



CURRICULUM VITAE

A. Personal Data

1. Full name (Surname first): Oyeyemi, Oyetunde Timothy
(Formerly, Salawu, Oyetunde Timothy)
2. Details of Contact Address: Department of Biological Sciences,
University of Medical Sciences, Odoshida
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Nigeria.
 - a. E-mail Addresses: ooyeyemi@unimed.edu.ng;
zootund@yahoo.com
 - b. Mobile Phone Number: +2348163546787
3. Nationality: Nigerian
4. State of Origin: Osun State
5. Senatorial District: Osun West
6. Permanent Home Address: House 3, Celestial Church Road, Igba, Ondo,
Ondo State
7. Marital Status: Married
8. Number of Children and their Ages: Nil
9. Next of Kin: Nil
10. Details of Contact Address of Next of Kin: Dr. Ifeoluwa Oyeyemi
House 3, Celestial Church Road, Igba, Ondo,
Ondo State
 - (a) E-mail addresses: ioyeyemi@unimed.edu.ng;
lovetayo@yahoo.com
 - (b) Mobile Phone Number: +2348067436004
11. Date of Assumption of Duty: 3 April, 2017
12. Rank/status on First Appointment: Senior Lecturer/CONUASS 5 Step 1
13. Date of Last Promotion: 1 October, 2020
14. Present status: Reader
15. Present Salary, Grade Level and Step: CONUASS 6 Step 3
16. Date of Confirmation of Appointment: 3 April, 2020
17. Faculty/Directorate: Science/Central Office for Research &
Development
18. Department/Unit: Biosciences and Biotechnology

19. Academic scholarship links:

<https://scholar.google.com/citations?user=P-yagzIAAAAJ&hl=en>
<https://www.scopus.com/authid/detail.uri?authorId=56732871100>
<https://orcid.org/0000-0002-3089-2578>
<https://www.researchgate.net/profile/Oyetunde-Oyeyemi>

B. Educational Background

1. Higher Educational Institutions Attended with Dates:

| Department | Institution | Dates |
|-----------------------|--|-----------------------------|
| Department of Zoology | University of Ibadan, Ibadan, Oyo State, Nigeria | January, 2009 – March, 2014 |
| Department of Zoology | University of Ibadan, Ibadan, Oyo State, Nigeria | June, 2006 – June, 2008 |
| Department of Zoology | University of Ilorin, Ilorin, Kwara State, Nigeria | March, 2002 – June, 2005 |

2. Academic/Professional Qualifications and Distinctions Obtained with Dates:

| Qualifications | Institution | Distinctions (Dates) |
|----------------------|--|---|
| Ph.D. (Parasitology) | University of Ibadan, Ibadan, Oyo State, Nigeria | March, 2014 |
| M.Sc. (Parasitology) | University of Ibadan, Ibadan, Oyo State, Nigeria | Ph.D. Grade (June, 2008) |
| B.Sc. (Hons) Zoology | University of Ilorin, Ilorin, Kwara State, Nigeria | Second Class (Upper Division) CGPA; 4.29/5.00 |

3. Other Distinctions and Awards with Dates:

(a) Scholarship

1. Murli T. Chellaram Foundation Scholarship
Financial assistance to carryout part of Ph.D. research 2009
2. University of Ibadan Postgraduate School Scholar
A three-year scholarship awarded by the Postgraduate School, University of Ibadan, to carry out my Ph.D. research work. 2009-2012

(b) Fellowship

1. Fulbright African Research Scholar Programme
Nov. 2022 –
July, 2023

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- (2022-2023 Awardee) – tenable at the Old Dominion University, Virginia, United States of America.
2. Postdoctoral Research, Rene Rachou Institute Fundação Oswaldo Cruz – FIOCRUZ, Belo Horizonte, Brazil. May 2019 – Sept. 2020
 Research topic: Identification of protein markers for diagnosis of schistosomiasis.
3. University of Essex International Visiting Fellowship 10-24 March 2019
 An international fellowship to initiate a partnership with a faculty in the University of Essex in order to develop capacity on the use of microRNA in diagnosis of schistosomiasis. Award tenable at the University of Essex, United Kingdom.
4. Africa Research Excellent Fund (AREF) Excell Fellowship Programme 2018 - 2020
 The fellowship was to build the capacity of African 'rising stars' in leadership skills in global health. The training was undertaken in different countries as follows:
- Excell Researcher and Leadership Development Programme Workshop IV, African Population and Health Research Center (APHRC), Nairobi, Kenya, 26 - 28 February, 2020
- Excell Researcher and Leadership Development Programme Workshop III, Lake Victoria Hotel, Entebbe, Uganda, January, 21-27, 2019
- Excell Researcher and Leadership Development Programme Workshop II, Moller Centre, University of Cambridge, United Kingdom, October, 1-3, 2018
- Excell Researcher and Leadership Development Programme Workshop I, Dakar, Senegal, May 29-31, 2018
5. ANDI/ASRT Training and Fellowship Programme 2015
 Project Based Programme on Development, Production and Access to Diagnostics at the Immunology Department in Theodor Bilharz Research Institute (TBRI), Cairo, Egypt, November 1-December 11, 2015.
6. Postdoctoral Research, Product Development Cell, April – Oct. 2014
 National Institute of Immunology, New Delhi, India.
 Research topic: Polymeric particles dual entrapments of curcumin with artesunate and nisin for improved antimalarial and anticancer therapy

(c) Research Grants

1. Africa Research Excellent Fund – Excell Programme Capacity Building Grant. 2021
Grant awarded to AREF-Excell Fellows and Academic Lead to Organize a capacity building workshop for young Nigerian scientists (Value = €20,000)
2. National Research Fund (NRF) – Tertiary Education Trust Fund (TETFund) 2021
Principal investigator of a project on identifying common protein markers for *Schistosoma* spp. (Value = ₦ 30 million)
3. Seeding Labs Instrumental Access Grant 2019
A principal co-applicant for the instrumental access grant to develop the Molecular Biology Unit of my Department (Equipment worth = \$150,000)
4. Africa Research Excellent Fund – Excell Programme Capacity Building Grant. 2018
Grant awarded to AREF-Excell Fellows and Academic Lead to organize a capacity building workshop for young Nigerian scientists (Value = €10,000)
5. Babcock University Research Small Access Grant 2017
Principal investigator of a project on association of urogenital schistosomiasis and bladder pathologies (Value = ₦450,000)
6. Systematics Research Fund 2015
Co-principal investigator on a project on molecular identification of freshwater snails which are potential hosts of schistosomes – funded by the Linnean Society of London and the Systematics Association, UK, 2015 (Value = \$ 5000)

