. *Bio Science Res. Commun.* Vol.11, No 2, 147-152.
23. Enaibe B.U., Balogun E.A. and Oyedun A.R. (1999): Effect of Pyrimethamine-Sulfalene combination (Metakelfin) on the liver of mature mice (*Murindae Murinae*). *Bio Science Res. Commun.* Vol.11, No.2, 153-157.
24. Obaleye J.A., Balogun E.A. and Adeyemi O.G. (1999): Synthesis and in vivo effect of some metal drug complexes on malaria parasites. *Biokemistri* Vol.9, No.1, 23-27.
25. Balogun E.A. and Malomo S.O. (1999): Effect of chronic administration Fansimef on serum and some tissue enzymes in albino rats. *Nig. J. Biochemistry Mol. Bio.* Vol. 14, 83-85.
26. Balogun E.A. and Mokoulu O. (2000): Evaluation of Plasma enzymes in neonates treated with Sulbactam Sodium/Ampicillin Sodium. *Biochemistry Mol. Bio.* Vol. 15, 1, 65-69.
27. Obaleye J.A., Balogun E.A. and Adeyemi O.G. (2001): Some metal Tetracycline Complexes; Synthesis, Characterization and their effect against malaria parasites. *Intern. Jor. Of Chem.* Vol. 11. No.2, 101-106.

28. Balogun E.A., Togun V.A.B. and Owoleye B.V. (2003): Anti-fertility and biochemical effects of chronic administration of Halofantrine Hydrochloride in miller juice on selected male albino rat. Nig. J. of Bcm&Mol. Vol.18 No.2 Pp 111-113.
29. Obaleye J.A. S.A Amolegbe, E.A. Balogun, S.G. Gbotosho and F. Falade (2004): Synthesis and in vivo evaluation of Fe (111), Co (11) and Zinc (11): Complexes of Mefloquine against Plasmodium (Nk 65 Clonne) in animal model. Proc. Of Int. Conference of Chemical Society of Nigeria. Pp 70-73.
30. Owoyele V.B., Y.Y. Oloriegbe, and E.A. Balogun, A.O. Soladoye (2005): Analgesic and Anti-Inflammatory properties of *Nelsonia Canascens* leaf extracts. Jour. Of Ethno pharmacology. Vol.99 (1) 153-156.
31. Owoyele,V.B.,Jimoh,S.A.;Ogunrombi,A.O. Balogun,E.A. and Soladoye,A.O.(2006) Haematological evaluation of aqueous extract of Tithonia diversifolia in Wistar Rats.Rec. Progre. In Med. Plts.Vol.13 pg.411-419.
32. Adesokan,A.A.;Akanji,M.A.,BalogunE.A.and Aderibigbe A.(2006).Effectof oral administration of Aloe barbadensis miller juice on selected biochemical parameters of rat liver and kidney.Rec.Prog.in Med..Plt Vol.13 pp 73-80
33. Balogun,E.A.and Adebayo,J.O.(2007)Effect of ethanolic extract *Danilla oliveri* leaves on some cardiovascular indices in rats.Pharmacognosy Mag.Iss I pp16-20.
34. Obaleye,J.A.;Akinremi,C.A.;BalogunE.A.and Adebayo,J.O.(2007).Toxicological studies and antimicrobial properties of some iron(111)Complexes of Ciprofloxacin.Afric. Jn of Biotec. Vol6(24) pp2826-2832.
35. Zailani, A.H., Balogun, E.A. and Adebayo, J.O. (2009). Ethanol extract of *Clerodendrum Violaceum* Gurke leaves enhances kidney function in mouse model malaria. Ind. Jrn. Of Expr. Biol. Vol. 47, pp 349-354.

36. Adebayo, J.O., Balogun, E.A. and Oyeleye, S.A. (2009). Toxicity study of aqueous extract of *Tithonia diversifolia* leaves using selected biochemical parameters in rats. *Phcog. Res.* VOL. pp 143-147.

MAJOR CONFERENCES ATTENDED WITH PAPERS READ

1. 7th Biennial Conference of the Network of Community-Oriented Educational Institutions for Health Sciences, held at the University of Ilorin, Ilorin, (September 22-27, 1991).
 2. Yearly Annual Conference of the Nigerian Society of Biochemistry and Mol. Biology (1999 to Date)
 3. Biannual conference of Nigerian Society of Experimental Biology .(2002,2004).
-
-