

I. Full Names: Musbau Adewumi **AKANJI**

II. Place & Date of Birth: Offa, Kwara State & 4th January, 1953

III. Current Addresses:

Postal: Vice- Chancellor's Office,
Federal University of Technology,
PMB 69,
Minna, Nigeria.

e- mail: akanjima@futminna.edu.ng ; akanjima@gmail.com

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IV. Marital Status: Married

V. Number of Children (with Names & Ages):

Three (3)

1. Dr Musbau Obafemi Akanji; 32years
2. Mr Mutalib Olusola Akanji; 30years
3. Mr Maroof Olukayode Akanji; 28years

VI. Nationality: Nigerian

VII. Institutions Attended (with dates) :

1. Offa Grammar School, Offa. Jan. 1965 – Dec. 1969
2. Olivet Baptist High School, Oyo. Jan. 1970 – Dec. 1971
3. University of Ibadan, Ibadan. Sept. 1972 – Jun. 1975
4. University of Ife, Ile – Ife. Oct. 1979 – Jun. 1981
5. University of Ife, Ile – Ife. Oct. 1983 – Jun. 1986
(now Obafemi Awolowo University)

VIII. Academic Qualifications (with dates):

1. WASC (Ordinary Level) Dec. 1969
2. GCE (Advanced Level) Dec. 1971
3. B. Sc. (Hons), Second Class Upper Division, Jun. 1975
4. M. Sc. (Biochemistry) Nov. 1982
5. Ph. D. (Biochemistry) Aug. 1986

IX. Working Experience in the University System (giving names of Institution(s) and dates):

A. Teaching

1. Lecturer I (Department of Biochemistry) University of Ilorin, Ilorin, Sept 1986 - Sept. 1988.
2. Senior Lecturer, (Department of Biochemistry) University of Ilorin, Ilorin, Oct. 1988 – Sept. 1990.

3. Reader, (Department of Biochemistry) University of Ilorin, Ilorin, Oct. 1990 – Sept. 1993.
4. Professor, (Department of Biochemistry) University of Ilorin, Ilorin, Oct, 1993 - to date.
5. Visiting Professor, (Department of Biochemistry) Ondo State University, (now Ekiti State University), Ado – Ekiti, Oct. 1995 – April 1997.
6. Visiting Professor, (Department of Medical Biochemistry), Faculty of Basic Medical Sciences, College of Health Sciences, Delta State University, Abraka, April 2004 – Aug., 2005.
7. Part- Time Lecturer, Department of Biochemistry, Kogi State University, Anyigba, Oct. 2008 – Oct., 2011.
8. Part- Time Lecturer, Fountain University, Osogbo, Oct. 2008 – Sept. 2010.

Between 1986 and 2012, I have taught various Biochemistry courses at Undergraduate and Postgraduate Levels

B Research

Major areas of Research:

1. Toxicology of chemical compounds including drugs
2. Mechanism of drug – cell interactions
3. Parasite Biochemistry
4. Phytomedicine

C Postgraduate Project Supervision

(i) Master's Theses Supervised

1. Saliu, NB (1990) Interaction of Kanamycin – an aminoglycoside antibiotic with rat tissues cellular system.
2. Olagoke, OA (1991) Mode of cellular toxicity of sodium metabisulphite in some rat tissues.
3. Ipinmoye, IT (1993) Protective role of selenium in metabisulphite- induced tissue damage in rat.
4. Abubakar, A (1997) Effect of *Trypanosoma brucei* infection on the lipid profile of rat erythrocyte ghost membrane.
5. Yakubu, MT (1997) Effect of administration of α -tocopherol on some enzyme activities in selected tissues of metabisulphite treated rats.
6. Olajide, JE (1998) Effect of administration of acetylsalicylic acid on some enzyme activities in tissues of metabisulphite – treated rats.
7. Sanni, M (1998) Effect of chronic consumption of *kaun* on rat tissue cellular system.
8. Ibrahim, HI (1999) Mode of cellular toxicity of inorganic lead in selected tissues of rats.
9. Onyejekwe, FA (2000) Effect of sodium metabisulphite on the stability of rat lysosomal membrane *in vitro* and *in vivo*.
10. Aladodo, RA (2002) Effect of prolonged consumption of metabisulphite on phosphatase activities in some rat tissues.
11. Anifaloba, JN (2002) Effect of administration of chloramphenicol on some enzyme activities in rat tissues.
12. Adesokan, AA (2004) Effect of administration of aqueous extract of *Enantia chloranta* on some enzyme activities of selected rat tissue.

