

# CURRICULUM VITAE

## A. PERSONAL DATA:

1. NAME: **ADEYEMI, Oluyomi Stephen**
2. DATE OF BIRTH **22/09/1979**
3. STATE OF ORIGIN: **Kwara**
4. NATIONALITY: **Nigerian**
5. MARITAL STATUS: **Married**

## B. EDUCATIONAL BACKGROUND:

### Educational Institution Attended with Dates:

- University of Ilorin, Nigeria (PhD Biochemistry) 2006 – 2011
- University of Ilorin, Nigeria (MSc Biochemistry) 2003 – 2005
- University of Ilorin, Nigeria (BSc Biochemistry) 1998 – 2001

## C. MEMBERSHIP OF LEARNED SOCIETIES

1. Nigeria Young Academy (NYA) – Member
2. American College of Toxicology (ACT) - Member
3. West African Society for Pharmacology (WASP) – Member
4. Nigerian Society for Experimental Biology (NISEB) – Member
5. Nigerian Society for Biochemistry and Molecular Biology (NSBMB) – Member
6. International Society for Computational Biology (ISCB) – Member
7. Japan Society for Parasitology (JSP) – Member
8. Athens Institute for Education and Research (ATINER) – Member
9. European Society of Clinical Microbiology and Infectious Diseases (ESCMID) – Member
10. Japan Society for Veterinary Science (JSVS) - Member

## D. FELLOWSHIPS AND AWARDS:

- 8<sup>th</sup> Japan Veterinary Science Prize Award Fellow (JVS) 2017 – 2018.
- Japan Society for Promotion of Science(JSPS) Visiting Fellowship, Obihiro University of Agriculture & Veterinary Medicine, Japan. 2015.
- TWAS/CNPq Fellowship, Institute of Biomedical Sciences, Federal University of Uberlandia, Brazil. 2015.
- KANEHI Grant-in-Aid Research Grant for JSPS Fellows. 2015 – 2017.
- Global Health Travel Grant. Keystone Symposia on Molecular and Cellular Biology (Global Health Series – China). 2015.

- African Academy of Science (AAS)/New Partnership for Africa's Development (NEPAD) Travel Grant (Ethiopia). 2015.
- International Foundation for Science (IFS) Research Grant, F/5672-1. 2014.
- Commonwealth Science Grant. Science for the Common Good (India). 2014.
- NIH Travel Grant. 2nd West Africa Workshop in Biomedical Research; International Center for Excellence in Research, University of Bamako, Mali. 2014.
- Alexander von Humboldt Conference Grant (Nigeria). 2013.
- EUROTOX Travel Grant (Switzerland). 2013.
- Rhodes University Postdoctoral Fellowship, Department of Biochemistry, Microbiology & Biotechnology, Rhodes University, South Africa. 2013.
- NRF Postdoctoral Research Fellowship, Department of Biochemistry, Microbiology & Biotechnology, Rhodes University, South Africa. 2012.
- BioVision/Twas/NXT Fellow, Linking Science to Society (BVA Alexandria, Egypt). 2012.
- BioVision/Twas/NXT Fellow, Linking Science to Society (BVA Alexandria, Egypt). 2010.
- Rhodes University International Conference Grant. International Conference on Nanotechnology in Medicine "NanoMED"; University College London, London, UK. 2012.
- ESF Research Travel Grant. Infectious Diseases: From Basic To Translational Research, (South Africa). 2009.

