Publications

(**1**) **Books already published:**

Saba, A.B., Oridupa O.A., Ajibade T.O (2013). Drug-induced Hepatitis and its treatment. Stirling-Horden Publishers Ltd Ibadan.Nigeria. Pp 1-136 ISBN 978-978- 032-291-5.

(**2**) **Chapters in Books already published:**

Saba A.B. and Oridupa O.A. (2012). Lipoproteins and cardiovascular diseases. In: Lipoproteins - Role in Health and Diseases, S. Frank and G. Kostner (editors). Published by In-Tech, Rijeka, Croatia. Chapter 8, Pp 197 – 222.

(3) **Saba** A.B and Ajibade, T (2012). Role of Lipoproteins in Carcinogenesis and in Chemoprevention. In: Lipoproteins - Role in Health and Diseases, S. Frank and G. Kostner (editors). Published by In-Tech, Rijeka, Croatia. Chapter 27, Pp 647-662.

c) Articles that have appeared in refereed Conference Proceedings:

(4) 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 (September 22-24) Lagos. Pp 184-185.

(5) Ola-Davies, O. E., **Saba**, A B., Ariyibi, AA and Akinboade, O. A. (1999) Effect of trypanosomosis on some blood biochemical parameters in rabbits. Proceedings of 36th Annual National Congress of Nigerian Veterinary Medical Association (25th October, 1999), Kaduna. Pp 52-54.

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

(6) Adedapo, A.A. **Saba**, A.B: and Dina O.A. (1999). The effects of trypanosomosis on plasma protein levels in indigenous cattle. Nigeria Journal of Animal Production 26: 125 - 128.

(7) Dina, O.A., Adedapo, A.A., Ige, O.O. and **Saba**, A.B (1999). Haematinic effect of extracts of *Sorghum Bicolor* in experimentally induced anaemia in domestic rabbits. Tropical Journal of Environmental Research.1 (1): 45-52.

(8) **Saba**, A.B**.,** Ola-Davies, O., Oyeyemi, M.O and Ajala, O. (2000). The toxic effects of prolonged administration of Chloramphenicol on the liver and kidney of laboratory rats. African Journal of Biomedical Research 3 (3): 131-137.

(9) Dina, O.A, Adedapo, A. A., Oyinloye, O.P and **Saba**, A.B. (2000) Effect of *Telfaria occidentalis* extracts on experimentally induced anaemia in domestic rabbits. African Journal of Biomedical Research 3 (3): 181-183.

(10) Sanni, A.A., Oke, O. A., **Saba**, A.B, Ola-Davies, O.E and Durotoye, L.A (2000). Effect of melatonin on intestinal fluid absorption in domestic chicken (*Gallus domesticus*). African Journal of Biomedical Research 3 (1): 31-34.

(11) Dina, O.A; **Saba,** A.B; Akhiromen, L.O; Adedapo, A.A. and Ola-Davies (2001). The effect of aqueous leaf extract of *Telfaria occidentalis* on isolated guinea pig ileum. African journal of Biomedical Research 4 (1): 53-54.

(12) Dina, O.A, **Saba,** A.B, Adedapo, A.A. Akinyemi and Omobowale, T.O (2002). Comparative efficacy study of Homidium bromide, Diminazene aceturate and their combination on New Zealand White rabbits experimentally infected with *T. congolense.* Tropical Veterinarian 20 (3) 153-158.

(13) **Saba,** A.B; Adedapo, A.A. Arowolo, RO.A., and Dina, O.A (2002). *In vivo* assessment of the efficacy of Samorin and Berenil in nomadic cattle in Southwestern Nigeria. Nigeria Journal of Animal production 29 (1): 81-87.

(14) Ola-Davies, O.E., Oyeyemi, M. O., **Saba,** A.B and Ajala, 0.0. (2002). Prevalence of Eimeria Oocysts in West African Dwarf goats at the University of Ibadan Farm. Nigerian Journal of Animal Production 29 (2): 259-263.

(15) Olayemi, F. O., Arowolo, R.O.A., **Saba,** A. B and Famakinde, S. A. (2002) Effects of sex on the blood profiles of the Nigerian local duck. *(Anas pltyrhynchos).* Bulletin of Animal Health and Production of Africa. 50: 67-71.

(16) Adedapo, A.A., Dina, O. A., **Saba,** A. B and Oladipo, O.D. (2002). Evaluation of *Telfaria occidentalis* and *Sorghum bicolor* extracts as potent haematinics in domestic rabbits. Nigerian Journal of Animal Production 29 (1): 88-93.

(17) **Saba**, A.B; Awe, O.E; Akinloye, AK and Oladele, G.M. (2002). Haematological changes accompanying prolonged ocular chloramphenicol administration in laboratory rabbits. African Journal of Biomedical Research 5: 133-137.

(18) Adedapo, A.A. **Saba,** A.B. Abatan, M.O. Ohore. G.O., Famakinde, S. A and Arowolo, RO.A. (2003). Comparative analysis of the Dark Ground Buffy Coat (DG) and Enzyme-Linked Immunosorbent Assay (ELISA) in the diagnosis of trypanosomosis in cattle. Tropical Journal of Animal Science. 6 (2): 23-26.

(19) **Saba,** A. B., Dina, O. A., Adedapo, A. A and Akhiromen, I. O. (2003). Effects of aqueous leaf extract of *Solanum aethiopicum* on isolated Guinea pig ileum. African Journal of Biomedical Research. 6 (3): 146-147.

(20) Adedapo, A.A., **Saba,** A.B., Dina, O.A and Oladejo, G.M.A. (2004). Effects of dexamethasone on the infectivity of *Trypanosoma vivax* Y 486 and the haematological changes in Nigerian domestic chicken *(Gallus gallus domesticus).* Veterinarski Arhiv 74 (5): 371-381.

(21) Adedapo, A.A., **Saba,** A.B., Dina, O.A and Oladejo, G.M.A. (2004). Effects of dexamethasone on the infectivity of *Trypanosoma vivax* Y 486 and serum biochemistry changes in Nigerian domestic chickens. *(Gallus gallus domesticus).* Tropical Journal Animal Science. 7 (1): 65-72.