13. Nafiu, MO (2004) The mode of cellular toxicity of potassium bromate in some rat tissues.
14. Adesida, A (2005) Effect of administration of α -tocopherol on some enzyme activities in potassium bromate- induced toxicity in selected rat tissues.
15. Folayan, AT (2005) Effect of administration of vitamin C on some enzyme activities in potassium bromate- induced cellular damage in selected rat tissues.
16. Kazeem, MI (2006) Lipid and selected enzymes profile in rat tissues following chronic administration of aqueous extract of *Rauvolfia vomifolia* root.
17. Ayorinde, BT (2007) Effect of chronic administration of aqueous extract of *Tapinanthus globiferus* leaves on some tissue enzymes and serum lipids in albino rats.
18. Salau, AK (2008) Toxicological evaluation of aqueous extract of *Crateva adansonii* leaves in albino rats,
19. Ijaiya, KA (2009) Effect of chronic administration of *kaun* on some rat tissues
20. Ojewuyi, Y (2010) Assessment of erythrocyte as an osmometer

(ii) Doctoral Theses Supervised

1. Sodipo, OA (1989) A biochemical study of the endogenous saponin of *Garcinia kola* (Heckel). [with Prof. AA Odutuga]
2. Ekanem, JT (1993) Some biochemical and haematological changes induced by *Trypanosoma brucei brucei* in rats. [with Prof. AA Odutuga]
3. Balogun, EA (1997) Comparative studies of some biochemical changes induced in *Plasmodium* infected mice treated with some anti- malaria drugs. [with Dr (Mrs) S. O. Malomo and Prof. AA Odutuga]
4. Saliu, NB (1999) Comparative studies on the mode of interaction of some anti-hypertensive drugs with rat tissue cellular system. [with Prof. AA Odutuga]
5. Akintunde, EA (1999) Biochemical alterations on the erythrocyte and extra-erythrocytic environment of *Plasmodium falciparum*- infected children.
6. Adanlawo, IG (2004) Toxicological studies on saponin extract from the fruits of *Solanum anguivi* Lam.
7. Oloyede, OI (2005) Hypoglycaemic potential and toxicological studies on aqueous extract of unripe pulp of *Carica papaya* in alloxan- induced diabetic rabbit.
8. Yakubu, MT (2006) Aphrodisiac potentials and toxicological evaluation of aqueous extract of *Fadogia agrestis* (Schweinf. Ex Hiern) stem in male rats. [with Dr (Mrs) AT Oladiji]
9. Adesokan, AA (2008) Antimalarial activity of aqueous extract of stem bark of *Enantia chlorantha* and evaluation of its toxicological effect in experimental animals.
10. Adeyemi, OS (2011) Anti- trypanosomal activity and toxicological implications of ethanolic extract of *Psidium guajava* leaves in *Trypanosoma brucei brucei* infected rats
11. Nafiu, MO (2011) Antimalarial activities and toxicity evaluation of aqueous extract of *Cochlospermum planchonii* (Hook Ef. X. Planch) root in mice.
12. Oyewo, B (2012) Immunomodulatory activity and toxicological evaluation of aqueous leaf extract of *Andrographis paniculata* in rats.
13. Mordi, JC (2012) Effects of aqueous extract of *Cnidioscolus aconitifolius* leaves on blood alcohol oxidokinetics and associated biochemical changes in rabbits.
14. Suleiman, FA (2012) *In vitro* and *in vivo* trypanocidal effect of selected iron chelators and genetically- induced repression of ribonucleotide reductase.

15. Kazeem, MI. (2012) Antidiabetic and toxicological effects of polyphenols from *Zingiber officinale* rhizome in streptozotocin- induced diabetic rats.
16. Olajide, JE. Studies on the mechanism of toxicity of bromate in rat tissue cellular system *in vitro* and *in vivo*. (awaiting University Senate approval)

X. Membership of Learned Societies and Professional Bodies

1. Member, Science Association of Nigeria.
2. Member, Nigerian Society of Biochemistry and Molecular Biology.
3. Member, Nigerian Society for Experimental Biology.
4. Member, Local Society Initiative (on Issues in Science, Religion and the Environment).
5. Fellow, Nigerian Society of Biochemistry and Molecular Biology, 2009.