(d) National Awards

1. Outstanding Researcher of the Year (Senior Academics Category) 2022
2. Vice Chancellor Award of Best Researcher of the Year 2018
University of Medical Sciences Vice Chancellor Award to the most published researcher in reputable journals in 2018
3. Award of Publications in Ph.D. Thesis 2013
Award of publication of two (2) reputable articles from Ph.D. work before completion of the programme. Awarded by the Postgraduate School, University of Ibadan, Ibadan.
4. Best Graduating B.Sc. Student in the Department of Zoology 2005

Award given to student with the highest Cumulative Grade Point Average (CGPA) in the Department of Zoology, University of Ilorin, Ilorin, Kwara State - 2004/2005 graduating set (CGPA 4.29/5.00).

(e) International awards/Travel Grants

1. Tertiary Education Trust Fund (TETFund) – European Union Horizon Grant Proposal Writing – University of Turku, Finland, June 20 – 26, 2022. 2022.
2. ASTMH/BMGF Annual Meeting Travel Awards – Being an award to attend ASTMH 2021 Annual Meeting, November 17-21, 2021, USA. 2021
3. Travel Grant to attend course on 'Middle Eastern Biology of Parasitism' University of Bern, Bern, Switzerland, July 23 – August 6, 2017. 2017
4. Travel Award to attend the Eight EDCTP Forum. *"Defeating poverty-related and neglected diseases in Africa: harnessing research for evidence-informed policies"*. Lusaka Zambia, 6-9 November, 2016. 2016
5. The Global Health Travel Award funded by the Bill & Melinda Gates Foundation to attend the Keystone Symposium *"Co-infection: A Global Challenge for Disease Control,"* which took place on March 15-20, 2015, at the Centro de Artes e Convenções (UFOP), Ouro Preto, MG, Brazil. 2015
6. Travel Award to attend the Second Thematic School at LabEx CEBA, Merida Yucatan, Mexico, sponsored by French Ministry of Research and Higher Education November 17-22, 2014. 2014
7. Travel Award to attend the Africa Bio-Mathematics Initiative; Workshop on Genetics and Disease Control August 8 - 12, 2011. University of Cape Coast, Cape Coast, Ghana. 2011

C. Work Experience with Dates

1. Previous Work Experience Outside the University System with Dates:

- i. Emmanuel College, Abaranje, Ikotun, Lagos, Nigeria
Biology, Chemistry and Inter-Science teacher 2009
- ii. Bolson College, Oke-Aro, Ogun State
Biology, Chemistry and inter-science teacher 2005

2. Previous Work Experience in Other Universities

- i. Babcock University, Ilishan-Remo, Ogun State, Nigeria 2012 – 2017
Position: Lecturer
Roles/Responsibilities (Department):
- Developed pedagogical skills
 - Executed institutional-based funded project
 - Facilitated training and research opportunity linkage between faculty members and international partners
- ii. University of Ibadan, Ibadan, Nigeria 2009 – 2012
Position: Teaching and Research Assistant
- Assisted in training undergraduate students

3. Work Experience in University of Medical Sciences, Ondo 2017 till date

Current position: Reader, Department of Biological Sciences

Roles/Responsibilities (Department):

- Coordinated the activities of the Department as the immediate past Acting Head of Department
- Chaired the Department of Biological Sciences Research group
- Developed questions for quizzes, exams, and homework
- Revised courses curricula to meet up with the accreditation standards
- Taught students from 100 – 400 levels

4. Courses Taught Within the Current Academic Session (Undergraduate)

| Course code | Course title | Units | Unit taught |
|-------------|---------------------------------------|---------|-------------|
| BIO 212: | Biological Techniques | 2 units | 1 unit |
| AEB 211: | Invertebrate Zoology | 3 units | 1½ unit |
| EMT 211: | Introduction to Environmental Science | 2 units | 1 unit |
| AEB 311: | Vertebrate Zoology | 3 units | 1½ unit |
| AEB 325: | Biology of Tropical Parasites | 3 units | 1½ unit |
| BIO 312: | Field Course 1 | 3 units | 1½ unit |
| BIO 321: | Immunology | 3 units | 1½ unit |
| BIO 412: | Field Course 2 | 3 units | 1½ unit |
| BIO 421: | Biostatistics and Experimental Design | 2 units | 1 unit |
| AEB 422: | Principles of Parasitology | 3 units | 1½ unit |
| AEB 260: | SIWES (1) | 3 units | 3 units |
| AEB 360: | SIWES (2) | 3 units | 3 units |
| AEB 498: | Seminar | 3 units | 3 units |
| AEB 499: | Project | 6 units | 6 units |

5. Course Taught Within the Current Academic Session (Postgraduate)

| Course code | Course title | Units | Unit taught |
|-------------|--|-------|-------------|
| AEB 811 | Cellular Organisation Compartmentalization | 3 | 1½ |
| AEB 814 | Parasite Immunology | 3 | 1 |
| AEB 824 | Physiology and Biochemistry of Parasitic Diseases | 3 | 1½ |
| BIO 811 | Biostatistics | 2 | 1 |
| AEB 813 | Diseases and Transmission of Parasitic Protozoans | 3 | 1½ |
| AEB 823 | Transmission and Diseases of Helminth Parasites | 3 | 1½ |
| PBT 818 | Cytology | 2 | 1 |
| AEB 890 | Seminar | 2 | 2 |
| AEB 899 | Project | 6 | 6 |

6. Graduate Student Supervision within Current Session

- i. Kabirat Sulaiman – Identifying common markers for diagnosis schistosomiasis (Ph.D).
- ii. Olusola Osunyemi – Developing proteomics and metabolomics-based non-invasive diagnostic approaches for schistosomiasis.
- iii. Bolatito Oluwabiye – Impact of schistosomiasis on malaria preventive treatment during pregnancy (Ph.D).
- iv. Tajudeen Oriade – Developing *Schistosoma* worm antigen duplex-based diagnostic approaches for schistosomiasis (Ph.D).
- v. Adedayo Adesida – Identification of protein diagnostic marker for *Fasciola gigantica* (M.Sc).
- vi. Precious Irabor - Serological diagnosis of urogenital schistosomiasis using admixture of *Schistosoma* antigens (M.Sc).