(22) Adedapo, A. A, **Saba,** A. B, Dina, O. A and Murtala, B. A (2004). Effects of dexamethasone on the pathogenicity of *Trypanasoma congolense* in Nigerian local domestic chicks *(Gallus gallus domesticus).* Tropical Journal of Animal Science 7(2): 11-19.

(23) Adedapo, A.A., **Saba,** A.B., Arowolo, R.O.A and Abatan, M.O. (2005). Comparison of the prevalence of trypanosomosal infection in indigenous cattle in the Guinea and Derived Savannah Vegetational Zones of South- West Nigeria. Nigeria Journal of Animal Production 32: (1): 116-119.

(24) Adedapo, A.A., Olayemi, F. O., **Saba**, A. B., Dina, O.A and Momoh, F. O. (2005). An assessment of a prophylactic dose of Isometamidium chloride (Samorin®) on haematological and serum biochemical parameters of rabbits experimentally infected with *Trypanosoma brucei brucei* (Lafia strain). Folia Veterinaria, 49 (3): 138-142.

(25) Adedapo, A. A., **Saba,** A. B and Dina, O.A (2005). An *in vivo* assessment of the use of Haematopan B12® in the treatment of experimentally induced anaemia in domestic rabbits. Nigerian Journal of Animal Production. 32 (2):301-307.

(26) Adedapo, A. A., Olopade, J. O., **Saba**, A. B and Dina, O. A (2006). Effects of corticosteroid administration on the infectivity of T. *brucei brucei* 8/18 in Nigerian domestic chicken. Nigerian Journal of Animal Production, 33 (1): 140-144. (Nigeria)

(27) **Saba,** A. B and Arowolo, R. O. A (2006). The threshold and the maximum range of pharmacological response of gastrointestinal smooth muscle of Nigerian Muscovy duck. Tropical Veterinarian, 24 (1&2): 16-22. (Nigeria) (My contribution is 80%)

(28) **Saba, A. B**. and Arowolo, R O. A (2006). The effect of histamine and histamine H_1 and H_2 receptors blocker on the ileum of the Nigerian local duck *(Cairina moschata).* Folia Veterinaria 50 (4): 170-174.

(29) Eghinaruwa, K. I., Ogunleye, O. A, **Saba,** A. B., Famakinde, S. A., Ola-Davies, O. E and Abu, H. H (2006). Influence of atropine, and loperamide on reduced

intestinal transit induced by *Calotropis procera* Latex in rats. African Journal of Biomedical Research 9 (2): 125-128.

(30) **Saba**, A. B, Arowolo, RO A and Famakinde, S. A (2006). The pharmacological reaction processes of the gastrointestinal smooth muscle of the Nigerian duck *(Cairina moschata)* to acetylcholine. Folia Veterinaria 50 (3): 134 - 138.

(31) Omobowale, T. O., Emikpe, B. O., **Saba,** A. B and Sonibare, O. A (2006). Diazinon toxicity in a commercial layer flock on the University of Ibadan Farm, Nigeria. Bulletin of Animal Health and Production. 54 (4): 298-300.

(32) **Saba**, A. B., Adedapo, A. A., Oyagbemi, A. A., Odudu, Z. K (2007). Laboratory evaluation of sanative pair of diminazene aceturate and Isometamidium chloride as combination therapy for animal trypanosomosis. Folia Veterinaria 51(3-4): 169-174.

(33) Tomori, O. A., **Saba, A. B**. and Dada-Adegbola, H. 0 (2007). Antibacterial activity of ethanolic extract of whole fruit of *Lagenaria breviflora* Roberts. Journal of Animal and Veterinary Advances 6 (5): 752-757.

(34) **Saba**, A. B and Arowolo, R O. A. (2007). Pharmacology of adrenergic stimulation of duodenal smooth muscle of Nigerian Muscovy duck *(Cairina moschata).* Journal of Animal and Veterinary Advances 6 (4): 580-585.

(35) **Saba, A. B**. and Oyagbemi, A. A. (2007). The effect of multivitamin-haematinic complex in chloramphenicol-induced anemia in Rabbits. International Journal of Pharmacology, 3 (5): 411-415.

(36) Oyagbemi, A.A.**. Saba, A.B** and Arowolo, R.O.A (2008). Safety evaluation of prolonged administration of Stresroak® in Grower Cockerels. International Journal of Poultry Science. 7 (6): 574-578.

(37) **Saba** A.B., Oridupa, A.A and Ofuegbe (2009). Evaluation of haematological and serum electrolyte changes in Wistar rats administered with ethanolic extract of whole fruit of *Lagenaria breviflora* Robert. Journal of Medicinal Plants Research 3 (10): 758-762.

(38) **Saba,** A. B., Oridupa, A. 0., Oyeyemi, M.O and Osanyingbe, O. D. (2009) Spermatozoa morphology and characteristics of male Wistar rats administered with ethanolic extract of *Lagenaria Breviflora* Roberts. African Journal of Biotechnology. 8 (7): 1170-1175.

(39) Oyagbemi, A. A., Azeez, O.I and **Saba**, A.B (2009). Interactions between reactive oxygen species and cancer: the roles of natural dietary antioxidants and their molecular mechanisms of action. Asian Pacific Journal of Cancer Prevention 10: 535-544.

(40) Oyagbemi, A. A., **Saba**, A.B and Azeez, O.I (2009). Curcumin: From food spice to cancer prevention. Asian Pacific Journal of Cancer Prevention 10:963-967.

(41) Oyagbemi AA, Azeez OI and **Saba** AB (2010). Hepatocellular carcinoma and the underlying mechanisms. African Health Sciences 10 (1): 93 – 98

(42) Oyagbemi, A.A., **Saba**, A.B and Azeez, O.I (2010). Molecular targets of [6]-gingerol: Its potential roles in cancer chemoprevention. Biofactors 36 (3): 169-178.

(43) Oyagbemi, A.A., **Saba**, A.B and Azeez, O.I (2010). Capsaicin: A novel chemopreventive molecule and its underlying molecular mechanisms of action. Indian Journal of Cancer.47 (1): 53-58.