#### **E. RESEARCH GRANTS:**

- International Foundation for Science (IFS) Research Grant, 2015 – 2017
- Grant-in-Aid Research Grant for JSPS Fellows, 2015 - 2017

#### **F. BIOCHEMICAL SKILLS:**

- Biochemical techniques, assay development, histopathology, molecular cloning, tissue culture, microbial culture, flow cytometry, immunofluorescence

#### **G. WORK EXPERIENCE WITH DATES:**

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| a. Bells University of Technology, Ota | 2008 – 2009 |
| b. Redeemer's University, Mowe         | 2009 – 2013 |
| c. Landmark University, Omu-Aran       | 2013 – Date |

#### **H. PRESENT EMPLOYMENT**

- Associate Professor; Landmark University

#### **I. EXTRA CURRICULAR ACTIVITIES**

- Educational & Church outreaches, scientific exhibitions, indoor games and sports

#### **J. RESEARCH FOCUS & ACADEMIC PLAN**

- (i) My research focus is in the area of Medicinal Biochemistry and Toxicology. This involves directing biochemical principles/techniques to identify, design and develop therapeutically useful agents as well as evaluate for potential toxicity. Particularly, my investigations engage the screening of medicinal plants and/or natural products as well as synthetic compounds for anti-parasitic and other health-promoting properties. This includes the identification and characterization of relevant active principles as well as the mechanistic studies. Recently, my research also has been exploiting nanotechnology for newer biomedical applications *viz-a-viz* the molecular characterization of the interaction between metal nanoparticles and biomedical targets toward the development of selective inhibitors for therapeutic purposes. Further, a part of my research interest focuses on the toxicological studies of chemical compounds including drugs, nanoparticles, medicinal plants and/or herbal formulations using *in vitro*, *in silico* and mouse models. The goal is to establish the toxicity/safety profile for new and existing chemical compounds toward promoting good public health. Part of the goal is also to sensitize the public to the safety concerns over the habitual use of herbals and/or medicinal plants as well as help them make informed choices.
- (ii) In furtherance of my academic and research pursuit, I remain passionate about the training of students to become graduate entrepreneurial and innovative thinkers capable of developing the next great idea in order to create opportunities for others. It is my hope also, to continue to significantly impact lives through public service and outreach as well as encourage and support academic strategies, that could help establish strong reputation for excellence and quality academic mentorship.

## PUBLICATIONS

### Patents

1. Kentaro Kato, Oluyomi Stephen **ADEYEMI** (2017). JB-2017-205211. Anti-*Toxoplasma* agent.
2. Kentaro KATO and Oluyomi Stephen **ADEYEMI**. (2017). JP-2017-076436B. Amino acid-nanoparticles as anti-*Toxoplasma* drug.

### Books/Chapters in Books:

1. **Adeyemi OS**, Otuechere CA, Atolani O, Ekor M. (2013). Chemopreventive and Therapeutic Benefits of Lycopene, Zeaxanthin, Lutein and Astaxanthin. International E – Publication, India. pp 1 – 39, ISBN: 978-81-927544-8-2.
2. **Adeyemi OS**, Sulaiman AF, Akanji MA (2012). Anemia: Iron and Nitric Oxide in Anemia of Chronic Disease (ACD), (Intech Publisher). ISBN: 978-953-51-0138-3.

### Research Article:

1. **Adeyemi OS**, Murata Y, Sugi T, Han Y, Kato K. (2017). Exploring amino acid-capped nanoparticles for selective anti-parasitic action and improved host biocompatibility. J Biomed Nanotechnol. *In Press*