XI. Publications

A. Edited Books

1. Abubakre, RD; **Akanji, MA** and Akanmidu, RA (1994) **Readings in General Studies in Nigeria**. University of Ilorin Library and Publication Committee, Ilorin, Nigeria. **300pgs.**
2. **Akanji, MA** and Jolayemi, ET (2002) **Leading Issues in General Studies: Humanities and Social Sciences**, University of Ilorin, General Studies Division, Ilorin, Nigeria. **248pgs.**
3. **Akanji, MA** and Jolayemi, ET (2002) **History and Philosophy of Science: General Studies Approach**, University of Ilorin General Studies Division, Ilorin, Nigeria. **157pgs.**
4. Dopamu, PA, Oyewole, SO, Akanmidu, RA, **Akanji, MA**, Ogunade, RO, Abubakre, RD, Oloyede, IO and Lawal, B (2003) **African Culture, Modern Science and Religious Thought**. African Centre for Religions and the Sciences, Ilorin, Nigeria. **693pgs.**
5. Lasisi, RO and **Akanji, MA** (2009) **History and Philosophy of Science in General Studies**, The General Studies Division, University of Ilorin, Ilorin, Nigeria. **166pgs.**

B. Chapters in Books

6. **Akanji, MA** (1994) A reflection on the nature of scientific methods. In: **Readings in General Studies in Nigeria**. (Ed. RD Abubakre, MA Akanji and RA Akanmidu). Unilorin Library and Publications Committee, Ilorin, **pp. 18 - 26.**
7. **Akanji, MA** and Yakubu, MT (2002) Philosophical problems and scientific explanations. In: **History and Philosophy of Science: General Studies Approach**. (Akanji, MA and Jolayemi, ET ed.) University of Ilorin Library and Publication Committee. **pp 28 – 37.**
8. **Akanji, MA** and Yakubu, MT (2009) Philosophical problems and scientific explanations. In: **History and Philosophy of Science in General Studies** (Lasisi, RO and Akanji, MA ed) The General Studies Division, University of Ilorin, Ilorin, **pp 23 – 32.**
9. Yakubu, MT and **Akanji, MA** (2009) Myths and facts about medicinal herbs. In: **History and Philosophy of Science in General Studies** (Lasisi, RO and Akanji, MA ed) The General Studies Division, University of Ilorin, Ilorin, **pp 108 – 117.**
10. Adeyemi, OS, Suleiman, FA and Akanji, MA (2012) Iron and nitric oxide in anemia of chronic disease (ACD). In: **Anemia (Ed. DS Silverberg) InTech- Open Access Publisher, University Campus, STeP Ri, Rijeka, Croatia. Chapter 5, pp 63 – 74.**

C. Books and Monographs

11. **Akanji, MA** (2002) Eat and Die by Little. **61st University of Ilorin Inaugural Lecture**, University of Ilorin Library and Publication Committee, Ilorin, Nigeria. **53pgs.**

D. Journal Articles

12. Ngaha, EO and **Akanji, MA** (1982) Effect of chloroquine on the activity of rat kidney lysosome *in vivo* and *in vitro*. **Comparative Biochemistry and Physiology 73C, 109 - 113.**
13. **Akanji, MA** (1982) Toxicity of a macrofilaricide to rat kidney tubular system: an *in vitro* study. **Proceedings of First National Conference on Onchocerciasis, Kaduna, Nigeria, pp. 73-74.**
14. **Akanji, MA** (1983) Effect of suramin on the stability of rat kidney lysosomal membrane *in vitro*. **IRCS Medical Science 11, 693.**
15. **Akanji, MA** and Ngaha, EO (1983) Urinary alkaline phosphatase levels during chronic chloroquine administration in rats. **IRCS Medical Science 11, 849 - 850.**
16. **Akanji, MA** (1984) Labilising effect of suramin on rat kidney lysosomes *in vivo*. **Toxicology Letters 23, 273 - 277.**
17. **Akanji, MA** (1985) Effect of pentamidine on the urinary excretion of some lysosomal enzymes in rats. **IRCS Medical Science 13, 277 - 278.**
18. **Akanji, MA** (1985) Free fatty acid levels in rats experimentally infected with *Trypanosoma brucei brucei*. **Nigerian Journal of Biochemistry 2, 108 - 110**
19. **Akanji, MA** and Onyekwelu, NA (1985) Effect of repeated administration on alkaline phosphatase activity in rat kidney. **IRCS Medical Science 13, 710.**
20. **Akanji, MA** and Kalu, AU (1986) The effect of *Trypanosoma vivax* infection on serum free fatty acid in domestic goat. **Nigerian Veterinary Journal 15, 93 – 95.**
21. **Akanji, MA** and Onyekwelu, NA (1986) Effect of chronic administration of suramin on the stability of rat liver lysosomes. **Nigerian Journal of Biochemistry 3, 118 - 120.**
22. **Akanji, MA** and Ojo, EO (1986) Suramin-induced inhibition of urinary cathepsin D activity in rats. **Nigerian Journal of Biochemistry 3, 121 - 123.**
23. **Akanji, MA** and Ufomadu, GO (1987) Effect of *onchocercal* infection on some serum enzyme activities in man. **Medical Science Research 15, 75.**
24. **Akanji, MA** and Nlumanze, SE (1987) Alkaline phosphatase activities following repeated suramin administration in some rat tissues in relation to their functions. **Pharmacology and Toxicology 61, 182 - 183.**
25. Oyeleke, OA and **Akanji, MA** (1987) Nutritional Composition /Quality of soyabean. **Proceedings of Workshop on “Soyabean in the Nigerian Diet- Soya Milk”, Ibadan, Nigeria, pp 114 - 128.**
26. **Akanji, MA** and Ufomadu, GO (1987) Application of serum enzyme activities for diagnosis of onchocerciasis in man. **Proceedings of Nigeria– Japan Joint Conference, Jos, Nigeia, pp. 210 - 212.**
27. **Akanji, MA** (1988) Rat kidney lysosomal membrane damage induced by suramin *in vitro* and *in vivo*. **Pharmacology and Toxicology 62, 308 - 321.**
28. **Akanji, MA** and Ngaha, EO (1988) Stability of rat kidney lysosomes induced by homidium *in vitro* and *in vivo*. **Nigerian Journal of Biochemistry 5, 86 - 90.**