(44) **Saba**, A. B and Oridupa O. A (2010). Changes in the haematological profile of West African hinged-backed tortoise (*Kinixys erosa*) anaesthetized with ether or thiopentone sodium. Journal of Cell and Animal Biology 4 (11): 158-162.

(45) **Saba** A. B, Oridupa, O A, Oyagbemi, A.A and Alao, E.O (2010). Serum biochemical changes accompanying prolonged administration of ethanolic extract of whole fruit of *Lagenaria breviflora* (Benth) Roberty in Wistar rats. African Journal of Biotechnology Vol. 9 (42): 7128-7133

(46) Lawal, T.T., **Saba**, A.B., Ewuola, E. O and Iyiola-Tunji, A. O (2010). Haematological responses of adult male rabbits to prolonged administration of Chaya plant (*Cnidoscolus aconitifolius*) extract. African Journal of Animal and Biomedical Sciences 5 (3): 118-122.

(47) **Saba** A. B, Oyagbemi AA and Azeez OI (2010). Amelioration of carbon tetrachloride-induced hepatotoxicity and haemotoxicity by aqueous leaf extract of *Cnidoscolus aconitifolius* in rats. Nigerian. Journal. Physiological. Sciences. 25: 139 – 147.

(48) Oyagbemi, A.A., Adedara, I.A., **Saba**, A.B and Farombi, E.O (2010). Role of oxidative stress in reproductive toxicity induced by co-administration of chloramphenicol and multivitamin-haematinics complex in rats. Basic and Clinical Pharmacology and Toxicology 107: 703-708.

(49) **Saba**, A.B., Oyagbemi, A.A and Azeez, O.I (2010). Antidiabetic and haematinic effects of *Parquetina nigrescens* on alloxan-induced Type-1 diabetes and normocytic normochromic anaemia in Wistar rats. African Health Sciences 10 (3):276-283.

(50) Oyewusi J.A., **Saba, A.B.** and Oridupa, O.A. (2010): The Course of Trypanosomosis in Laboratory Rabbits Following Experimental Infection,

Treatment and Re-infection: Haematological Study. *European Journal of Scientific Research*. ISSN 1450-216X Vol.42 No.3 (2010), pp.397-405.

(51) **Saba**, A.B and Oridupa, O. A (2010). Search for a novel antioxidant anti-inflammatory/analgesic or anti-proliferative drug: Cucurbitacins hold the ace. Journal of Medicinal Plant Research 4 (25): 2821-2826.

(52) Oridupa, O. A., **Saba**, A. B and Sulaiman, L. K (2011). Preliminary report on the antiviral activity of the ethanolic fruit extract of *Lagenaria breviflora* Roberts on Newcastle disease virus Tropical Veterinarian 29 (1): 22-33.

(53) Oyebanji, O. B and **Saba**, A.B (2011). Phytochemistry and *in vitro* anti-oxidant activities of *Stellaria media*, *Cajanus cajan* and *Tetracera potatoria* methanolic extracts. Journal of Medicinal Plants Research 5 (30): 6622-6627.

(54) **Saba, A.B**., Oguntoke, P.C., Oridupa, O.A. (2011). Anti-inflammatory and analgesic activities of ethanolic leaf extract of *Calotropis procera*. African Journal Biomedical Research. 14: 203 -208.

(55) Onasanwo, S, A., Singh, N, **Saba**, A. B, Oyagbemi, A. A., Oridupa, O.A and Palit, G (2011) Antiulcerogenic and *in vitro* antioxidant activities of *Lagenaria breviflora* whole fruit ethanolic extract in laboratory rats. Pharmacognosy Research 3 (1): 2-8.

(56) Onasanwo, S.A., Oyagbemi, A.A and **Saba** A. B. (2011). Anti-inflammatory and analgesic properties of the ethanolic extract of *Cnidoscolus aconitifolius* in rats and mice. Journal of Basic Clinical Physiology and Pharmacology 22 (1-2): 37–41.

(57) Onasanwo SA, **Saba** AB, Oridupa OA, Oyagbemi AA and Owoyele BV (2011). Anti- nociceptive and anti-inflammatory properties of the ethanolic extract of *Lagenaria breviflora* whole fruit in rat and mice. Nigerian. Journal. Physiological. Sciences. 26: 071 – 076.

(58) **Saba A.B**., Olatoye I.O., Oridupa O.A., Odiaka C. (2012). Antibiotic resistance in *Salmonella sp* and *Escherichia coli* isolated from poultry in Ibadan, Nigeria. Tropical Veterinarian 30 (2): 55-64.

(59) **Saba, A.B**., Olatoye, I.O., Oridupa, O.A. (2012). Spectrophotometric analysis of oxytetracycline brands available over-the-counter for veterinary use in South Western Nigeria. Nigerian Veterinary Journal 33 (3): 523-530.

(60) Onakoya, O.M and **Saba, A.B** (2012). Bacterial resistance to the tetracyclines and anti-microbial therapeutics: A review. Tropical Veterinarian 30(1): 1-16.

(61) **Saba,** A.B.and Oridupa, O.A. (2012). Pharmacological reactivity of isolated guinea pig ileum to ethanol leaf extracts of *Amaranthus caudatus* and *Solanum melongena*. Nigerian Journal of Physiological Sciences 27 (1): 73-78

(62) Oyebanji, B.O., **Saba, A. B**., Oridupa, O.A. 2012. Anti-inflammatory and analgesic effects of methanolic extract of *Stellaria media* (L.) Vill leaf. African Journal of Biomedical Research 15: 29 – 34.

(63) **Saba**, A. B., Onakoya, O.M and Oyagbemi, A.A (2012). Hepatoprotective and *in vivo* antioxidant activities of ethanolic extract of whole fruit of *Lagenaria breviflora*. Journal of Basic Clinical Physiology and Pharmacology 23 (1): 27–32

(64) Oridupa, O.A, **Saba** A.B, (2012). Relative anti-inflammatory and analgesic activities of the whole fruit, fruit bark, pulp and seed of *Lagenaria breviflora* Roberty. Journal of Pharmacology and Toxicology 7(6): 288-297.