2. **Adeyemi OS**, Sugi T, Han Y, Kato K. (2017). Screening of chemical compound libraries identified new anti-*Toxoplasma gondii* agents. *Parasitol Res. In Press*
3. **Adeyemi OS**, Murata Y, Sugi T, Han Y, Kato K. (2017). Modulation of host HIF-1 $\alpha$  activity and the tryptophan pathway contributes to the anti-*Toxoplasma gondii* potential of nanoparticles. *Biochem Biophys Rep.* 11: 84–92.
4. Adejumo IO, Adetunji CO, **Adeyemi OS**. (2017). Influence of UV light exposure on mineral composition and biomass production of *mycomeat* produced from different agricultural substrates. *J Agric Sci.* 62(1): 51-59.
5. **Adeyemi OS**, Murata Y, Sugi T, Kato K. (2017). Inorganic nanoparticles caused death of *Toxoplasma gondii* through alteration of redox status and mitochondrial membrane potential. *Int J Nanomedicine.* 12: 1647–1661
6. **Adeyemi OS**, Molina MT, Eseola AO, Fonseca-Berzal C, Gómez-Barrio A (2017). New imidazole compounds active against *Trypanosoma cruzi* Combinatorial Chemistry & High Throughput Screening. 20(1): 20-24.
7. **Adeyemi OS**, Meyakno E, Akanji MA. (2017) Inhibition of Kupffer cell functions modulates arsenic intoxication in Wistar rats. *Gen Physio & Biophys.* 36 (2), 219-227
8. **Adeyemi OS**, Aroge CS, Akanji MA. (2017). *Moringa oleifera*-based diet protected against nickel-induced hepatotoxicity in rats. *J Biomed Res.* 31(4): 350-357.
9. **Adeyemi OS**, Sulaiman FA, Akanji MA, Oloyede HOB, Olatunde A, Ajayi AG, Salman ST, Aransiola AR, Ekundayo MM, Abuabkar FA, Olaoye SA. (2016). Biochemical and morphological changes in rats exposed to platinum nanoparticles. *Comp Clin Pathol.* 25(4): 855-864 [Springer; ISI/SCOPUS]
10. Awakan OJ, Johnson OE, Awakan VA, **Adeyemi OS**, Oloyede O. (2016). Effect of *Citrullus vulgaris* on some functional indices of selected tissues of Wistar rats. *Comp Clin Pathol.* 25(6): 1127-1132
11. Owa SO, Taiwo AA, Okosun JA, Otohinoyi DA, Akujobi YO, Oyewale DG, Ibraheem O, Edewor-Ikupoyi TI, **Adeyemi OS** (2016). Biochemical effects of lime concentrate ‘*aporo*’ and *mucuna pruriens* seeds extract in alloxan-induced diabetic rats. *J Taibah Univ Med Sci.* 11(3): 260-267 [Elsevier; ISI/SCOPUS]
12. Owa SO, Oyewale DG, Taiwo AA, Edewor-Ikupoyi TI, Okosun JA, Otohinoyi DA, Akujobi YO, Nwonuma CO, **Adeyemi OS** (2016). Antidiabetic and Antidyslipidemic Effect of Ethanolic Extract of *Alternanathera pungens* on Alloxan-Induced Diabetic Rats. *Asian J Biochem,* 11: 82-89. [ISI/SCOPUS]
13. Sulaiman FA, Kazeem MO, Akanji MA, Sulaiman AA, Igwe OI, Asunmogejo RO, Oluwafemi WI, Anifowose SA, **Adeyemi OS**, Jimoh AM, Abdul Rahman NA. (2016). Bioconversion of *Aspergillus niger* KM treated rice and wheat bran for experimental rat feed formulation. *Biokemistri.* 28(2): 96-105
14. Sulaiman FA, **Adeyemi OS**, Akanji MA, Oloyede HOB, Sulaiman AA, Olatunde A, Hoseni A, Olowolafe Y, Nlebedim R, Murtala H, Nafiu MO, Salawu M. (2015). Biochemical and morphological alterations caused by silver nanoparticles in Wistar rats. *J. Acute Med,* 5(4): 96-102 [Elsevier; ISI/SCOPUS]
15. Sulaiman FA, Akanji MA, Oloyede HOB, Sulaiman AA, Olatunde A, Joel EB, Adewale TH, Adeboye HA, Idris SO, Quadri AL, Oyegoke RA, **Adeyemi OS** (2015). Oral Exposure to Silver/Gold Nanoparticles: Status of Rat Lipid Profile, Serum Metabolites and Tissue Morphology. *J Med Sci,* 15: 71-79. [ISI/SCOPUS]
16. **Adeyemi OS**, Sulaiman FA. (2015). Evaluation of metal nanoparticles for drug delivery systems. *J Biomed Res,* 29(2): 145-149 [Elsevier; ISI/SCOPUS]