29. **Akanji, MA** (1989) Pentamidine-induced rat kidney lysosomal membrane damage *in vitro*. **Nigerian Journal of Science** **23**, 149 – 152.
30. Sodipo. OA; **Akanji, MA** and Odutuga, AA (1989) Isolation, purification, structural elucidation and possible endogenous function of a biomolecule from the seeds of bitter kola (*Garcinia kola*, Heckel). **OBABS Proceedings** **2**, 67 – 81.
31. **Akanji, MA** and Ngaha, EA (1989) Effect of repeated administration of berenil on urinary enzyme excretion with corresponding tissue pattern in rats. **Pharmacology and Toxicology** **64**, 272 – 275.
32. Ngaha, EO; **Akanji, MA** and Madusolumuo, MA (1989) Studies on correlation between chloroquine-induced tissue damage and serum enzyme changes in the rat. **Experientia**, **45**, 143 - 146.
33. Sodipo,OA; **Akanji, MA** and Odutuga, AA (1989). Haemolytic effect of extract of *Garcinia kola*, (Heckel) pulp and seed on human erythrocytes- an *in vitro* study. **Bioscience Research Communications** **1**, 1 - 8.
34. **Akanji, MA**; Olaniru, OB and Saliu, NB (1989) Relationship between streptomycin-induced kidney damage and urinary enzyme excretion in rats. **Bioscience Research Communications** **1**, 25 - 34.
35. **Akanji, MA** (1990) Urinary levels of some acid hydrolase enzymes during *Trypanosoma gambiense* infection in rats. **Nigerian Journal of Science** **24**, 77 - 79.
36. Sodipo, OA; **Akanji, MA** and Odutuga, AA (1990) Comparative study of the effect of saline extracts of the pulp and seeds of *Garcinia kola* (Heckel) on some mammalian erythrocyte membranes. **Nigerian Journal of Science** **24**, 95 - 99.
37. Buremoh, GB; Oyeleke, OA; Oloyede, OB and **Akanji, MA** (1990) Loss of tissue alkaline phosphatase activities following chronic consumption of “*kaun*” by rats. **Medical Science Research** **18**, 451 – 452.
38. Sodipo, OA; **Akanji, MA** and Odutuga, AA (1990) Effect of saline extracts of the stem of *Garcinia kola*, Heckel on some mammalian erythrocyte membrane. **Nigerian Journal of Biotechnology** **7**, 70 - 78.
39. Sodipo, OA, **Akanji, MA**; Kolawole, FB and Odutuga, AA (1991) Saponin is the active anti-fungal principle in *Garcinia kola*, Heckel seeds. **Bioscience Research Communications** **3**, 51 - 57.
40. Oloyede, OB; Folayan, AT and **Akanji, MA** (1992) Increase in alkaline phosphatase activities in rat tissues following consumption of diets low in iron and deficient in essential fatty acids. **Medical Science Research** **20**, 735 – 736.
41. **Akanji, MA** and Ngaha, EO (1993) Tryparsamide-induced inhibition of rat serum and liver lactate dehydrogenase. **Nigerian Journal Biochemistry** **8**, 28 - 33.
42. **Akanji, MA**; Olagoke, OA and Oloyede, OB (1993) Effect of repeated consumption of metabisulphite on the integrity of the rat kidney cellular system. **Toxicology** **81**, 173 - 179.
43. Sodipo, OA; **Akanji, MA** and Odutuga, AA (1994) Some properties of a glycoside from the seeds of bitter kola (*Garcinia kola*, Heckel). **Nigerian Journal of Science** **28**, 1 - 6.
44. Bewaji, CO; **Akanji, MA**; Oloyede, OB and Odutuga, AA (1994) Studies on adenosine triphosphatase activities in *Onchocerca armillata*. **Biokemistri** **4**, 45 - 49.