(65) Ogunmefun O.T., Fasola T. R., **Saba**, A. B., Oridupa O.A (2013). The ethnobotanical, phytochemical and mineral analyses of *Phragmanthera incana* (Klotzsch), A species of mistletoe growing on three plant hosts in South-Western Nigeria. International Journal of Biomedical Science 9(1): 33-40.

(66) Oridupa, O A., **Saba, A. B.**, Adesanwo, J.K and Oyebanji, B. O (2013). Anti-inflammatory and analgesic activity of a cucurbitacin isolated from *Lagenaria breviflora* Roberty fruit. African Journal of Medicine and Medical Sciences 42 (3): 223-230.

(67) Oyebanji B.O., **Saba** A.B and Oridupa O.A (2013). Antinociceptive and Anti-Inflammatory Activities of Methanol Root Extract of *Tetracera potatoria*. African Journal of Biomedical Research 16; 199 – 204.

(68) Oridupa, O.A and **Saba A.B.** (2013). Relaxant effect of *Lagenaria breviflora* Roberty fruit pulp and seeds on isolated rabbit ileum. Sokoto Journal of Veterinary Sciences 11 (2):21-27.

(69) Ogunmefun, O.T, Fasola, T.R., **Saba, A.B.**, Oridupa, O.A., 2013. The Toxicity evaluation of *Phragmanthera incana* (Klotzsch) growing on two plant hosts and its effect on Wistar rats' haematology and serum biochemistry. Academic Journal of Plant Sciences 6 (2): 92-98.

(70) **Saba A.B.**, Rahman S. A., Oridupa O.A**.,** 2013. Antidiabetic and hypolipidemic effects of *Moringa oleifera* ethanolic leaf extract on experimentally-induced diabetes in wistar rats. Journal of Natural Science, Engineering and Technology 11 (2):32-41.

(71) Oyewusi, A. J and **Saba, A. B** (2013). Biochemical response of rabbits following experimental *trypanosoma brucei brucei* infection, treatment and re-infection. Sokoto Journal of Veterinary Sciences 11(2): 36-42.

(72) Oyebanji, B.O., **Saba, A.B.**, Oridupa, O.A. (2014). Studies on the anti-inflammatory and analgesic activities of betulinic acid derived from *Tetracera potatoria*. African Journal of Complementary and Alternative Medicine 11(1): 30-33.

(73) Oyagbemi AA, Omobowale TO, Akinrinde AS, **Saba** AB, Ogunpolu BS, Daramola O, (2014). Lack of reversal of oxidative damage in renal tissues of lead acetate-treated rats. Environmental Toxicology 04/2014; DOI:10.1002/tox.21994.

(74) Omobowale TO, Oyagbemi AA, Akinrinde AS, **Saba AB**, Daramola OT, Ogunpolu BS, Olopade JO, (2014). Failure of recovery from lead induced hepatoxicity and disruption of erythrocyte antioxidant defence system in Wistar rats Environmental Toxicology and Pharmacology 37(3):1202-1211.).

(75) Adesanya, O.A., Arowolo, O.O., **Saba, A.B.,** Olukunle, J.O and Arowolo, R.O.A (2014). A commonly used herbal drugs commonly used in Veterinary practice in southwest Nigeria. Planta Medica 80(16):2080

(76) Oyagbemi, A A., Omobowale, T O; **Saba**, **A.B**; Olowu, E.R, Dada, R.O and Akinrinde, A.S (2016) Gallic Acid Ameliorates Cyclophosphamide-Induced Neurotoxicity in Wistar Rats Through Free Radical Scavenging Activity and Improvement in Antioxidant Defense System, Journal of Dietary Supplements, 13:4,402-419, DOI: 10.3109/19390211.2015.1103827.

(77) Oyewusi J. A., **Saba, A.B.**, Olunkunle, J.O. (2015). Phytochemical, elemental and acute toxic effects of methanol extract of onion (*allium cepa*) bulbs in wista albino rats experimentaly pre-exposed and rested for a week.*Vom Journal of Veterinary Science.* 10: 65 – 74.

(78) Oyagbemi AA, Omobowale TO, Akinrinde AS, **Saba** AB**,** Ogunpolu BS, Daramola O (2015). Lack of reversal of oxidative damage in renal tissues of lead acetate-treated rats. Environ Toxicol. 2015 Nov;30(11):1235-43.

(79) Oyagbemi AA, Omobowale TO, **Saba,** AB., Adedara IA, Olowu ER, Akinrinde AS, Dada RO (2015). Gallic acid protects against cyclophosphamide-induced toxicity in testis and epididymis of rats. Andrologia. 48: 393-401

(80) Ogunmefun, O.T; Fasola,T.R; **Saba**, A.B and Akinyemi, A.J (2015). Inhibitory effect of *Phragmanthera incana* (Schum) harvested from Cocoa (*Theobroma cocao*) and kola nut (*Cola nitida*) trees on iron (II) induced lipid oxidative stress in some rat tissues-*in-vitro*. International Journal of Biomedical Science 11 (1): 16-22.

(81) Ogunmefun, O.T; Ekundayo, E.A; Ogunnusi, T. A; Olowoyeye, A.H; Fasola, T.R and **Saba**, A.B (2015). Antimicrobial activities of *Phragmanthera incana* (Schum)

Balle, a mistletoe species harvested from two host plants against selected pathogenic microbes. Annual Research and Review in Biology 8 (3): 1-10.

(82) Oyagbemi AA, Omobowale OT, Asenuga ER, Akinleye AS, Ogunsanwo RO, **Saba** AB (2016). Cyclophosphamide-induced hepatotoxicity in wistar rats: The modulatory role of gallic acid as a hepatoprotective and chemopreventive phytochemical. International Journal Preventive Medicine 7:52.

(83) Ajala, T.O; Femi-Oyewo; Odeku, O.A; Ana, O.A; **Saba**, A.B and Oridupa, O.A. (2016). The physicochemical safety and antimicrobial properties of Phyllanthus amarus herbal cream and ointment. Journal of Pharmaceutcal Investgaton. 46 (2): 169-178.

(84) Ogunmefun OT, **Saba, A.B.,** Fasola, T.R., Akharaiyi, F.C. and Oridupa, O. A. (2016). Phytochemistry and In-vitro Antimicrobial Evaluation of *Phragmanthera incana* (schum.) Balle Extracts on Selected Clinical Microorganisms - British Microbiology Research Journal 14(3): 1-10.