7. Current Undergraduate Supervision

- i. Babalola Blessing
- ii. Akinmulero Taiwo

D. Membership of Professional Bodies

1. Zoological Society of Nigeria (ZSN) - member
2. Malaria Research Network (MRN) - member
3. International Society for Infectious Diseases (ISID) - member
4. Society for Mosquito Control of Nigeria (SMCN) - member
5. Animal care and use in research, education and testing organization (ACURET) - member
6. Genetic Association of America (GSA) - member
7. African Society for Laboratory Medicine (ASLM) - member
8. African Scientific Institute – Fellow
9. Nigerian Young Academy – Fellow
10. Africa Research Excellence Fund (AREF) - Excel Fellow

E. Publications

Googlescholar: <https://scholar.google.com/citations?user=P-yagzIAAAAJ&hl=en>
(h-index – 23, i10-index – 42)

Researchgate: https://www.researchgate.net/profile/Oyetunde_Oyeyemi
(h-index – 23)

Scopus: scopus.com/authid/detail.uri?authorId=56732871100
(58 Scopus documents; H-index 15)

Web of Science: <https://www.webofscience.com/wos/author/record/G-7824-2012>
(50 WoS documents; H-index 13)

1. Thesis/Dissertation

1. **B.Sc. Thesis:** Efficacy of *Acalypha torta* against *Callosobruchus maculatus* (beans weevil).
2. **Master's Thesis Research:** Molluscicidal efficacy of ethanolic extract of *Hyptis suaveolens* on *Bulinus globosus*.
3. **Doctoral Thesis Research:** Human schistosomes infection among pregnant women, preschool children and freshwater snails species in Yewa North Local Government Area, Ogun State, Nigeria

2. Books and Monographs

1. **Salawu, O.T.** (2012). Helminthology (Course manual). Edited by Moro, D.D. National Open University of Nigeria. pp128.
2. Aina, D.A., **Oyeyemi, O.T.**, Odutayo, F.O.I. and Oyewole, I.O. (2015). Plant and Animal Diversity: Practical Manual for Degree Students. ISBN: 978-178-443-8, pp100
3. Aina, D.A., **Oyeyemi, O.T.**, Odutayo, F.O.I. and Oyewole, I.O. (2015). Biology Practical Manual for Degree Students. ISBN: 978-178-443-1, pp122.

3. Contribution to Books

1. **Salawu, O.T.** (2015). Polymeric particles dual entrapments of curcumin with artesunate and nisin for improved antimalarial and anticancer therapy. Project completion reports of RTF-DCS fellows: Compendium, pp123-132.
2. Adetunji, C.O. and **Oyeyemi, O.T.** (2022). Antiprotozoal activity of some medicinal plants against *Entamoeba histolytica*, the causative agent of amoebiasis. *Medical Biotechnology, Biopharmaceutics, Forensic Science and Bioinformatics*, 1st Edition, CRC; 18 pages. eBook: ISBN9781003178903

4. Published Journals Articles

Note asterisk (*) denotes corresponding author role and **Oyeyemi O.T.** was formerly **Salawu, O.T.**

1. Adetunji, V.O. and **Salawu, O.T.** (2008). West African soft cheese 'wara' processed with *Calotropis procera* and *Carica papaya*: A comparative assessment of nutritional values. *African Journal of Biotechnology*, 7(18): 3360-3362.
2. Adetunji, V.O. and **Salawu, O.T.** (2010). Efficacy of ethanolic leaf extracts of *Carica papaya* and *Terminalia catappa* as molluscicides against the snail intermediate hosts of schistosomiasis. *Journal of Medicinal Plants Research*, 4(22):2348-2352.
3. **Salawu, O.T.*** and Odaibo, A.B. (2011). The molluscicidal effects of *Hyptis suaveolens* on different stages of *Bulinus globosus* in the laboratory. *African Journal of Biotechnology*, 10(50):10241-10247.
4. Adejuwon, S.A., **Salawu, O.T.**, Eke, C.C., Femi-Akinlosotu, W. and Odaibo A.B. (2011). A craniometric study of adult human skulls from southwestern Nigeria. *Asian Journal of Medical Sciences* 3(1):23-25.
5. Adejuwon, S.A. **Salawu, O.T.** and Ajani, R.S. (2011). The jugular foramen and the intracranial volume: are they related? *Asian Journal of Medical Sciences* 3(8):143-145.
6. Adejuwon, S.A., Femi-Akinlosotu. M.O. and **Salawu, O.T.*** (2012). Variations in mandibular foramina of Yoruba ethnic group of Nigeria. *Journal of Medical Sciences*, 12(6):188-192.
7. **Salawu, O.T.*** and Odaibo, A.B. (2012). Preliminary study on ecology of *Bulinus jousseaumei* snail in *Schistosoma haematobium* endemic rural community of Nigeria. *African Journal of Ecology*, 51(3):441-446.
8. Hassan, A., Ntiaidem, U., Morenikeji, O., Nwuba, R., Anumudu, C., Adejuwon, S., **Salawu, O.**, Jegede A. and Odaibo, A. (2012). Urine turbidity and microhaematuria as rapid assessment indicators for *Schistosoma haematobium* infection among school children in endemic areas. *American Journal of Infectious Diseases*, 8 (1): 60-64.