45. **Akanji, MA** and Ufomadu, GO (1994) Depression of phosphatase activities in the sera and urine of patients infected with *Onchocerca volvulus*. **Biokemistri 4, 51 - 55.**
46. Ekanem, JT; **Akanji, MA** and Odutuga, AA (1994) Host and trypanosome- derived factors during mammalian African trypanosomiasis. **Biokemistri 4, 103 – 106.**
47. Balogun, EA; Malomo, SO and **Akanji, MA** (1995) Some tissue enzyme activity changes in mouse infected with malaria parasite. **Nigerian Journal of Biochemistry and Molecular Biology 10, 53 – 56.**
48. Ekanem, JT, **Akanji, MA** and Odutuga, AA (1996) Extracellular protein of *Trypanosoma brucei* origin lyse erythrocyte of rats *in vitro*. **Biokemistri 6, 21 - 29.**
49. **Akanji, MA**; Olagoke, OA; Ipinmoye, IT and Oloyede, OB (1996) Effect of chronic Consumption of metabisulphite on the activities of some enzymes in selected parts of gastrointestinal tract of rats. **Nigerian Journal of Biochemistry and Molecular Biology 11, 11 – 17.**
50. Ekanem, JT; Odutuga, AA and **Akanji, MA** (1996) African trypanosomiasis: Plasma lipid changes suggest extracellular cholesterol esterification by *Trypanosoma brucei*. **Bioscience Research Communications 8, 23 - 27.**
51. **Akanji, MA.** and Saliu, NB (1996) Studies on mode of kanamycin- induced cellular toxicity in rat kidney. **Nigerian Journal of Pure and Applied Science 11. 419 – 424.**
52. Balogun, EA; Malomo, SO; **Akanji, MA** and Odutuga, AA (1996) Effect of infection with *Plasmodium yoelii nigeriensis* on some enzyme activities in mouse serum. **Nigerian Journal of Biochemistry and Molecular Biology 11, 52 - 56.**
53. Ekanem, JT; **Akanji, MA** and Odutuga, AA (1996) Elevated erythrocyte calcium and Ca²⁺ ATPase activity in *Trypanosoma brucei*- infected rat. **Biomedical Letters 54, 7 - 11.**
54. Balogun, EA; Malomo, SO; **Akanji, MA** and Odutuga, AA (1997) Changes in adenosine triphosphatase activities in some tissues of *Plasmodium*- infected mice. **Biomedical Letters 56, 183 – 187.**
55. Balogun, EA and **Akanji, MA** (1998) The effective of fansider on some mouse tissue phosphatases and dehydrogenases following infection with *Plasmodium yoelii nigeriensis*. **Biokemistri 8, 45 – 50.**
56. Abubakar, A and **Akanji, MA** (1999) Effect of *Trypanosoma brucei brucei* infection on total lipid profile of rat erythrocyte ghost membrane **Nigerian Journal of Biotechnology 10, 31 – 35.**
57. **Akanji, MA** and Yakubu, MT (2000) α - Tocopherol protects against metabisulphite-induced tissue damage in rats. **Nigerian Journal of Biochemistry and Molecular Biology 15, 179 – 183.**
58. Adanlawo, IG and **Akanji, MA** (2001) Proximate analysis and mineral composition of the seed of *Solanum anguivi* Lam. **Nigerian Journal of Biochemistry and Molecular Biology 16, 147 – 148.**
59. Yakubu, MT, **Akanji, MA** and Saliu, IO (2001) Protective effect of ascorbic acid on some selected tissues of ranitidine- treated rats. **Nigerian Journal of Biochemistry and Molecular Biology 16, 177 – 182.**
60. Yakubu, MT and **Akanji, MA** (2002) Effect of Jasmine green tea (*Camellia sinensis*) on carbon tetrachloride- induced tissue damage in rats. **Nigerian Journal of Pure and Applied Science 17, 1217 - 1222.**