(85) Ogunmefun OT, **Saba, A.B.,** Fasola, T.R., Oridupa, O.A. and Adarabioyo, M.I. (2016). Hypoglycemic Effect of *Phragmanthera incana* (Schum.) Balle on Alloxan-induced diabetic albino rats - International Journal of Medicinal Plants Research Vol. 5(1): 173-177 (International Scholars Journal, New York, USA).

(86) Oridupa O. A, Ovwighose, N.O., **Saba A.B**., (2017). Anti-hyperglycaemic effect of *Cleome rutidosperma* in alloxan-induced diabetic albino rats. Drug Research 67(12): 719-723

(87) Oridupa, O.A., **Saba, A.B**., (2017). Diabetes mellitus in Nigeria and the on-going search for a cure from medicinal plants: A Review. African Journal of Diabetes Medicine 25(2): 4-6

(88) Oyewusi, J.A., Oridupa, O.A., **Saba, A.B**., (2017). Assessment of cardiotoxic potential of methanol extract of red cultivar *Allium cepa*. Sokoto Journal of Veterinary Sciences 15(3): 74-82

(89) Ogunmefun OT, Fasola, T.R., **Saba, A.B,** Oridupa, O.A. and Adarabioyo, M.I. (2017). Haematology and serum biochemistry of alloxan-induced diabetic rats administered with extracts of *Phragmanthera incana* (Schum.) Balle harvested from two trees – African Journal of Pharmacy and Pharmacology, Academic Journals 11(43): 545-553.

(90) Oyebanji B.O., Oridupa O.A., Ochigbo GO, **Saba A.B**., 2018. Haematological and biochemical changes observed following sub-chronic administration of crude methanol extracts of *Stellaria media* and *Cajanus cajan* to Wistar rats. European Journal of Medicinal Plants 23(4): 1-8

(91) Adeoye, O. J., Olayinka, O. A., **Bernard, S. A**., Sikiru, O. A., Kofoworola, O. I., Olufemi, O. J., & Adekunle, A. A. (2018). Testicular and spermatotoxic potential of methanol extract of red cultivar Allium cepa in rats. *Journal of complementary & integrative medicine*, *15*(4), 10.1515/jcim-2017-0102. https://doi.org/10.1515/jcim-2017-0102

(92) Oyagbemi AA, Omobowale TO, Ola-Davies OE, Asenuga ER, Ajibade TO, Adejumobi OA, Afolabi JM, Ogunpolu BS, Falayi OO, **Saba AB**, Adedapo AA, Yakubu MA., (2018). Luteolin-mediated Kim-1/NF-kB/Nrf2 signaling pathways protects sodium fluoride-induced hypertension and cardiovascular complications. Biofactors. 44(6):518-531. doi: 10.1002/biof.1449

(93) Oyagbemi AA, Omobowale TO, Ola-Davies OE, Asenuga ER, Ajibade TO, Adejumobi OA, Arojojoye OA, Afolabi JM, Ogunpolu BS, Falayi OO, Hassan FO, Ochigbo GO, **Saba AB**, Adedapo AA, Yakubu MA., (2018). Quercetin attenuates hypertension induced by sodium fluoride via reduction in oxidative stress and modulation of HSP 70/ERK/PPARγ signaling pathways.Biofactors. 44(5):465-479. doi: 10.1002/biof.1445.

(94) Oyagbemi AA, Omobowale TO, Ola-Davies OE, Asenuga ER, Ajibade TO, Adejumobi OA, Afolabi JM, Ogunpolu BS, Falayi OO, Ayodeji F, Hassan FO, **Saba AB**, Adedapo AA, Yakubu MA., (2018). Ameliorative effect of Rutin on sodium fluoride-induced hypertension through modulation of Kim-1/NF-κB/Nrf2 signaling pathway in rats.Environ Toxicol. 33(12):1284-1297. doi: 10.1002/tox.22636

(95) Ajibade TO, Oyagbemi AA, Omobowale TO, Asenuga ER, **Saba AB**., (2018). Telferia Occidentalis and Vitamin C Attenuate Phenylhydrazine-Induced Haemolytic Anaemia and Associated Cardio-renal Dysfunctions via Inhibition of Oxidative Stress and Proapoptotic -Protein (Bax) Expressions. Drug Res (Stuttg). 68(2):104-112. doi: 10.1055/s-0043-119070

(96) Ogunsanwo OR, Oyagbemi AA, Omobowale TO, Asenuga ER, **Saba AB**., (2017). Biochemical and electrocardiographic studies on the beneficial effects of gallic acid in cyclophosphamide-induced cardiorenal dysfunction. J Complement Integr Med. 22;14(3). pii:/j/jcim.2017.14.issue-3/jcim-2016-0161/jcim-2016-0161.xml.doi: 10.1515/jcim-2016-0161

(97) Oyagbemi AA, Omobowale TO, Ochigbo GO, Asenuga ER, Ola-Davies OE, Ajibade TO, **Saba AB**, Adedapo AA., (2018). Polyphenol-Rich Fraction of Parquetina nigrescens Mitigates Dichlorvos-Induced Cardiorenal Dysfunction Through Reduction in Cardiac Nitrotyrosine and Renal p38 Expressions in Wistar Rats.J Diet Suppl. 4;15(3):269-284. doi: 10.1080/19390211.2017.1336148.

(98) Oyagbemi AA, Omobowale TO, Awoyomi OV, Ajibade TO, Falayi OO, Ogunpolu BS, Okotie UJ, Asenuga ER, Adejumobi OA, Hassan FO, Ola-Davies OE, **Saba**

AB, Adedapo AA, Yakubu MA. (2019). Cobalt chloride toxicity elicited hypertension and cardiac complication via induction of oxidative stress and upregulation of COX-2/Bax signaling pathway.Hum Exp Toxicol. 38(5):519-532. doi: 10.1177/0960327118812158

(99) Oyewusi, A. J., Oridupa, O. A., **Saba, A. B**., Oyewusi, I. K., & Mshelbwala, M. F. (2019). Effect of the methanol extract of the red cultivar Allium cepa L. on the serum biochemistry and electrolytes of rats following sub-chronic oral administration. Journal of Basic and Clinical Physiology and Pharmacology, 31(2). https://doi.org/10.1515/jbcpp-2018-0175

(100) Ogunsola, J.O., Oridupa, O.A., Awotunsin, K.O., **Saba, A.B.** (2019). Chronic inhalation of 2,2-dichlorovinyl dimethyl phosphate (DDVP) induces organ pathology in the adult albino Rat. European Journal of Anatomy Vol. 23 No. 3: 151-158.

