

PUBLICATIONS

Published over **260** Research articles, technical reports, and conference presentations.

1. Oladipo E.K., Oluwasanya G. J., Adaramola E. O., Morawo G. O., Oluwalemu B. J., Afolabi V. O., Akanni P., Ajagbe J. D., Ojo O. H, Olayiwola F. D., Akintola S. B., Balogun C. O., Kolapo E. P., Oshoneye A. I., Adeyemo S. F., Irewolede B. A., Iwalokun B. A., Ajibade O. A., **Kolawole O. M.**, Oyawoye O. M., Oloke J. K., and Onyeaka H (2025). Leveraging ribosomal RNA as a molecular target for vaccine development against *Acinetobacter baumannii*. *Future Journal of Pharmaceutical Sciences* 11:104-132. <https://doi.org/10.1186/s43094-025-00853-z>
2. Oladipo E.K., Ogunmodede S.P., Adedokun P. T., Adihun G. A., Aromose O. I., Adeniji I. A., Adesina R. O., Ajani M. A., Oyedeji P. D., Abdulkareem Z. O., Rafiu S. T., Popoola P. O., Ogunlowo M. T., Onyeaka H., **Kolawole O. M** (2025). Innovative Biomarker Design for Cholera Diagnosis Through Bioinformatics Analysis. *In Silico Research in Biomedicine* 1(2025)100036. <https://doi.org/10.1016/j.insri.2025.100025>
3. Oladipo E.K., Ogunniran J. A., Akinpelu O. S., Omole T. O., Irewolede B. A., Oluwasanya G. J., Jimah E. S., Iwalokun B. A., **Kolawole O. M.**, Senbadejo T. Y., Olotu T. M., Awoyelu E. H., and Onyeaka H., (2025). Designing next-generation mRNA vaccines against Nipah virus using predictive immunoinformatics frameworks. *In Silico Research in Biomedicine* 1(2025).100036. <https://doi.org/10.1016/j.insri.2025.100036>
4. Olatunji K. T., Oladosu P. O., **Kolawole O. M** (2025). *In vitro* Antimycobacterial Potential, Acute Toxicity and GC-MS Analysis of *Berlinia grandiflora* (Vahl) Hutch. & Dalziel and *Senna occidentalis* (L.) Link Leaves Extracts. *Pharmacological Research – Natural Products* 6. <https://doi.org/10.1016/j.prenap.2025.100154>
5. Ipadeola, A. F., Akinnola O. O., **Kolawole O. M.**, Isere E. E., Attah T. A., Omenyi L. O., Oladokun O. D., Oyewunmi K. O., Ekun O. O., Oparaocha S. U., Obazee D. Y., Ndaks C., Ewa E. E., Olasehinde G. I. (2024). Assessment of knowledge and practices towards the diagnosis of arboviral infections amongst healthcare workers in Lagos State and the Federal Capital Territory: a cross-sectional study. *Pan African Medical Journal* 49:124. <https://doi.10.11604/pamj.2024.49.124.44504>
6. Suleiman, M. M., & **Kolawole, O. M.** (2024). Simultaneous detection and genomic characterization of Zika virus Protein M, E, and NS1 using optimized primers from Asian and African Lineages. *Vacunas*. 25(1), 40-45: <https://doi.org/10.1016/j.vacun.2023.07.003>
7. Ipadeola, A. F., Attah T. A., Akinnola O. O., **Kolawole O. M.**, Olasehinde G. I. (2024). Disparities in the Accuracy of Diagnostics Methods for Arboviral Infection in Africa: A Systematic Review. *Universal Journal of Public Health* 12(5): 892-903. <https://doi.10.13189/ujph.2024.120512>