17. **Adeyemi OS**, Owoseni MC. (2015). Polyphenolic content and biochemical evaluation of fijk, alomo, osomo and oroki herbal mixtures *in vitro*. Beni-Suef Univ J Basic Appl Sci, 4(3):200-206 [Elsevier; SCOPUS]
18. Sulaiman FA, Ahmed El-Imam AM, Adeyemo AA, Muhammed RB, Sulaiman AM, Aliyu O, **Adeyemi OS** (2015). *Aspergillus niger*-fermented *Jatropha curcas* seed cake: proximate composition and effects on biochemical indices in Wistar rats. Biological Lett. 51(1): 37-46 [Springer; ISI/SCOPUS]
19. **Adeyemi OS**, Akinwande OV (2015). Rat plasma metabolites and renal morphology following oral and repeated exposure to Fijk herbal mixture. Res J Med Plant, 9(1): 34 – 41 [ISI/SCOPUS]
20. **Adeyemi OS**, Orekoya B. (2014). Lipid profile and oxidative stress markers in rats following oral and repeated exposure to Fijk herbal mixture. Journal of Toxicology, vol. 2014, Article ID 876035, 7 pages, 2014. doi:10.1155/2014/876035 [ISI/SCOPUS]
21. **Adeyemi OS**, Elebiyo, TC (2014). *Moringa Oleifera* supplemented diets prevented nickel-induced nephrotoxicity in Wistar rats. Journal of Nutrition and Metabolism. Journal of Nutrition and Metabolism, vol. 2014, Article ID 958621, 8 pages, 2014. doi:10.1155/2014/958621 [SCOPUS]
22. **Adeyemi OS**, Adewumi I, Faniyan TO (2014). Silver nanoparticles influenced rat serum metabolites and tissue morphology, J Basic Clin Physiol Pharmacol, 26(4):355-361 [De Gruyter; ISI/SCOPUS]
23. **Adeyemi OS**, Adewumi I (2014). Biochemical alterations in Wistar rats following oral exposure to silver nanoparticles, International Scholarly Research Notices, vol. 2014, Article ID 196091, 8 pages, 2014. doi:10.1155/2014/196091
24. **Adeyemi OS**, Sulaiman FA, Iniaghe MO (2014). Interaction between gallotannin and a recombinant form of arginine kinase of *Trypanosoma brucei* (TbAK): Thermodynamic and spectrofluorimetric evaluation. Journal of Biophysics, vol. 2014, Article ID 675905, 7 pages, 2014. doi:10.1155/2014/675905 [SCOPUS]
25. Atolani O, Oladoye S, **Adeyemi OS**, Olatunji GA (2014). *In-vitro* Anti-proliferative and Antimicrobial Evaluation of *Kigelia pinnata*, Environ Exp Biol 12: 29–32. [ISI/SCOPUS]
26. Sulaiman FA, Kazeem MO, Waheed AM, Temowo SO, Azeez IO, Zubair FI, Adeyemi A, **Adeyemi OS** (2014). Antimicrobial and toxic potentials of the aqueous extracts of *Allium sativum*, *Hibiscus sabdariffa* and *Zingiber officinale* in Wistar rats. J Taibah Uni Sci, 8: 315-322 [Elsevier; SCOPUS]
27. **Adeyemi OS**, Faniyan T (2014). Antioxidant status in rats orally administered silver nanoparticle, J Taibah Uni Med Sci, 9(3): 182-186 [Elsevier; SCOPUS]
28. **Adeyemi OS**, Whiteley CG. (2014). Interaction of nanoparticles with recombinant arginine kinase from *Trypanosoma brucei*: Thermodynamic and spectrofluorimetric evaluation. Biochimica et Biophysica Acta. 1840:701-706. [Elsevier; ISI/SCOPUS]
29. **Adeyemi OS**, Sulaiman FA. (2014). Co-administration of iron sulphate and nitroglycerin promoted oxidative stress and mild tissue damage in Wistar rats" Comp Clin Pathol, 23: 1525-1533 [Springer; ISI/SCOPUS]
30. **Adeyemi OS**, Whiteley CG. (2013). Interaction of nanoparticles with arginine kinase from *Trypanosoma brucei*: Kinetic and mechanistic evaluation. International Journal of Biological Macromolecules. 62:450-6. [Elsevier; ISI/SCOPUS]