61. Yakubu, MT; Olatunji, IK and **Akanji, MA** (2002) Comparative effects of administration of halofantrine hydrochloride and dihydroartemisinin on some enzymes of selected rat tissues. **NISEB Journal 2, 175 – 180.**
62. Yakubu, MT; Bilbis, LS; Lawal, M and **Akanji, MA** (2003) Evaluation of selected parameters of rat liver and kidney functions following repeated administration of *yohimbine*. **Biokemistri 15, 50 – 56.**
63. Adanlawo, IG and **Akanji, MA** (2003) Effect of chronic administration of saponin extract from the fruit of *Solanum anguivi* Lam on alkaline phosphatase activities of some rat tissues. **Nigerian Journal Biochemistry and Molecular Biology 18, 59 – 62.**
64. Adesokan, AA and **Akanji, MA** (2003) Effect of administration of aqueous extract of *Enantia chloranta* on the activities of some enzymes in the small intestine of rats. **Nigerian Journal of Biochemistry and Molecular Biology 18, 103 – 105.**
65. Yakubu, MT; Bilbis, LS; Lawal, M and **Akanji, MA** (2003) Effect of repeated administration of Sildenafil citrate (Viagra) on selected enzyme activities of the liver and kidney of male albino rats. **Nigerian Journal of Pure and Applied Science 18, 1395 – 1400.**
66. Yakubu, MT; Bilbis, LS; Lawal, M and **Akanji, MA** (2003) Changes in selected enzyme activities of rat liver following repeated administration of *yohimbine*. **NISEB Journal 3, 59 – 63.**
67. Adesokan, AA and **Akanji, MA** (2004) Responses of selected rat kidney enzyme activities to administration of aqueous extract of *Enantia chloranta*. **Nigerian Journal of Pure and Applied Science 19, 1592 - 1596.**
68. **Akanji, MA**, Yakubu, MT and Adesokan, AA (2004) Effect of co- administration of selenium and α - tocopherol on phosphatase activities in carbon tetrachloride- induced liver damage in rats. **Nigerian Journal of Biochemistry and Molecular Biology 19, 63 - 67.**
69. Oloyede, OI and **Akanji, MA** (2004) Effect of administration of aqueous extract of unripe *Carica papaya* pulp on alkaline phosphatase activities of normal and alloxan- induced diabetic rabbit tissues. **Nigerian Journal of Biochemistry and Molecular Biology 19, 111 - 116.**
70. **Akanji, MA** (2004) Prescription for healthy life: Science in harmony with Islamic concepts. **Confluence of Religion and Science I, 41 – 50.**
71. Odokuma, EI, Dairo, MD and **Akanji, MA** (2004) ABO and rhesus blood group distribution among students of Delta State University, Abraka, Nigeria. **Nigerian Journal of Physiological Sciences, 19, 115.**
72. Yakubu, MT; Bilbis, LS; Lawal, M and **Akanji, MA** (2005) Responses of male rat liver and heart aminotransferases to chronic administration of *yohimbine*. **Centrepoint (Science Edition) 2, 124 – 131.**
73. **Akanji, MA** and Adesokan, AA (2005) Effect of repeated administration of aqueous extract of *Enantia chloranta* on some enzyme activities of rat liver. **Biokemistri 17, 13 – 18.**
74. Olajide, JE; **Akanji, MA**; Sanni, M and Omale, J (2005) Acetylsalicylic acid and cellular damage in kidney of metabisulphite treated rats. **Animal Research International 2, 388 – 392.**
75. Yakubu, MT, **Akanji, MA** and Oladiji, AT (2005) Aphrodisiac potentials of aqueous extracts of *Fadogia agrestis* (Schweinf, Ex Hiern) stem in male albino rats. **Asian Journal of Andrology 7, 399 - 404.**