8. Ipadeola, A. F., Akinnola O. O., **Kolawole O. M.**, Attah T. A; Monday T; Osawe S. O; Okonkwo I. R; Ojurongbe O. D; Baba M. M; Olasehinde G. I. (2024). Prevalence, Seasonality, and Risk Factors of Malaria and Some Arboviral Infections and Co-infections in Nigeria. *Universal Journal of Public Health* 12(6): 1084-1098. <https://doi.10.13189/ujph.2024.120606>
9. **Kolawole O. M.**, Aun I. I., Ogah J. I., Folahan F. F., Kolawole C. F. (2024). Determinants of COVID-19 vaccine uptake in Kwara state, Nigeria: The role of public health management professionals in driving behavioral change. *Global Health Econ Sustain.* <https://doi.org/10.36922/ghes.2462>
10. Oladipo E. K., Akinleye T. M., Adeyemo S. F., Akinboade M. W., Siyanbola K. F., Adetunji V. A., Arowosegbe O. A., Olatunji V. K., Adaramola E. O., Afolabi H. O., Ajani C. D., Siyanbola T. P., Folakanmi E. O., Irewolede B. A., Okesanya O. J., Ajani O. F., Ariyo O. E., Jimah E. M., Iwalokun B. A., **Kolawole O. M.**, Oloke J. K., Onyeaka H. (2024). mRNA vaccine design for Epstein-Barr virus: an immunoinformatic approach. *In Silico Pharmacology* 12(68). <https://doi.org/10.1007/s40203-024-00244-x>
11. Oladipo E. K., Oyelakin O. D., Aiyelabegan A. O., Olajide E. O., Olatayo V. O., Owolabi K. P., Shittu Y. B., Olugbodi R. O., Ajala H. A., Raji A. R., Olayiwola D. O., Irewolede B. A., Jimah E. M., Oloke J. K., Ojo T. O., Ajani O. F., Iwalokun B. A., **Kolawole O. M.**, Ariyo O. E., Adediran D. A., Olufemi S. E., Onyeaka H. (2024). Exploring computational approaches to design mRNA vaccine against vaccinia and Mpox viruses. *Immunity, Inflammation and Disease.* 12: e1360: 1-12. <https://doi.10.1002/11d3.1360>
12. Amos E. O., Araoyinbo O. S., Akinleyee E. O., Alakanse S. O., Bamikole A. O., **Kolawole O. M** (2023). Immunoinformatics Design of Multi-epitope Vaccine using Surface Cell Antigen OmpB and Heat Shock Protein GroEL against Rickettsioses. *Informatics in Medicine Unlocked* 43, 101411. <https://doi.org/10.1016/j.imu.2023.101411> (IF = 0.794; Q3)
13. Ipadeola A. F., Olasehinde G. I., Akinnola O. O., **Kolawole O. M.**, Ejikeme A. R., Ipadeola O. B (2023). Factors associated with late presentation for Lassa fever treatment among symptomatic cases in Ondo state, Nigeria. *PAMJ- One Health* 10:6. <https://doi:10.11604/pamj-oh.2023.10.6.39071> (IF = 0.283; Q3)
14. Bergeri I., Whelan MG., Ware H., Subissi L., Nardone A., Hannah C., Zihan L., Xiaomeng M., Marta, V., Brianna, C., Al Ariqi, L., Arash, R., Joseph, O., Tasnim, A., Pushpa, W., Linh-Vi, L., Aisling, V., Richard, P., Andrea, V., Tingting, Y., Mercedes, Y., Christian, C., David, C., Mathew, P.C., Jesse, P., David, B., Niklas, B., Rahul, K.A., DVan Kerkhove, M. and **UNITY Studies Collaborator Group (Kolawole, O.M.)** (2022) Global SARS-CoV-2 seroprevalence from January 2020 to April 2022: A systematic review and meta-analysis of standardized population-based studies. *PLOS Medicine* 19(11): e1004107. <https://doi.org/10.1371/journal.pmed.1004107>. (IF=15.8; Q1)
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- Belinda, L.H., Ambrose, T., Nsenga, N., Thierno, B., David, C., DVan Kerkhove, M., David, B., Niklas, B., Joseph, O., Rahul, K.A., Bergeri, I. and **UNITY Studies Collaborator Group (Kolawole, O.M.)** (2022). SARS-CoV-2 infection in Africa: a systematic review and meta-analysis of standardized seroprevalence studies, from January 2020 to December 2021. *BMJ Global Health*, 7: e008793. <https://10.1136/bmjgh-2022-008793>. (IF = 2.376; Q1)
16. Oladipo, E.K., Adeniyi, M.O., Ogunlowo, M.T., Irewolede, B.A., Adekanola, V.O., Oluseyi, G.S., Omilola, J.A., Udoh, A.F., Olufemi, S.E., Adediran, D.A., Aanuoluwapo, O., Usman, A.I., **Kolawole, O. M.**, Julius, K.O., and Onyeaka, H. (2022) Bioinformatics Designing and Molecular Modelling of a Universal mRNA Vaccine for SARS-CoV-2 Infection. *Vaccines*, 10, 2107. <https://doi.org/10.3390/vaccines10122107> (IF = 4.961; Q1)
 17. **Kolawole O.M.**, Tomori O., Agbonlahor D.E., Ekanem E., Bakare R., Nasidi A., Okojie O., Braide E., Uzochukwu B., Rafindadi A., Bello S., Sule S., Gureje O., Lecky M., Onwujekwe O., Onyedum C., Ezike A., Bukbuk D., Ashir G., Anyachie B., Amazigbo U., Habib A., Ufere J., Azodoh N (2022). Seroprevalence Investigation on SARS CoV- 2 Virus Among Population in Selected States of High and Low Burden of Disease in Nigeria. *Journal of American Medical Association* (JAMA). 2022;5(10):e2236053. <https://doi:10.1001/jamanetworkopen.2022.36053> (IF = 157.335; Q1)
 18. Oluwagbemi O.O., Oladipo E.K., **Kolawole O.M.**, Oloke J.K., Adelusi T.I., Irewolede B.A., Dairo E.O., Ayeni A.E., Kolapo K.T., Akindiya O.E., Ayobami O.J., Oluwadara B.F., Fatumo S. (2022). Bioinformatics, Computational Informatics and Modeling Approaches to the Design of mRNA COVID-19 Vaccine Candidates. *Computation* 10, 117, <https://doi.org/10.3390/computation10070117>. Published by MDPI, Basel, Switzerland. Link: <https://www.scopus.com/sourceid/21100857172> (IF = 0.389; Q1)
 19. Idris O. O., and **Kolawole O. M.** (2021). Seroprevalence and Molecular Characterization of Human Respiratory Syncytial Virus and Human Adenovirus among Children in Ado-Ekiti, Nigeria. *Journal of Medical Virology*. Blackwell and Willey. Volume 94 (6): 2548-2557 <https://doi.org/10.1002/jmv.27473> (IF = 20.693; Q1)
 20. Tomori O., and **Kolawole O. M.** (2021). Ebola Virus Disease: Current Vaccine Solutions. *Current Opinion in Immunology*, 71:27-33. (IF = 7.268; Q1)
 21. Ogah, I.J., **Kolawole, O.M.**, and Awelimobor D (2019). High Risk Human Papillomavirus (HPV) Common Among a Cohort of Women with Female Genital Mutilation. *African Health Science*. 19 (4): 2985-2992. (IF = 1.108; Q3)
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 23. Bassey, Enya Bassey, Fiona, Braka, Faisal, Shuaib, Richard, Banda, Sisay, Gashu Tegegne, Johnson, Muluh Ticha, Walla, Hamisu Abdullalhi, **Olatunji Mathew**