(101) Oridupa, O.A., Abegunde, B.O., Ovwighose, N.O**., Saba, A.B.** (2019). Anti-inflammatory and analgesic effect of Annona muricata leaf extract in experimental animals. Tropical Veterinarian Vol. 37 No. 4: 203-213.

(102) Oyewusi, J.A., Oridupa, O.A., **Saba A. B**., Oyewusi, I.K., Mshelbwala M.F. (2020). Effect of methanol extract of red cultivar Allium cepa on serum biochemistry and electrolytes of rats following sub-chronic oral administration. Journal of Basic and Clinical Physiology and Pharmacology Vol. 31 No. 2: 1-14.

(103) Oridupa, O.A., Ovwighose N.O., Aina, O.O., **Saba A.B.** (2020). Reversal of diabetic complications in andrology parameters of alloxan-induced diabetic male Wistar rats treated with Cleome rutidosperma leaves. Folia Veterinaria, Vol. 64 No. 1: 19-26.

(104) Oridupa, O.A., Awotunsin, K.O., Ogunsola, J., **Saba, A.B.**, Obisesan, A.D., (2020). Knowledge, attitude and perception of related toxicity of pesticide exposure in humans and animals in South West Nigeria. Sokoto Journal of Veterinary Sciences 18(3): 129-136

(105) Oyagbemi, A.A., Adebiyi, O.E., Adigun, K.O., Ogunpolu, B.S., Falayi, O.O., Hassan, F.O., Folarin, O.R., Adebayo, A.K., Adejumobi, O.A., Asenuga, E.R., Ola-Davies, O.E., Omobowale, T.O., Olopade, J.O., **Saba, A.B**., Adedapo, A.A., Nkadimeng, S.M., McGaw, L.J., Oguntibeju, O.O. and Yakubu, M.A. (2020). Clofibrate, a PPAR-α agonist, abrogates sodium fluoride-induced neuroinflammation, oxidative stress, and motor incoordination via modulation of GFAP/Iba-1/anti-calbindin signaling pathways. Environmental Toxicology Vol. 35 No.24: 242-253.

(106) Oyagbemi, A.A., Omobowale, T.O., Adejumobi, O.A., Owolabi, A.M., Ogunpolu, B.S., Falayi, O.O., Hassan, F.O., Ogunmiluyi, I.O., Asenuga, E.R., Ola-Davies,

O.E., Soetan, K.O., **Saba, A.B.**, Adedapo, A.A., Nkadimeng, S.M., McGaw, L.J., Oguntibeju, O.O. and Yakubu, M.A (2020). Antihypertensive power of Naringenin is mediated via attenuation of mineralocorticoid receptor (MCR)/ angiotensin converting enzyme (ACE)/ kidney injury molecule (Kim-1) signaling pathway. European Journal of Pharmacology 880:173142. doi: 10.1016/j.ejphar.2020.173142

(107) Jayeola, O.C., Oyagbemi, A.A., Okunlola, O.I., Olubamiwa, O., Omobowale, T.O., Ajibade, T.O., Bolaji-Alabi, F.B., Ogunpolu, B.S., Falayi, O.O., **Saba, A.B.**, Adedapo, A.A., Yakubu, M.A., Oluwadun, A., Oguntibeju, O.O. (2020). Effect of cocoa powder on hypertension and antioxidant status in uninephrectomized hypertensive rats. Veterinary World Vol. 13 No. 4: 695-705.

(108) Oyagbemi, A.A., Adejumobi, O.A., Ajibade, T.O., Asenuga, E.R., Afolabi, J.M., Ogunpolu, B.S., Falayi, O.O., Hassan, F.O., Nabofa, E.W., Omobowale, T.O., Ola-Davies, O.E., **Saba, A.B.**, Adedapo, A.A., Oguntibeju, O.O., Yakubu, M.A. (2020). Luteolin Attenuates Glycerol-Induced Acute Renal Failure and Cardiac Complications Through Modulation of Kim-1/NF-κB/Nrf2 Signaling Pathways. Journal of Dietary Supplements 1-23. doi: 10.1080/19390211.2020.1811442.

(109) Oyagbemi, A.A., Akinrinde, A.S., Adebiyi, O.E., Jarikre, T.A., Omobowale, T.O., Ola-Davies, O.E., **Saba, A.B.,** Emikpe, B.O. and Adedapo, A.A. (2020). Luteolin supplementation ameliorates cobalt-induced oxidative stress and inflammation by suppressing NF-κB/Kim-1 signaling in the heart and kidney of rats. Environmental Toxicology and Pharmacology Vol. 80:103488. doi: 10.1016/j.etap.2020.103488.

(110) Gbadamosi, I.T., Opatola, D.G., Oyagbemi, A.A., Ajibade, T.O., Bolaji-Alabi, F.B., Omobowale, T.O., **Saba, A.B.**, Adedapo, A.A., Yakubu, M.A. and Oguntibeju, O.O. (2020). Methanol extract of Caesalpinia benthamiana normalizes blood pressure and attenuates oxidative stress in uninephrectomized hypertensive rats. Journal of Basic and Clinical Physiology and Pharmacology Sep 14:/j/jbcpp.ahead-of-print/jbcpp-2020-0065/jbcpp-2020- 0065.xml. doi: 10.1515/jbcpp-2020-0065.