9. Adejuwon, S.A., **Salawu, O.T.** and Bosede, A. (2012). Agenesis of palmaris longus muscle in selected population of school children in Nigeria. *International Journal of Morphology*, 30(4):1593-1596.
10. Adedotun, A.A., **Salawu, O.T.**, Morenikeji, O.A. and Odaibo, A.B. (2013). Plasmodial infection and haematological parameters in febrile patients in a hospital in Oyo town, South-western Nigeria. *Journal of Public Health and Epidemiology*, 5(3):144-148.
11. Oyeyemi, I.T. and **Salawu, O.T.*** (2013). Frequency distribution of hemoglobin variants and rhesus blood groups among pregnant women. *American Medical Journal*, 4:78-81.
12. **Salawu, O.T.*** and Odaibo, A.B. (2013). Schistosomiasis among pregnant women in rural communities in Nigeria. *International Journal of Gynecology & Obstetrics*, 122(1):1-4.
13. **Salawu, O.T.*** and Odaibo, A.B. (2014). Urogenital schistosomiasis and urological assessment of hematuria in preschool-aged children in rural communities of Nigeria. *Journal of Pediatric Urology*, 10(1):88-93.
14. Okonofua, C., Morenikeji, O. and **Salawu, O.T.** (2014). Lymphatic filariasis and associated morbidities in rural communities of Ogun State, Southwestern Nigeria. *Travel Medicine and Infectious Disease*, 12(1): 95-101.
15. Morenikeji, O., Junaid, Q., Omoregie, C., Hassan, A., Nwuba, R., Anumudu, C., Adejuwon, S., **Salawu, O.T.**, Jegede, A. and Odaibo, A. B. (2014). A cross-sectional study on urogenital schistosomiasis in children; haematuria and proteinuria as diagnostic indicators in an endemic rural area of Nigeria. *African Health Sciences*, 14(2):390-396.
16. **Salawu, O.T.*** and Odaibo, A.B. (2014). The bionomics and diversity of freshwater snail species in Yewa North, Ogun State, Southwestern Nigeria. *Helminthologia*, 51(4): 337-344.
17. **Salawu, O.T.*** and Odaibo, A.B. (2014). Maternal schistosomiasis; a growing concern in sub-Saharan Africa. *Pathogen and Global Health*, 108(6):263-270.
18. Morenikeji, O.A., Atanda, O.S., Eleng, I.E. and **Salawu, O.T.** (2014). *Schistosoma haematobium* and *Plasmodium falciparum* single and concomitant infections; any association with hematologic abnormalities? *Pediatric Infectious Disease*, 6:124-129.
19. Salami, J., **Oyeyemi, O.T.**, Morenikeji, O.A., Hassan, A.A., Nwuba, R.N., Anumudu C.I., Jegede, A.S. and Odaibo, A.B. (2015). Efficacy of single-dose praziquantel on infection and morbidity of *Schistosoma haematobium* in Ijoun, Yewa North LGA, Ogun State, Nigeria. *The Zoologist*, 13, 75-78.
20. Adekolujo, D.R., Olayinka, S.O., Adeniji, J.A., **Oyeyemi, O.T.** and Odaibo, A.B. (2015). Poliovirus and other enteroviruses in children infected with intestinal parasites in Nigeria. *Journal of Infection in Developing Countries*, 9;9(10):1166-1171.

21. **Oyeyemi, O.T.***, Amugo, A.N. (2015). Maternal *Plasmodium falciparum* and hepatitis B virus infections in Nigeria. *Journal of Disease and Global Health*, 4(2):84-88.
22. **Oyeyemi, O.T.***, Ogunlade, A.F. and Oyewole, I.O. (2015). Comparative assessment of microscopy and rapid diagnostic test (RDT) as malaria diagnostic tools. *Research Journal of Parasitology*, 10 (3): 120-126.
23. Akinwale, O., Oso, O., **Salawu, O.T.**, Odaibo, A., Tang, P., Chen, T.W. and Gyang, P. (2015). Molecular characterisation of *Bulinus* snails – intermediate hosts of schistosomes in Ogun state, South-western Nigeria. *Folia Malacologica*, 23: 137-147.
24. **Oyeyemi, O.T.***, Adesanya, I., Ogunnowo, B. and Oyewole, I. (2015). Uropathogens and diagnostic potential of pH and specific gravity in a rural community of Nigeria. *Journal of Coastal Life Medicine*, 3(12):975-977.
25. **Oyeyemi, O.T.*** and Amugo, A.N. (2015). *Plasmodium falciparum* and hepatitis B virus infection in Nigerian urban population. *Brazilian Journal of Infectious Disease*, 19(6): 666-667.
26. Morenikeji, O.A., Eleng, I.E., Atanda, O.S. and **Oyeyemi, O.T.*** (2016). Renal related disorders in concomitant *Schistosoma haematobium-Plasmodium falciparum* infection among children in a rural community of Nigeria. *Journal of Infection and Public Health*, 9(2):136-142.
27. Odumosu, B.T., **Salawu, O.T.**, Oyeyemi, I., Alabi, O.S., Rufai, T.I. and Odunukan, O. (2016). Bioactive constituents and antibacterial screening of two Nigerian plant extracts against selected clinical bacteria. *Nigerian Journal of Pharmaceutical Research*, 12(2): 123-133.
28. **Salawu, O.T.*** and Odaibo, A.B. (2016). Schistosomiasis transmission; socio-demographic, knowledge and practices as transmission risk factors in pregnant women. *Journal of Parasitic Diseases*, 40(1):93-99.
29. Morenikeji, O.A., Adeleye, O., Omoruyi, E.C. and **Oyeyemi, O.T.*** (2016). Anti-*Schistosoma* IgG responses in *Schistosoma haematobium* single and concomitant infection with malaria parasites. *Pathogens and Global Health*, 110(2):74-78.
30. **Oyeyemi, O.T.***, Agbaje M.O. and Okelue, U.B. (2016). Food-borne human parasitic pathogens associated with household cockroaches and houseflies in Nigeria. *Parasite Epidemiology and Control*, 1(1):10-13.
31. **Salawu, O.T.*** and Esume, C. (2016). Frequency of human immunodeficiency virus (HIV) in *Trichomonas vaginalis* infected women in Badagry, Lagos, Nigeria. *Journal of Reproduction and Infertility*, 17(1): 61-63.
32. Oloruntayo, A., Jegede, A., Morenikeji, O.A., Hassan, A., Nwuba, R.I., Anumudu, C., **Salawu, O.T.** and Odaibo, A.B. (2016). Persistent transmission of schistosomiasis in

Southwest Nigeria: contexts of culture and contact with infected water. *World health & Population*, 16(3):31-38.