31. **Adeyemi OS**, Edkins AL, Whiteley CG. (2013). Metal nanoparticles caused death of metastatic MDA-MB-231 breast cancer cells. *Toxicol Lett.* 221:S243 [Elsevier; ISI/SCOPUS]
32. Olukanni OD, Akande OT, Alagbe YO, **Adeyemi OS**, Olukanni AT, Daramola GG (2013). Lemon Juice Elevated Level of Reduced Glutathione and Improved Lipid Profile in Wistar Rats. *American-Eurasian J. Agric. & Environ. Sci.*, 13 (9): 1246-1251. [ISI/SCOPUS]
33. Ekor M, **Adeyemi OS**, Otuechere CA (2013). Management of Anxiety and Sleep Disorders: Role of Complementary and Alternative Medicine and Challenges of Integration with Conventional Orthodox Care. *Chin J Integr Med.* 19(1): 5-14. [Springer; ISI/SCOPUS]
34. **Adeyemi OS**, Sulaiman FA (2012). Biochemical and morphological changes in *Trypanosoma brucei brucei*- infected rats treated with homidium chloride and diminazene aceturate. *J Basic Clin Physiol Pharmacol.* 23(4): 179 – 183 [De Gruyter; ISI/SCOPUS]
35. Fabiyi OA, Atolani O, **Adeyemi OS**, Olatunji GA (2012). Antioxidant and Cytotoxicity of  $\beta$ -Amyrin acetate fraction from *Bridelia ferruginea* Leaves. *Asian Pacific Journal of Tropical Bio.* 1-5 [Elsevier; ISI/SCOPUS]
36. **Adeyemi OS**, Fambege M, Daniyan OR, Nwajei I (2012). Yoyo Bitters, a polyherbal formulation influenced some biochemical parameters in Wistar rats. *J Basic Clin Physiol Pharmacol.* 2012; 23(4): 135-138. [De Gruyter; ISI/SCOPUS]
37. **Adeyemi OS**, Akanji MA, Ekanem JT (2012). Ethanolic extract of *Psidium guajava* influences protein and bilirubin levels in *Trypanosoma brucei brucei* infected rats. *J Biol Sci.* 12: 111-116 [ISI/SCOPUS]
38. **Adeyemi OS**, Sykes ML, Akanji MA, Avery VM (2011). Anti-trypanosoma and cytotoxic activity of ethanolic extracts of *Psidium guajava* leaves in Alamar Blue based assays. *Vet. Arhiv*,81(5): 623-633. [ISI/SCOPUS]
39. Atolani O, **Adeyemi OS**, Essiet A, Adeosun BC, Olatunji AG (2011). Chemical composition and antioxidant potentials of *kigelia pinnata* root oil and extracts. *EXCLI Journal*, 10: 264 - 273. [ISI/SCOPUS]
40. **Adeyemi OS**, Akanji MA (2011). Iron and nitric oxide play key role in the development of cardiovascular disorder. *Journal of Toxicology and Environmental Health Science*, 3(9): 249 - 253. [AJOL]
41. **Adeyemi OS**, Akanji MA, Johnson TO, Ekanem JT (2011). Iron and nitric oxide balance in African Trypanosomosis: Is there really a link? *Asian J. Biochem.* 6(1): 15 - 28. [ISI/SCOPUS]
42. **Adeyemi OS**, Akanji MA, Ekanem JT (2010). Anti-anaemic properties of the ethanolic extracts of *Psidium guajava* in *Trypanosoma brucei brucei* infected rats. *Research Journal of Pharmacology*, 4(3): 74 – 77 [SCOPUS]
43. **Adeyemi OS**, Akanji MA (2010). *Psidium guajava* leaf extract: Effects on rat serum homeostasis and tissue morphology. *Comp Clin Pathol*, 21: 401-407 [Springer; ISI/SCOPUS]
44. **Adeyemi OS**, Akanji MA (2010). Biochemical changes in the kidney and liver of rats following administration of ethanolic extract of *Psidium guajava* leaves. *Human and Experimental Toxicology*, 30(9): 1266-1274. [SAGE; ISI/SCOPUS]