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24. Johnson, M.T., **Kolawole, O.M.**, Abdullahi, W.H., Braka, F., Pascal, M., Peter, N., Eberto, T., Kehinde, C., Etsano, A., Obi, E., Faisal, S., Akinkugbe Folasade, Johnson Adeniji, Usman Adamu, Mohammed Dallatu, Geoffrey Oyeyinka, Holly Brown, Nwakasik Nnamah, Joseph Okwori, Chukwuike Chinedu, Ibikunle Anibijuwon, Adewumi Olubusuyi, Donbraye Emmanuel, Murtala Bagana, Marycelin Baba, Gumede Nicksy, Richard Banda, Sisay G. Tegegne, Ajiboye Oyetunji, Ousmane Diop, O. Tomori and Rui G. Vaz1 (2018) Towards an effective poliovirus laboratory containment strategy in Nigeria. *BMC Public Health* 18 (Suppl 4): 8-16 <https://doi.org/10.1186/s12889-018-6181-3> (IF = 4.135; Q1)
 25. **Kolawole, O.M.** and Kana, S.K. (2018). Hepatitis B Virus and Malaria Co-infection Causing Significant Changes in Hematological and Liver Function Indices in a Cohort of Subjects in Ilorin, Nigeria. *International Journal of Infection*, 5(3): e81528. DOI: 10.5812/iji.81528 (IF = 12.7; Q1)
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 27. Unuabonah, E.I., **Kolawole, O.M.**, Agunbiade, F.O., Omorogie, M.O., Koko, D.T., Ugwuja, C.G., Ugege, L.E., Oyejide, N.E., Günter, C. & Taubert, A. (2017): Novel metal-doped Bacteriostatic Hybrid Clay Composites for Point-of-use Disinfection of Water. *Journal of Environmental Chemical Engineering*. 5:2128–2141. <https://doi.org/10.1016/j.jece.2017.04.017>. Published by Elsevier. <http://www.sciencedirect.com/science/article/pii/S2213343717301537> (IF = 7.968; Q1)
 28. Unuabonah, E.I., Adewuyi, A., Kolawole, O.M., Omorogie, M.O., Olatunde, O.C., Fayemi, S.O., Günter, C., Okoli, C.P., Agunbiade, F.O. and Taubert, A. (2017). Disinfection of water with new chitosan-modified hybrid clay composite adsorbent. *Heliyon*. <http://dx.doi.org/10.1016/j.heliyon.2017.e00379> (IF = 3.776; Q1)
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34. Borner, J., Pick, C., Thiede, J., **Kolawole, O.M.**, Kingsley, M.T., Schulze, J., Cottontail, V. M., Wellinghausen, N., Schmidt-Chanasit, J., Bruchhaus, I. and Burmester, T. (2016): Phylogeny of Haemosporidian Blood Parasites Revealed by a Multi-gene Approach. *Molecular Phylogenetics and Evolution*. 94:221-231. Published by Elsevier.
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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5111980/> (IF = 1.108; Q3)
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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4996045/> (IF = 0.452; Q3)
37. **Kolawole, O.M.**, Ogah, I.J., Alabi, O., Suleiman, M.M., Amuda, O.O., Kolawole, C.F. (2015). Utilization of Human Papillomavirus DNA Detection for Cervical Cancer Screening in Women Presenting with Abnormal Cytology In Lokoja, Nigeria. *Judishapur Journal of Microbiology*. 8(10): e22620. DOI: 10.5812/jjm.22620 (IF = 0.82; Q4)
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41. Adetunji, C.O., Ogundare, M.O., Ogunkunle, A.T.J., **Kolawole, O.M.** and Adetunji, J.B. (2014). Effects of Edible Coatings from Xanthum gum produced from *Xanthomonas campestris* pammel on the shelf life of *Carica papaya* Linn fruits. *Asian Journal of Agriculture and Biology*. 2(1):8-13. (IF = 0.178; Q2)
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