33. **Oyeyemi, O.T.***, Fadipe, O. and Oyeyemi, I.T. (2015). *Trichomonas vaginalis* infection in Nigerian pregnant women and risk factors associated with sexually transmitted diseases. *International Journal of STD & AIDS*, 27(13): 1187-1193.
34. Oluwabiyi, B., **Oyeyemi, O.T.*** Olorunlana, A., Omiyeniye, N. and Koleosho A. (2016). Lymphatic filariasis in Southwestern Nigerian rural communities: a cross-sectional survey of the knowledge, awareness and predisposing factors. *Annals of Global Health*, 82(5): 806-812.
35. **Oyeyemi, O.T.*** Sode, O.J., Adebayo, O.D. and Mensah-Agyei, G.O. (2016). Reliability of rapid diagnostic tests in diagnosing pregnancy and infant-associated malaria in Nigeria. *Journal of Infection and Public Health*, 9(4):471-477.
36. Nwadike, FN, Agbolade, OM, **Oyeyemi, O.T.** (2017). Parasitic contamination of some fresh vegetables in a local community of Ilishan Remo, Ogun State, Nigeria. *Journal of Public & Allied Health Sciences*, 2:79-84.
37. **Oyeyemi, O.T.*** Odaibo, A.B. (2017). Maternal urogenital schistosomiasis; monitoring disease morbidity by simple reagent strips. *PLoS ONE*, 12 (11): e0187433.
38. Omobhude, M.E., Morenikeji, O.A. and **Oyeyemi, O.T.*** (2017). Molluscicidal activities of curcumin-nisin polylactic acid nanoparticle on *Biomphalaria pfeifferi*. *PloS Neglected Tropical Diseases*, 11(8): e0005855.
39. Dauda, K., Busari, Z., Morenikeji, O., Afolayan, F., **Oyeyemi, O.T.*** Meena, J., Sahu, D. and Panda A. (2017). Poly-D,L-lactic-co-glycolic acid-based artesunate nanoparticles; formulation, antimalarial and toxicity assessments. *Journal of Zhejiang University - Science B (Biomedicine & Biotechnology)*, 18(11):977-985.
40. Busari, Z.A., Dauda, K.A., Morenikeji, O.A., Afolayan, F., **Oyeyemi, O.T.*** Meena, J., Sahu, D. and Panda, A.K. (2017). Antiplasmodial activity and toxicological assessment of curcumin PLGA-Encapsulate nanoparticles. *Frontiers in Pharmacology*, 8:622.
41. Nabofa, W., Alashe, O., **Oyeyemi, O.T.**, Attah, A., Oyagbemi, A., Omobowale, T., Adedapo, A. and Alada, A. (2018). Cardioprotective effects of curcumin-nisin based poly lactic acid nanoparticle on myocardial infarction in guinea pigs. *Scientific Reports*, 8:16649.
42. Ezekiel, C., **Oyeyemi, O.T.**, Oyedele, O., Ayeni, K., Oyeyemi, I., Nabofa, W., Nwozichi, C. and Dada, A. (2018). Urinary aflatoxin exposure monitoring in rural and semi-urban populations in Ogun state, Nigeria. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, 35(8):1565-1572.

43. **Oyeyemi, O.T.,*** Olowookere, D., Ezekiel, C., Oso, G. and Odaibo, A. (2018). The impact of chemotherapy, education and community water supply on schistosomiasis control in a Southwestern Nigerian village. *Infection, Disease & Health*, 23(2):121-123.
44. Nwofor, S.C., Morenikeji, O.A., Adeoye-Isijola, O.M. and **Oyeyemi, O.T.*** (2018). Inhibitory activities of ethanolic extracts of two macrofungi against eggs and miracidia of *Fasciola* spp. *Open Life Sciences* 13: 504–510.
45. **Oyeyemi, O.T.,*** Morenikeji, O., Afolayan, F., Dauda, K., Busari, Z., Meena, J., and Panda, K. (2018). Curcumin-Artesunate Based Polymeric Nanoparticle; Antiplasmodial and Toxicological Evaluation in Murine Model. *Frontiers in Pharmacology* 9:562.
46. **Oyeyemi, O.T.,*** Ezekiel, C., Ayeni, K., Nabofa, W., Oyeyemi, I., Oyedele, O., Adefalujo, A., Nwozichi, C., Dada, A. (2018). A pilot biomonitoring study of bladder tumour antigen (BTA) in aflatoxin exposed Nigerian villagers. *African Journal of Urology*, 24(2); 152-156.
47. Afolayan, F.I.D., Erinwusi, B. and **Oyeyemi, O.T.** (2018). Immunomodulatory activity of curcumin-entrapped poly d,l-lactic-co-glycolic acid nanoparticles in mice. *Integrative Medicine Research*, 7(2); 168-175.
48. **Oyeyemi, O.T.,*** Adegbeyeni, O., Oyeyemi, I.T., Meena, J., Sahu, D. and Panda, A.K. (2018). In vitro ovicidal activity of poly lactic acid curcumin-nisin co-entrapped nanoparticle against *Fasciola* spp. eggs and its reproductive toxicity. *Journal of Basic and Clinical Physiology and Pharmacology*, 29(1), 73-79.
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77. **Oyeyemi, O.T.***, Okunlola, O.A., Fu, Z., Hong, Y., Chen, J-H. and Shollenberger, L.M. (2023). Livestock cattle as a predictor of schistosomiasis transmission in Nigeria. *The Microbe*, Volume 1, 2023, 100021.
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79. **Oyeyemi, O.T.*** and Okunlola, O.A. (2023). Soil-transmitted helminthiasis (STH) endemicity and performance of preventive chemotherapy intervention programme in Nigeria (in year 2021). *Scientific Report* 13, 10155.
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5. Edited and Refereed Conference Proceedings