(111) Oyagbemi, A.A., Bolaji-Alabi, F.B., Ajibade, T.O., Adejumobi, O.A., Ajani, O.S., Jarikre, T.A., Omobowale, T.O., Ola-Davies, O.E., Soetan, K.O., Aro, A.O., Emikpe, B.O., **Saba, A.B.**, Adedapo, A.A., Oyeyemi, M.O., Nkadimeng, S.M., Kayoka-Kabongo, P.N., McGaw, L.J., Oguntibeju, O.O. and Yakubu, M.A. (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 Food Biochemistry 2020 Oct 21:e13534. doi: 10.1111/jfbc.13534.

(112) Omóbòwálé, T.O., Oyagbemi, A.A., Adejumobi, O.A., Ugbor, F., Asenuga, E.R., Ajibade, T.O., Afolabi, J.M., Ogunpolu, B.S., Falayi, O.O., Gbadamosi, I.T., Ola-Davies, O.E., **Saba**, **A.B.**, Ashafa, A., Yakubu, M.A., Adedapo, A.A. and

Oguntibeju, O.O. (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. Pharmacognosy Research Vol. 12 No. 4: 460-465.

(113) Omóbòwálé, T.O., Oyagbemi, A.A., Adejumobi, O.A., Ugbor, F., Asenuga, E.R., Ajibade, T.O., Afolabi, J.M., Ogunpolu, B.S., Falayi, O.O., Gbadamosi, I.T., Ola-Davies, O.E., **Saba**, **A.B.,** Ashafa, A., Yakubu, M.A., Adedapo, A.A. and Oguntibeju, O.O. (2021). 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. Pharmacognosy Research Vol.12: 460-465.

(114) Oyagbemi, A.A., Adejumobi, O.A., Jarikre, T.A., Ajani, O.S., Asenuga, E.R., Gbadamosi, I.T., Adedapo, A.D.A., Aro, A.O., Ogunpolu, B.S., Hassan, F.O., Falayi, O.O., Ogunmiluyi, I.O., Omobowale, T.O., Arojojoye, O.A., Ola-Davies, O.E., **Saba, A.B.,** Adedapo, A.A., Emikpe, B.O., Oyeyemi, M.O., Nkadimeng, S.M., McGaw, L.J., Kayoka-Kabongo, P.N., Oguntibeju, O.O. and Yakubu, M.A. (2021). Clofibrate, a Peroxisome Proliferator-Activated Receptor-Alpha (PPARα) Agonist, and Its Molecular Mechanisms of Action against Sodium Fluoride-Induced Toxicity. Biological Trace Element Research doi: 10.1007/s12011-021-02722-1.

(115) Oyagbemi AA, Owolabi A, Hassan FO, Ogunpolu BS, Ogunmiluyi IO, Asenuga ER, Falayi OO, Adejumobi OA, McGaw L, Nkadimeng S, Omobowale TO, Soetan KO, **Saba AB,** Adedapo AA, Oguntibeju OO, Yakubu MA (2020): Antihypertensive power of Naringenin is mediated via attenuation of mineralocorticoid receptor (MCR)/ angiotensin converting enzyme (ACE)/ kidney injury molecule (KIM-1) signaling pathway. European Journal of Pharmacology, Volume 880, https://doi.org/10.1016/j.ejphar.2020.173142

(116) Gbadamosi, I.T., Opatola, D.G., Oyagbemi, A.A., Ajibade, T.O., Bolaji-Alabi, F.B., Omobowale, T.O., Saba, A.B., Adedapo, A.A., Yakubu, M.A., & Oguntibeju, O.O. (2020). Methanol extract of Caesalpinia benthamiana normalizes blood pressure and attenuates oxidative stress in uninephrectomized hypertensive rats. *Journal of Basic and Clinical Physiology and Pharmacology, 32*, 109 - 119. https://doi.org/10.1515/jbcpp-2020-0065

(117) Oyagbemi AA, Akinrinde AS, Adebiyi OE, Jarikre TA, Omobowale TO, Ola-Davies OE, **Saba AB,** Emikpe BO, Adedapo AA (2020): Luteolin supplementation ameliorates cobalt-induced oxidative stress and inflammation by suppressing NF-κB/KIM-1 signaling in the heart and kidney of rats. Environmental Toxicology and Pharmacology 80. https://doi.org/10.1016/j.etap.2020.103488

(118) Oyagbemi AA, Ajibade TO, Aboua YG, Gbadamosi IT, Adedapo AD, Aro AG, Olumuyiwa Abiola Adejumobi OA, Thamahane-Katengua E, Omobowale TO, Falayi OO, Oyagbemi TO, Ogunpolu BS, Hassan FO, Ogunmiluyi IO, Ola-Davies

EO, **Saba AB,** Adedapo AA, Nkadimeng SM, McGaw LY, Kayoka-Kabongo PN, Oguntibeju OO, Yakubu MA. (2021). Potential health benefits of zinc supplementation for the management of COVID-19 pandemic. Journal of Food Biochemistry. https://doi.org/10.1111/jfbc.13604

(119) Oyagbemi AA, Adejumobi OA, Jarikre TA, Ajani OS, Asenuga ER, Gbadamosi IT, Adedapo ADA, Aro AG, Ogunpolu BS, Hassan FO, Falayi OO, Ogunmiluyi IO, Omobowale TO, Arojojoye OA, Ola-Davies OE, **Saba AB,** Adedapo AA, Emikpe BO, Oyeyemi MO, Nkadimeng SM, McGaw LJ, Kayoka-Kabongo PN, Oguntibeju OO, Yakubu MA (2022): Clofibrate, a peroxisome proliferator–activated receptor-alpha (PPARα) agonist, and its molecular mechanisms of action against sodium fluoride–induced toxicity. *Biol Trace Elem Res* **200**, 1220–1236. https://doi.org/10.1007/s12011-021-02722-1

(120) Oyewusi, J.A., Oridupa, O.A., **Saba, A. B**., Oyewusi, I.K., (2021). Anti-inflammatory and analgesic effects of methanol extract of red cultivar Allium cepa bulbs in laboratory animals. Journal of Basic and Clinical Pharmacology and Physiology 32 (5): 1-6

(121) Oridupa, O.A., Awotunsin, K.O., Ogunsola, J.O., Obisesan, A.D., **Saba, A.B.**, (2021). Simulation of haemo- and biochemical toxicities associated with chronic inhalation exposure to 2,2-DichloroVinyl Dimethyl Phosphate (DDVP) in Wistar rat. Environmental Toxicology and Pharmacology 82;103547: 1-5.