45. Otuechere CA, **Adeyemi OS** (2010). Chronic disease management in developing nations: The possible role of telemedicine. *Pacific Journal of Science and Technology*; 11(1): 309 – 316 [Akama University, USA]
46. Sulaiman FA, **Adeyemi OS** (2010). Changes in haematological indices and protein concentrations in *Trypanosoma* infected-rats treated with homidium chloride and diminazene aceturate. *EXCLI Journal*; 9:39-45 [ISI/SCOPUS]
47. Atolani O, Olatunji AG, **Adeyemi OS**, Fayemi OS (2009). Antioxidant and Antimicrobial Activity of Cuticular Wax from *Kigelia Africana*. *FABAD J. Pharm. Sci.*, 34: 67-72 [ISI/SCOPUS]
48. **Adeyemi OS**, Ekanem JT and Sulyman F (2009). Depletion of parasitaemia by halofantrine hydrochloride and artemether in rats infected with African trypanosomes. *African Journal of Pharmacy and Pharmacology*, 3 (9): 432 – 438 [SCOPUS]
49. Akanji MA, **Adeyemi OS**, Oguntoye SO, Sulyman F (2009). *Psidium guajava* extract reduces trypanosomosis associated lipid peroxidation and raises glutathione concentrations in infected animals. *EXCLI Journal* 8:148-154 [ISI/SCOPUS]
50. **Adeyemi OS**, Akanji MA, Oguntoye SA (2009). Ethanolic leaf extract of *Psidium guajava*: Phytochemical and trypanocidal activity in rats infected with *Trypanosoma brucei brucei*. *J Med Plants Res* 3(5): 420-423 [SCOPUS]
51. **Adeyemi OS**, Oladiji AT (2009). Compositional changes in banana (*musa spp.*) fruits during ripening. *African Journal of Biotechnology* 8 (5), 858-859. [SCOPUS]
52. Ekanem JT, Sulyman FA, **Adeyemi OS** (2005). Therapeutic properties and serum iron in *Trypanosoma brucei brucei*- infected rats treated with amodiaquine and mefloquine. *Biokemistri* 17 (2): 115-121. [NISEB]

#### K. POSTGRADUATE SUPERVISION:

1. Phila Lona Madlala MSc. (2012) - Department of Biochemistry, Microbiology & Biotechnology, Rhodes University, South Africa. **MSc. thesis:** Characterisation of the interaction between nanoparticles and biomedical targets in *Trypanosoma brucei* - **Co-Supervision**
2. Madalitso Martin Mlozen MSc. (2012) - Department of Biochemistry, Microbiology & Biotechnology, Rhodes University, South Africa. **MSc. thesis:** Comparative study of the effect of silver and gold nanoparticles on the activities of recombinant hexokinase from human and *Trypanosoma brucei* - **Co-Supervision**

#### L. ADMINISTRATIVE EXPERIENCE

- **Member** – Postgraduate School Board, Landmark University, Omu-Aran, Nigeria
- **Departmental Postgraduate Coordinator**, Landmark University, Omu-Aran, Nigeria
- **Head of Unit** – Biochemistry, Landmark University, Omu-Aran, Nigeria
- **Member** – Landmark University Research Committee
- **Member** – Institutional Research Ethics Committee (IREC) - Redeemer's University
- **Assistant Examination Officer** – Bells University of Technology, Ota