Nil

6. Articles Accepted for Publication

Nil

7. Manuscript Submitted for Publication

1. Okeke, I.J., **Oyeyemi, O.T.*** and Morenikeji, O.A. (2024). Green synthesized *Morinda lucida*-mediated nanoparticles and its biological activities against the ova and miracidia of *Fasciola gigantica*. *Asian Pacific Journal Tropical Bioscience*.
2. Ajakaye, O.G., Enabulele, E.E., Balogun, J.B., Oyeyemi, O.T. and Grigg, M.E. (2024). Extant interspecific hybridization among trematodes within the *Schistosoma haematobium* species complex in Nigeria. *Plos Neglected Tropical Disease*.
3. Oyeyemi, O.T. and Shollenberger, L.M. (2024). Leveraging cross-reactivity for dual serological detection of closely related *Schistosoma* species. *Parasitology Research*

8. Creative Work

Nil

9. Technical Reports

1. Project – Assessment of Application of Equity in Neglected Tropical Diseases (NTDs) Programming in sub-Saharan Africa (SSA). Being a technical report submitted to the African Population and Health Research Centre (APHRC), Nairobi, Kenya.

10. Papers and Work in Progress

1. Okunlola, O., Oloja, S., Ebiwonjumi, A. and **Oyeyemi, O.*** Vegetation index and livestock practices as predictors of malaria transmission in Nigeria.

F. Professional Accomplishment

1. Project coordinator
 - Executed institutional-based projects
 - Coordinated and executed faculty-based projects
 - Coordinated and executed departmental-based projects
 - Won equipment access grant for my Department
2. Established research partnerships with many international partners (see below):
 - i. Prof. Dr. Ibrahim R. Aly Shalash - Immunoparasitology Immunology and Evaluation of Drug Department Theodor Bilharz Research Institute
 - ii. Professor Yang Hong – Key Laboratory of Animal Parasitology, Ministry of Agriculture of China, Shanghai Veterinary Research Institute
 - iii. Dr. Amulya Panda – National Institute of Immunology, New Delhi, India
 - iv. Dr. Antonio Marco – School of Biological Sciences, University of Essex, United Kingdom
 - v. Dr. Rafaella Fortini Queiroz Grenfell - Diagnosis and Therapy of Infectious Diseases and Cancer Laboratory - DATA, René Rachou Institute, Fundação Oswaldo Cruz, Belo Horizonte, Minas Gerais, Brazil.
 - vi. Prof. Wander de Jesus Jeremias - School of Pharmacy, Federal University, Ouro Preto, Minas Gerais, Brazil.
 - vii. Prof. Dr. Thorsten Burmester – Zoological Institute, University of Hamburg, Hamburg, Germany
 - viii. Dr. Lisa M Shollenberger - Biological Sciences, Old Dominion University, Mills Godwin Building, Norfolk, VA, USA.
 - ix. Prof. Olalekan Uthman – Health Sciences, Warwick Medical School, University of Warwick, United Kingdom.
3. Facilitate linkages of University's research groups with international partners (as the University's Research Support Officer)
 - i. The Institute of Health Humanities and Entrepreneurship (IHHE), University of Medical Sciences, Ondo with Liverpool John Moores University and Teenpreneurs Educational Foundation on the programme. This resulted in winning a £100,000 British Council grant.
4. Research accomplishment
 - i. Identified some protein biomarkers for possible diagnosis of schistosomiasis
 - ii. Discovered some exotic freshwater snails which are not native to Nigeria water bodies but are potential intermediate hosts of schistosomes.

- iii. Established possible interactions between freshwater snails for possible biological control of schistosomiasis
- iv. Discovered novel nanotize drugs for possible treatment of malaria, schistosomiasis, fascioliasis and cardiovascular disease.
- v. Established the implication of malaria parasite coinfection with *Schistosoma haematobium* on immunodiagnosis of urogenital schistosomiasis.
- vi. Listed among top 500 authors, by Scholarly Output in Nigeria over the period 2014 to >2019 (no. 294).

G. Conferences, Seminars and Workshops Attended with Dates

a) Conference Papers

(Abstract-Reviewed)

1. **Salawu, O.T.*** and Adetunji, V.O. Efficacy of ethanolic leaf extracts of *Carica papaya* and *Terminalia catappa* as molluscicides against the snail intermediate hosts of schistosomiasis. Oral presentation at the 6th annual conference of Zoological Society of Nigeria held at the Conference centre, University of Ibadan, Ibadan. Nigeria, March 1-5, 2010. Abstract no. AB046, p46.
2. **Salawu, O.T.*** and Odaibo, A.B. Schistosomiasis during pregnancy among the neglected populations of rural communities in Nigeria. Oral presentation at Africa Bio-Mathematics Initiative; Workshop on Genetics and Disease Control August 8 - 12, 2011. University of Cape Coast, Cape Coast, Ghana.
3. **Salawu, O.T.*** and Odaibo, A.B. Measuring morbidity associated with urogenital schistosomiasis in low endemic rural population of Nigerian. Oral presentation at Young Academy 2nd General Assembly/National Conference, Nnamdi Azikwe University, Awka, Nigeria, 7-9th June, 2012
4. **Salawu, O.T.,*** Ogunlade, A.F. and Oyewole, I.O. Evaluation of rapid diagnostic test (RDT) for the diagnosis of malaria in Ijebu Ode, Ogun State, Nigeria. Oral presentation at the Faculty of Science International Conference, University of Ibadan, Ibadan, Nigeria. Abstract no. SSD059.
5. **Salawu, O.T.,*** Odaibo, A.B. and Akinwale O.P. Maternal schistosomiasis in rural communities of Nigeria; sociocultural practices and freshwater snails as transmission factors. Oral presentation at the 5th General Assembly and National Conference, Nigerian Young Academy, held at the Federal University of Technology, Minna, Nigeria, 18th-24th May, 2015.
6. **Salawu, O.T.,*** Esume, C.N. and Arisere, S. Prevalence of human immunodeficiency virus (HIV) in *Trichomonas vaginalis* infected women in Badagry, Lagos, Nigeria. A poster presentation at the Keystone Symposium "Co-infection: A Global Challenge for Disease Control," which took place on March 15-20, 2015, at the Centro de Artes e Convenções (UFOP), Ouro Preto, MG, Brazil. Poster no. 2010.