(122) Oridupa, O.A., Omobowale T.O., Oyagbemi A.A., Ovwighose O.N., Obisesan, A.D., **Saba, A.B. (**2021). Antioxidant activity enhancement and inhibition of oxidative damage by Lagenaria breviflora Roberty and Xanthosoma sagittifolium Exell in hypertensive Wistar rats. Journal of Traditional and Complementary Medicine. In press

(123) Oyewusi, A. J., Oridupa, O. A., **Saba, A. B.,** & Oyewusi, I. K. (2022). Comparative anti-inflammatory and analgesic effects of fractions of Allium cepa L. bulb red cultivar extracts in rats and mice. Journal of Sustainable Veterinary & Allied Sciences, 3(1). https://doi.org/10.54328/covm.josvas.2022.081

(124) Ajibade, T., Akinrinde, A., Adetona, M., Oyagbemi, A., Adedapo, A., Larbie, C., Omobowale, T., Ola-Davies, O., **Saba, A.,** Oguntibeju, O., & Yakubu, M. (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. Nigerian Journal of Physiological Sciences, 37(1), 35–42. https://doi.org/10.54548/njps.v37i1.5

(125) Oyagbemi, A. A., Adejumobi, O. A., Jarikre, T. A., et al. (2022). Clofibrate, a peroxisome proliferator–activated receptor-alpha (PPARα) agonist, and its molecular mechanisms of action against sodium fluoride–induced toxicity.

Biological Trace Element Research, 200, 1220–1236. https://doi.org/10.1007/s12011-021-02722-1

(126) Oyagbemi, A. A., Adebayo, A. K., Adebiyi, O. E., Adigun, K. O., Folarin, O. R., Esan, O. O., Ajibade, T. O., Ogunpolu, B. S., Falayi, O. O., Ogunmiluyi, I. O., Omobowale, T. O., Ola-Davies, O. E., Olopade, J. O., **Saba, A. B.,** Adedapo, A. A., Nkadimeng, S. M., McGaw, L. J., Yakubu, M. A., Nwulia, E., & Oguntibeju, O. O. (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, 28(3), 263–272. https://doi.org/10.1080/1354750X.2022.2164354

(127) Oyagbemi, A. A., Ajibade, T. O., Esan, O. O., Adetona, M. O., Obisesan, A. D., Adeogun, A. V., & Oguntibeju, O. O. (2023). Naringin abrogates angiotensin-converting enzyme (ACE) activity and podocin signalling pathway in cobalt chloride-induced nephrotoxicity and hypertension. Biomarkers, 28(2), 206–216. https://doi.org/10.1080/1354750X.2022.2157489

(128) Ajibade, T. O., Awodele, O. A., Tijani, M. O., et al. (2023). L-arginine and lisinopril supplementation protects against sodium fluoride–induced nephrotoxicity and hypertension by suppressing mineralocorticoid receptor and angiotensin-converting enzyme 3 activity. Environmental Science and Pollution Research, 30, 23263–23275. https://doi.org/10.1007/s11356-022-23784-1

(129) Oyagbemi, A. A., Ajibade, T. O., Esan, O. O., et al. (2024). Cardioprotective and renoprotective effects of melatonin and vitamin E on fluoride-induced hypertension and renal dysfunction in rats. Comparative Clinical Pathology, 33, 33–45. https://doi.org/10.1007/s00580-023-03519-5

(130) Ajibade, T. O., Esan, O. O., Osawere, I. M., Adetona, M. O., Aina, O. O., Azeez, O. I., Obisesan, A. D., Oyagbemi, A. A., Ola-Davies, O. E., Omobowale, T. O., **Saba, A. B.**, Adedapo, A. A., Yakubu, M. A., & Oguntibeju, O. O. (2024). Cardiovascular and renal oxidative stress-mediated toxicities associated with bisphenol-A exposures are mitigated by Curcuma longa in rats. Avicenna Journal of Phytomedicine, 14(2), 202–214. https://doi.org/10.22038/AJP.2023.23367

(131) Oyagbemi, A. A., Hassan, F. O., Adebiyi, O. E., Adigun, K. O., Folarin, O. R., Ajibade, T. O., Esan, O. O., Omobowale, T. O., Ola-Davies, O. E., Olopade, J. O., **Saba, A. B.**, Adedapo, A. A., Nkadimeng, S. M., McGaw, L. J., Nwulia, E., Yakubu, M. A., & Oguntibeju, O. O. (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), 390–398.

(132) Olakojo, T. A., Akinniyi, O. O., Dansu, E. O., Adeoye, A. O., Adah, O., Nwufoh, O. C., Adeoye, B. O., Oridupa, O. A., & **Saba, A. B**. (2025). Misconceptions and

misuse: assessing horse caregivers' knowledge, attitudes, and practices regarding dexamethasone use in Ibadan, Nigeria. Journal of Equine Science, 36(3), 103–113. https://doi.org/10.1294/jes.36.103

(133) Oyagbemi, A. A., Femi-Akinlosotu, O. M., Obasa, A. A., Ojo, M. S., Salami, A. T., Ajibade, T. O., Onukak, C. E., Igado, O. O., Esan, O. O., Oyagbemi, T. O., Adeogun, A. V., Awoyomi, O. V., Ikokide, J. E., Jaja, I. F., Ola-Davies, O. E., Omobowale, T. O., **Saba, A. B.**, Oguntibeju, O. O., Nwulia, E., & Yakubu, M. A. (2025). Apigenin mitigates oxidative stress, neuroinflammation, and cognitive impairment but enhances learning and memory in aluminum chloride-induced neurotoxicity in rats. Alzheimer's & Dementia, 21(5), e70223. https://doi.org/10.1002/alz.70223

(134) Adefegha, O. M., **Saba, A. B.,** Oridupa, O. A., et al. (2025). Protective effect of methanol extract of mustard (Brassica juncea) seed on cisplatin-induced cardiotoxicity in rats. Comparative Clinical Pathology, 34, 119–131. https://doi.org/10.1007/s00580-024-03630-1