## M. PROFESSIONAL ACTIVITIES

- Scientific Member – The Science Advisory Board
- Reviewer to several international journals, e.g.,
  1. Human and Experimental Toxicology (SAGE)
  2. Natural Product (Taylor & Francis)
  3. Journal of Medicinal Plant Research (Academic Journals)
  4. African Journal of Biotechnology (Academic Journals)
  5. WebMed Central (Webmed)
  6. Pharmaceutical Biology (Informa Healthcare)
  7. Journal of Pharmacognosy and Phytotherapy (Academic Journals)
  8. Journal of Medical Laboratory and Diagnosis (Academic Journals)
  9. Journal of Tropical Biomedicine
  10. Journal of Pharmacology and Experimental Therapeutics (ACS)
  11. Parasitology International (Oxford)
  12. Food Biochemistry (Taylor & Francis)
  13. BMC Complementary & Alternative Medicine
  14. Toxicology Letters (Elsevier)
- Editorial Member – International Journal of Nanotechnology and Nanomedicine Research
- Associate Editor – Biomedical Investigation (BI)
- Associate Editor – Reactive Oxygen species (ROS)
- Associate Editor – Frontiers of Biological & Life Sciences (FBLS)
- Editor – African Scientist (NISEB Journal)
- Editor & Faculty Member – Biochemistry (Webmed Central Plus)
- Editor – Annals of Science & Technology (AST)

## N. CONFERENCE PROCEEDINGS AND WORKSHOPS:

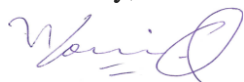
1. 160<sup>th</sup> Annual Meeting of the Japan Veterinary & Medical Science (JVMS) held at the Kagoshima University, Japan between the 12<sup>th</sup> – 15<sup>th</sup> September, 2017. **Adeyemi OS**, Kentaro K. Exploring amino acid modification of nanoparticle for selective anti-parasite action and enhanced biocompatibility.
2. 86<sup>th</sup> Annual Conference of the Japan Society of Parasitology held at the Hokkaido University, Sapporo, Japan, between the 28<sup>th</sup> and 29<sup>th</sup> May, 2017. **Adeyemi OS**, Kentaro K. Exploring amino acid modification of nanoparticle surface for selective anti-parasite action and enhanced biocompatibility.
3. 85<sup>th</sup> Annual Conference of the Japan Society of Parasitology held at the Miyazaki City Hall, Japan, between the 18<sup>th</sup> and 20<sup>th</sup> March, 2016. **Adeyemi OS**, Kentaro K. Metal nanoparticles showed anti-proliferative activity against *Toxoplasma gondii* *in vitro*