7. **Oyeyemi, O.T.*** and Odaibo, A.B. Maternal urogenital schistosomiasis; monitoring disease morbidity by simple reagent strips. Presented at the 8th EDCTP Forum – “Defeating poverty-related and neglected diseases in Africa: harnessing research for evidence-informed policies”. Lusaka Zambia, 6-9 November, 2016. (Poster no. P150).
8. **Oyeyemi, O.T.*** Morenikeji, O., Afolayan, F., Dauda, K., Busari, Z., Meena, J., and Panda, K. (2018). Curcumin-Artesunate Based Polymeric Nanoparticle; Antiplasmodial and Toxicological Evaluation in Murine Model. Presented at AAUA HUMBOLDT-KOLLEG Conference held on June 4–7, 2018 at Adekunle Ajasin University, Akungba-Akoko, Ondo State, Nigeria. (Abstract no. OR-055, pg. 64).
9. **Oyeyemi, O.T.*** and Okunlola, O.A. (2021). Assessment of schistosomiasis endemicity and preventive treatment on coronavirus disease 2019 outcomes in Africa. COVID-19 Research Agenda – Public Health Grand Round, School of Public Health, University of Medical Sciences, Ondo – 17 March, 2021.
10. **Oyeyemi, O.T.*** Corsini, C., Gonçalves, G., Borges, W.C. and Grenfell, R.R.Q. (2021). Evaluation of immunodiagnostic potential of schistosomula crude antigen (SCA) in *Schistosoma mansoni* infected human population. Molecular Parasitology Meeting, MBL in Woods Hole, United States - October 05-09, 2021 (Virtual meeting).
11. **Oyeyemi, O.T.*** Adesida, P. and Oyeyemi, I.T. (2022). Comparative evaluation of molluscicidal activities of ethanolic extract of *Alstonia congensis* and its green-synthesis nanotized derivative. The Third Nigerian Academy of Science (NAS) Scientific Conference, Abuja, Nigeria – 25-26 Jan., 2022.

b) Conference Attended (without Paper Presentation)

1. TWAS ROSSA Young Scientists’ Conference and 6th General Assembly of the Nigerian Young Academy (NYA). Inclusive growth and sustainable development in Africa: the role of young academies. Held on 23rd -24th August, 2016, Sheraton Hotel, Ikeja, Lagos, Nigeria.
2. Conference and 7th General Assembly (GA) of the Nigerian Young Academy (NYA). Combating recession through research and innovation: leveraging on the Nigerian content. Held at Federal University of Petroleum Resources (FUPRE), Effurun, Delta State on 7th-9th August, 2017.

c) Workshop and Seminars Attended

1. Workshop on ‘Writing Grant-winning Research Proposal’ for research students. June 16-17, 2010, Postgraduate School, University of Ibadan.
2. Workshop on the Use of Genomics and Postgenomics in the Control Schistosomiasis in Nigeria. NABDA-Abuja, December, 14-18, 2010.

3. Africa Bio-Mathematics Initiative; Workshop on Genetics and Disease Control August 8 - 12, 2011. University of Cape Coast, Cape Coast, Ghana.
4. The Nigerian Academy of Science 13th Annual Meeting of African Science Academies (AMASA-13). Held at 15th- 16th November, 2017 Abuja, Nigeria.
5. Training course on 'Middle Eastern Biology of Parasitism', University of Bern, Bern, Switzerland (July 23 – August 6, 2017).
6. Workshop on Species-specific diagnosis held at the Biomedical Training & Cancer Research Centre, Nigerian Institute of Medical Research, Yaba Lagos, Nigeria, 25th- 27th September, 2017.
7. A three-day international conference and workshop on e-schooling and research grant writing held at Wesley University of Science and Technology, Ondo, Ondo State, Nigeria held from 12th to 14th April, 2018.
8. Association of African Universities Workshop on "Quality assurance in journal establishment, management/maintenance and sustainability" – A virtual workshop held in December, 2020.
9. UNIMED/CAR-NARSDA joint workshop on "Harnessing space science and technologies to advance national health" held at the University of Medical Sciences, Ondo City, Ondo State, Nigeria on the 18th May, 2021.
10. African Studies Association Conference (ASA) in Philadelphia, Pennsylvania from Thursday, November 17th, to Sunday, November 20th, 2022.

d) Paper Presentation (Invited Talks)

1. Re-engineering of natural and pharmaceutical products for parasites control. School of Pharmacy, Federal University, Ouro Preto, Brazil, 16th March, 2020
2. Basic research in tropical parasitic diseases; my contributions. Instituto René Rachou, Fundação Oswaldo Cruz, Belo Horizonte, Minas Gerais, Brazil, 22nd August, 2019.
3. Basic epidemiological research in schistosomiasis and potential for collaborative research for greater impact. School of Biological Sciences, Essex University, United Kingdom, 20th March, 2019.

e) Facilitated Workshop

Facilitator and presenter of the following themes:

- (i) TGROW and SURE mentoring models
- (ii) What constitute good mentor-mentee match. Presented at the Centre of Excellence in Reproductive Health Innovation (CERHI), University of Benin, Benin City, Nigeria, between 13-17 July, 2021.

Facilitator and presenter of the following themes:

- (i) Identifying a mentor and the roles of a mentor
- (ii) Conflict management during mentoring
- (iii) Essentials of grant writing
- (iv) Identifying a good journal. Presented at the Centre of Excellence in Reproductive Health Innovation (CERHI), University of Benin, Benin City, Nigeria, between 13-17 May, 2019.

f) Facilitated Seminar

Presenter: Second AREF-Excell Seminar titled "One enemy, many soldiers; a case of parasite and control". Presented at the Centre of Excellence in Reproductive Health Innovation (CERHI), University of Benin, Benin City, Nigeria, 8 February, 2019.