76. Ibrahim, HO, Adesokan, AA and **Akanji, MA** (2006) Responses of some rat tissue enzymes to chronic *intra gastric* administration of inorganic lead. **Nigerian Journal of Biochemistry and Molecular Biology** **21**, 7 – 10.
77. Yakubu, MT, **Akanji, MA** and Oladiji, AT (2006) Evaluation of selected biochemical parameters of male albino rat liver following administration of aqueous extract of *Fadogia agrestis* stem. In: **Recent Progress in Medicinal Plants, Volume 12: Globalization of Herbal Health** (eds: Sharma AK, Singh VK, Govil JN and Goyal NK). Studium Press LLC, Huston, Texas, USA. **Chapter 29, pp 393 – 401.**
78. Adesokan, AA; **Akanji, MA**; Balogun, EA and Aderibigbe, A (2006) Effect of oral administration of *Aloe Barbadensis* –Miller juice on selected biochemical parameters of rat liver and kidney. In: **Recent Progress in Medicinal Plants, Volume 13: Search for Natural Drugs** (eds: Govil, JN, Singh, VK and Arunachalam, C) Studium Press LLC, Huston, Texas, USA. **Chapter 3, pp 73 – 80.**
79. Oloyede, OI and **Akanji, MA** (2006) Hypoglycaemic potential of aqueous extract of unripe pulp of *Carica papaya* pulp in alloxan- induced diabetic rabbit. In: **Recent Progress in Medicinal Plants, Volume 14: Biopharmaceuticals** (eds: Govil JN, Singh VK and Ahmad K) Studium Press LLC, Huston, Texas, USA. **Chapter 25, pp 487 – 494.**
80. Adanlawo, IG and **Akanji, MA** (2006) Effect of repeated administration of saponin extract from *Solanum anguivi* Lam on some enzyme activities of gastrointestinal tract of rats. In: **Recent Progress in Medicinal Plants, Volume 15: Natural Products I** (eds: Singh, VK Govil, JN, Ahmad, K and Sharma, RKr) Studium Press LLC, Huston, Texas, USA. **Chapter 24, pp 495 – 503.**
81. Adesokan, AA, **Akanji, MA** and Aderibigbe, A (2006) Evaluation of hypoglycaemic properties and serum lipid profile in alloxan- induced diabetic rats following administration of *Aloe barbadensis* Miller juice extract. **The Tropical Journal of Health Sciences** **13**, 11 – 14.
82. Yakubu, MT; Bilbis, LS; Lawal, M and **Akanji, MA** (2006) Effect of repeated administration of damiana on selected functional parameters of male rat kidney. **The Tropical Journal of Health Sciences** **13**, 20 – 23.
83. Yakubu, MT, Adesokan, AA and **Akanji, MA** (2006) Some biochemical changes in selected rat tissues following repeated administration of cimetidine. **African Journal of Biomedical Research** **9**, 213 – 218.
84. Adesokan, AA and **Akanji, MA** (2006) Effect of repeated administration of aqueous stem extract of *Enantia chlorantha* on the integrity of rat liver cellular system. **Nigerian Journal of Biochemistry and Molecular Biology** **21**, 89 – 96.
85. Yakubu, MT, **Akanji, MA** and Oladiji, AT (2007) Heamatological evaluation in male rats following chronic administration of aqueous extract of *Fadogia agrestis* stem. **Pharmacognosy Magazine** **3**, 34 – 38.
86. Yakubu, MT, **Akanji, MA** and Oladiji, AT (2007) Male sexual dysfunction and methods used in assessing medicinal plants with aphrodisiac potentials. **Pharmacognosy Reviews** **1**, 39 – 46.
87. Yakubu, MT, **Akanji, MA** and Oladiji, AT (2007) Evaluation of antiandrogenic potentials of aqueous extract of *Chromolaena odoratum* leaves in male rats. **Andrologia** **39** (6) 235 - 243.

88. Adesokan, AA, **Akanji, MA** and Yakubu, MT (2007) Antibacterial potentials of aqueous extract of *Enantia chlorantha* stem bark. **African Journal of Biotechnology** **6**, (22) **2502 – 2505**
89. Yakubu, MT, Oladiji, AT and **Akanji, MA** (2007) Evaluation of biochemical indices of male rat reproductive function and testicular histology in wistar rats following chronic administration of aqueous extract of *Fadogia agrestis* (Schweinf. Ex Heirn) stem. **African Journal of Biochemistry Research** **1** (7), **156 - 163**.
90. Adesokan, AA and **Akanji, MA** (2007) Renal enzyme changes induced by chronic administration of aqueous extract of *Enantia chlorantha* stem bark in albino rats. **Nigerian Journal of Biochemistry and Molecular Biology** **22** (1), **19 – 22**.
91. Adesokan, AA and **Akanji, MA** (2007) Effect of repeated administration of aqueous stem extract of *Enantia chlorantha* on the integrity of rat liver cellular system. **Nigerian Journal of Biochemistry and Molecular Biology** **22**(2), (in press)
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D. OCCASIONAL PUBLICATIONS