4. Keystone Symposia on Molecular and Cellular Biology [Global Health Series]. Theme: Human Nutrition, Environment and Health. 14<sup>th</sup> – 18<sup>th</sup> October, 2015 at the China World Hotel, Beijing China. **Adeyemi OS**, Aroge CS. Hepatoprotective effect of Moringa oleifera-based diet against nickel-induced toxicity in rats
5. African Academy of Science(AAS)/New Partnership for Africa's Development (NEPAD) Workshop on Proposal Development for Early and Mid-Career African Scientists. 13<sup>th</sup> – 16<sup>th</sup> July, 2015, Addis Ababa, Ethiopia.
6. 5th General Assembly/Annual Conference of the Nigerian Young Academy held at the Federal University of Technology, Minna, Nigeria, between the 18th and 21st May, 2015. **Adeyemi OS**, Sulaiman FA. Gallotannin caused death of MDA-MB-231 cells through alteration of redox status
7. Commonwealth Science Conference. Theme: Science for the common good. 25<sup>th</sup> – 28<sup>th</sup> November, 2014 at the Lalit Ashok Hotel, Bangalore, India.
8. 4th General Assembly/Annual Conference of the Nigerian Young Academy held at the University of Ilorin, Ilorin, Nigeria, between the 8th and 11th July, 2014.
9. 2nd West Africa Workshop in Biomedical Research; International Center for Excellence in Research, University of Bamako, Mali, 05 – 18 January, 2014.
10. 13th Annual Scientific Conference of the Nigerian Society for Experimental Biology (NISEB) held at the University of Ilorin, Ilorin, Nigeria. March, 2013. FA Sulaiman, OS Adeyemi; "Iron sulphate and Nitroglycerin Potentiates Lipid Peroxidation and Elevated Levels of Tissue Marker Enzyme in Wistar Rats"
11. Alexander von Humboldt Conference: Evolution of Nanotechnology, Nanomedicine and Nanotoxicology Research in Nigeria; a call for multidisciplinary collaborations. OS Adeyemi, CG Whiteley; "Exploiting silver/gold nanoparticles in modulating the efficacy and toxicity of drugs"
12. The NAS-NYA West Africa Regional Workshop for Chemical Scientist: OS Adeyemi, CG Whiteley; "Characterising the interaction between tannin and recombinant arginine kinase of *Trypanosoma brucei*"
13. The 3rd Nigeria Young Academy General Assembly/National Conference: Innovation and sustainability for national development held at the University of Ibadan, Nigeria. July, 2013.'
14. EUROTOX 2013, Spain. OS Adeyemi, AL Edkins, CG Whiteley; 'Metal nanoparticles cause death of metastatic MDA-MB-231 cells'
15. 32nd Scientific Conference of the Nigerian Society for Biochemistry and Molecular Biology (NSBMB), held at the University of Calabar, Calabar, Nigeria. November, 2012. FA Sulaiman, OS Adeyemi; "Biochemical and morphological changes in *Trypanosoma brucei brucei*- infected rats treated with homidium chloride and diminazene aceturate"
16. International Conference on Nanotechnology in Medicine "NanoMED"; University College London, London, United Kingdom 2012. OS Adeyemi, CG Whiteley;

- “Characterising the interaction between silver/gold nanoparticles and recombinant form of arginine kinase of *Trypanosoma brucei* (TbAK)”
17. BioVision/Twas/NXT Conference, ‘Linking Science to Society’ held at BVA Alexandria, Egypt. April, 2012. OS Adeyemi, MA Akanji; “Correlation between induced iron increase and morphological changes in infected rat tissues: Implication for chelation therapy”
  18. The workshop of the Nigerian Young Academy (NYA) with theme “Essentials of Quality Research Output” at the Covenant University, Ota, Nigeria. October, 2011.
  19. 36th Scientific Conference of the West African Society for Pharmacology (WASP) at the Kwame Nkrumah University of Science & Technology, Kumasi, Ghana. OS Adeyemi, M Famgbebe, SR Daniyan; “Yoyo bitters, a polyherbal formulation induced lipid peroxidation and elevated superoxide dismutase activities in Wistar rats”
  20. The Nigerian Young Academy 1st General Conference/ Inaugural Assembly with theme ‘Building the Nation through Research, Excellence and Integrity’ held at the Federal University of Technology, Owerri, Nigeria. May, 2011
  21. BioVision/Twas/NXT Conference, ‘Linking Science to Society’ held at BVA Alexandria, Egypt. April, 2010. OS Adeyemi, MA Akanji; “*Psidium guajava* leaf extract: Effects on serum homeostasis and rat tissue morphology”
  22. 30<sup>th</sup> Scientific Conference of the Nigerian Society for Biochemistry and Molecular Biology, held at the Kebbi State University of Science & Technology, Birnin Kebbi, Nigeria. October, 2010. OS Adeyemi, M Sykes, MA Akanji, M Avery; “Activity of ethanolic extracts of *Psidium guajava* in *Trypanosoma brucei brucei* and HEK 293 Alamar blue based assays”
  23. Workshop on the founding of the Nigerian Young Academy held at the Redeemer’s University, Mowe, Nigeria. August, 2010.
  24. 2<sup>nd</sup> International Workshop on Pattern Discoveries in Biology held at the Covenant University, Ota, Nigeria. July, 2009
  25. 1st International Workshop on Pattern Discoveries in Biology, held at the Covenant University, Ota, Nigeria. April, 2005.

Sincerely,



**ADEYEMI, Oluyomi Stephen (PhD)**