H. Current Research Activities

- (i) Identification of novel diagnostic protein(s) in trematodes antigens.
- (ii) Synthesis, characterization and therapeutic efficacy of green-synthesized nanoparticles against trematodes and their snail intermediate hosts.
- (iii) Assessment of equity in neglected tropical diseases (NTDs)-mass drug administration (MDA) programming.
- (iv) Efficacy of maternal intermittent malaria preventive treatment during co-infection with schistosomiasis

I. Current Relevant Information

1. Services within the Department

Roles/Responsibilities (Department):

- (i) Chair – Departmental Research and Development Committee 2021 till date
- (ii) Member – Appointment and Promotion Committee

2. Services within the Faculty

Roles/Responsibilities (Faculty):

- (i) Chair – Faculty of Science Research and Development Committee 2020 till date
- (ii) Chair – Faculty of Postgraduate Curriculum Committee 2021 till date
- (iii) Sub-Dean – Faculty of Sciences, Postgraduate School 2021 till date

3. Services within the University

Roles/Responsibilities (University):

- (i) Director – Central Office for Research and Development (CORD) 2023 till date
- (ii) Deputy Director – Central Office for Research and Development (CORD) 2020 – 2023
- (iii) Member – University of Medical Sciences/Teaching Hospital Research Ethics Committee (UNIMED/TH REC) 2018 till date
- (iv) Member – Academic Events Committee 2021 till date

(v) Member – University Research Committee

2021 till date

4. Services outside UNIMED

Editorial responsibilities

- (i) Section Editor of the Annals of Science and Technology;
The Official Journal of the Nigerian Young Academy 2020
- (ii) Peer-Reviewed Articles for:
- Plos Neglected Tropical Diseases (Plos)
 - Plos One (Plos)
 - Pathogen and Global Health (Taylor & Francis)
 - Scientific Reports (Nature Research)
 - Environmental Advances (Elsevier)
 - Beni-Suef University Journal of Basic and Applied Sciences (Springer)
 - Asia Journal of Urology (Elsevier)
 - BMC Research Note (Springer)
 - BMC Infectious Diseases of Poverty (Springer)
 - Journal of Parasitology Research (Hindawi)
 - BMC Complementary and Alternative Medicine (Springer)
 - Journal of Preventive Medicine and Hygiene (JPMH)
 - International Journal of Nanomedicine (Dove Press)
 - Journal of Immunology (The American Association of Immunologists, Inc.)
- (iii) Guest Editor – Frontiers in Tropical Diseases
- (iv) Guest Editor – Tropical Medicine and Infectious Disease

Consultancy Services

- (i) Client – African Population and Health Research Centre (APHRC), Nairobi, Kenya
– Project title – Assessment of equity in neglected tropical diseases (NTDs) –
mass drug administration programming in Sub-Saharan Africa.
- (ii) Client – Delloite, Nigeria
Project title - Economic Impact Study on the Elimination of the Five Most
Common NTDs in Nigeria.
- (iii) Client – Africa Research Excellence Fund (AREF) – Engagement to facilitate the
organization’s capacity building programmes for African early career scientists.

Mentoring Engagement

Mentoring of secondary school pupils on career paths and development.

J. Contribution to Knowledge

My research activities are primarily focused on epidemiology and control of transmission of parasitic diseases. I devote my time to identifying public health issues posed by parasitic diseases and seek on ways to abate them. I am using diverse approaches such as epidemiology and spatial

epidemiology, immunology, and molecular biology to answer pertinent research questions to facilitate control of parasitic diseases.

My early works focused on the burden of schistosomiasis on pregnant women and preschoolers; the often-neglected groups in schistosomiasis mass drug administration (MDA) – implementation programs. The studies recommended and advocated for policy review for the inclusion of pregnant women in second and third trimesters and preschoolers in control programs. The additional and detrimental burden posed by tropical parasitic diseases, especially during concurrent infections with other infectious agents such as HIV, hepatitis B virus, and enteroviruses, has stimulated my interest in co-infection studies. I have been able to establish that schistosomiasis increased the risk of malaria and hepatitis B virus while other studies have predicted that the burden of certain parasites with adhesive organs such *Taenia* spp. increased in individuals infected with enteroviruses. Importantly, it was established that schistosomiasis infection in areas endemic to malaria could have implication in the diagnosis of malaria and control of the same. A new dimension to the co-infection studies currently being explored is the impact of schistosomiasis on the efficacy of intermittent preventive treatment in pregnant women. This study was informed by some incidence of malaria resistance to treatment in pregnant women and is yet to be identified as responsible mechanisms. I have explored the epidemiology of many other parasitic diseases including; lymphatic filariasis, soil-transmitted helminths, trichomoniasis, toxoplasmosis, and cryptosporidiosis.

To understand the epidemiology of schistosomiasis, the species composition of freshwater snails from river bodies from endemic communities was studied. For the first time in Nigeria, some exotic freshwater planorbid snails with the potential to transmit schistosomes were reported. Plans are underway to develop transgenic snails for control of schistosomiasis. My studies on interactions between snail hosts of schistosome suggested the possibility of deploring the biological control approach of schistosomiasis in Africa.

With the continuous transmission of malaria and other tropical diseases in Africa and the development of resistance by causal agents of these diseases to mainstay drugs, I developed an interest in finding rational solutions to the spread of these diseases. As a result, I have also been involved in some drug discovery projects. I developed capacity in this line of research during my first postdoctoral training at the Institute of Immunology, New Delhi, India. These efforts have produced amazing results as I have been able to synthesize some novel nanomedicines with great potential against malaria parasites, schistosomes, and *Fasciola* sp. To further harness our rich flora, I have further developed a novel approach to formulate nanodrugs from plant products and I have used the same against trematode parasites and their snail intermediate hosts. These efforts produced better results than most of the mainstay drugs currently under use. I am currently exploring the diagnostic potential of proteins from *Schistosoma* and *Fasciola* parasites with the aim of developing a cost-effective diagnostic kit. Importantly, I am leveraging the use of cross-reacting proteins in different trematode helminths to develop a multiplex diagnostic. The latter approach will be cost-effective and very suitable in African settings where these parasites often co-exist. I have facilitated the establishment of an immunodiagnostic center for tropical parasites to this effect and I am currently training next-generation scientists in the field.

Signature: 

Date: 15 January 2024