1. **Akanji, MA** (2000) Qur'an and Science. *Lecture delivered at Islamic Welfare Foundation Monthly Lecture Series, Ilorin, September*
2. **Akanji, MA** (2002) Cloning: A Muslim Viewpoint. *Lecture delivered at Muslim Professionals' Luncheon, Ilorin.*
3. **Akanji, MA** (2002) Should Islam be modernized to suit current forms? *Lecture delivered at Zakariyau Islamic Foundation Ramadhan Programme, Offa.*

4. **Akanji, MA** (2004) Health implications of diets to Muslims during and after Ramadhan. *Lecture delivered at Fahtiu Quareeb Society Ramadhan Lecture Series, Ilorin, November.*
5. **Akanji, MA** (2005) Rising incidence of Cancer: a Biochemist Viewpoint. *Lecture delivered at the occasion of Biochemistry Day, College of Medicine, Lagos University College of Medicine, Ikeja, Lagos*
6. **Akanji, MA** (2006) Muslims and youth education in the 21st Century Nigeria. *1427AH Ramadan Lecture delivered at Nasrul Lahi-l fatih Society of Nigeria, Ilorin Branch, on 7th October, 2006 (Ramadan 15, 1427 AH)*
7. **Akanji, MA** (2007) The Spirit of Community Development: The Offa example. *Keynote address delivered under the Auspices of Offa Diamond Club on the Occasion of its 1st Year anniversary and Launching of Stickers.*
8. **Akanji, MA** (2007) Scientific Proof of Life after Death. *1428 AH Ramadan Lecture delivered under the Auspices of Murhi International Television, Lagos, 29th September, 2007 (Ramadan 17, 1428 AH)*
9. **Akanji, MA** (2007) Repositioning Nigeria's Technological Development through Science and Technology. *Keynote Address at the 3rd Annual conference of College of Applied Science and Technology, Federal Polytechnic, Offa. 9th October, 2007.*
10. **Akanji, MA** (2007) Education: New Mellenium, New Challenges. *Keynote Address at the 4th National Conference of The Criterion (Al- Furqan), Leisure Spring hotel, Osogbo, 17th November, 2007 (Dhu al Qa'dah 7, 1428 AH).*
12. **Akanji, MA** (2008) Lifestyle of Professionals: Accountants as a Case Study. *A Luncheon address delivered at the occasion of 3rd Northern District Conference of the Institute of Chartered Accountants of Nigeria, Ilorin. 12th March,*
13. **Akanji MA** (2008) Evolution of Biochemistry Curriculum in Nigeria and Current International Trends. *A Plenary paper presented at an International Workshop for Heads of Biochemistry Departments & Units of Tertiary Institutions, Parastatals, government and Industry. Abuja, 10th July.*
14. **Akanji, MA** (2008) Inconsistency in Nigerian Educational Policy: The Bane of Development. *Guest lecture presented at Investiture and Charter presentation of Ilorin Metropolitan Lions Club, Ilorin, 16th October.*
15. **Akanji, MA** (2009) After Secondary education, what Next? *Guest Lecture delivered at the Annual Graduation and Price Given day of Offa Grammar School, Offa, July 1st.*
16. **Akanji, MA** (2009) Principles of Healthy Living. *Lecture delivered at the Instance of Nasrul Lahi-l fatih Society of Nigeria, Abuja Branch, on 15th November, 2009 (Dhul Qa'dah 27, 1430 AH)*
- 17 **Akanji, MA** (2009) Beauty of Biochemistry. *Lecture delivered at the Inauguration of National Association of Biochemistry Students, Fountain University, Osogbo Chapter, on 18th December, 2009.*
18. **Akanji, MA** (2010) Education for what? *Guest Lecture delivered at the Annual Graduation and Price Given day of Ansar- Ud- Deen College, Offa, July 13th*
19. **Akanji, MA** (2011) The role of service organisations in a depressed economy: Nigeria as a case study. *Keynote address presented on the occasion of public presentation of Lion Dr Ayoade Adesokan as District Governor 404B Nigeria for 2011- 2012 at the Event Centre, Ikeja, Lagos. 31st July.*

20. **Akanji, MA** (2012) Preference of herbal preparation over orthodox medicine in management of diseases. *Seminar presented at the Faculty of Applied Sciences, Cape Peninsula University of Technology, Cape Town, South Africa, 3rd May.*

Professor Musbau A. Akanji
August, 2012