

Profile: Professor Olufemi Ernest OJO

Prof. Olufemi Ernest OJO teaches and conducts research at the Department of Veterinary Microbiology, Federal University of Agriculture, Abeokuta, Nigeria. He is also the Director of Veterinary Teaching Hospital at the University. He has previously served as the Head, Department of Veterinary Microbiology and Parasitology as well as the Deputy Dean, College of Veterinary Medicine. He has about 20 years' experience investigating the molecular mechanisms of acquired antimicrobial resistance and virulence characteristics of bacteria within the 'One Health' context. He is actively involved in the surveillance and monitoring of antimicrobial resistant bacteria in humans, animals (including wildlife), food and the environment. He also examines the various sociocultural practices relating to antimicrobial usage that influence the emergence, dissemination and persistence of resistant bacteria among different hosts and in the environment. He has won several local and international awards and has published over 70 scientific articles in reputable peer-reviewed journals. He is an alumnus of Alexander von Humboldt Foundation (AvH) and the *Deutscher Akademischer Austauschdienst* (DAAD).

i. **Passport Photograph:**



ii. **Personal information:**

- a. Sex: Male
- b. Date of Birth: February 07
- c. Nationality: Nigerian

iii. **Department:** Veterinary Microbiology

iv. **E-mail address:** ojooe@funaab.edu.ng

v. **Phone number:** +234 803 5803 716; +234 703 9425 778

vi. **Rank:** Professor

vii. **Designation:** Director, Veterinary Teaching Hospital

- viii. **Researchgate address:** <https://www.researchgate.net/profile/Ojo-Olufemi-2>
- ix. **LinkedIn address:** <https://www.linkedin.com/in/olufemi-ojo-3a6a624b/>
- x. Google scholar profile: <https://scholar.google.com/citations?user=g-sKT3QAAAAJ&hl=en>
- xi. **ORCID number:** 0000-0002-3640-1688
- xii. **Qualification:**
 - a. Fellow, College of Veterinary Surgeons of Nigeria (FCVSN) (2017)
 - b. Doctor of Philosophy (Ph.D) Veterinary Microbiology (2011)
 - c. Master of Science (M.Sc.) Veterinary Microbiology (2007)
 - d. Doctor of Veterinary Medicine (D.V.M.) (2002)
 - e. Senior School Certificate (SSCE) (1994)
- xiii. **Membership of professional bodies:**
 - a. Member, Nigerian Veterinary Medical Association
 - b. Member, American Society for Microbiology
 - c. Member, International Society for Infectious Diseases
- xiv. **Awards received:**
 - a. Digital Cooperation Grant of Alexander von Humboldt Foundation (2021)
 - b. Visiting Research Scientist, Federal Institute of Risk Assessment, Berlin (2019)
 - c. Visiting Research Scientist, Freie Universität, Berlin (2019)
 - d. Special Alexander von Humboldt Foundation Sponsorship with accompanying Junior Researcher (2019)
 - e. DAAD International Deans' Course Africa in Germany, Ethiopia and Kenya (2019)
 - f. Co-recipient TetFund Research Grants (2018)
 - g. Alexander von Humboldt Travel Grants (2017)
 - h. Visiting Research Scientist, Freie Universität, Berlin (2017)
 - i. Equipment subsidy grant of Alexander von Humboldt Foundation (2017)
 - j. Alexander von Humboldt Foundation Return Grant (2016)

- k. Alexander von Humboldt Foundation Georg Foster Postdoctoral Fellowship (2014)
 - l. Co-recipient TetFund Research Grants (2014)
 - m. Education Trust Fund Academic Staff Training & Development Intervention Grant (2010)
 - n. Abiola Postgraduate Prize: Best graduating Master's Student Faculty of Veterinary Medicine, University of Ibadan (2007)
 - o. Delta State Governor's National Youth Service Corp (NYSC) Honour Award (2004)
 - p. Federal Government of Nigeria Undergraduate Scholarship Award (2001)
 - q. Faculty Prize: Overall Best Graduating Student; Veterinary Medicine (2002)
 - r. Departmental Prize: Best Student in Vet. Physiology & Pharmacology (2002)
 - s. Departmental Prize: Best Student in Vet. Microbiology & Parasitology (2002)
 - t. Departmental Prize: Best Student in Vet. Surgery & reproduction (2002)
 - u. Departmental Prize: Best Student in Vet Public Health & Prev. Med. (2002)
 - v. Prof. D.H. Hill Prize for Best Student in Clinics (2002)
 - w. Coomassie Prize for overall Best Graduating Student in Vet. Medicine (2002)
 - x. Prof. D.H. Hill Prize: Best Student in Vet Surgery & Reproduction (2002)
 - y. Prof. D.H. Hill Prize: Best Student in Vet Public Health & Prev. Medicine (2002)
 - z. Dr. Liman Ciroma Prize for Overall Best Graduating Student; Vet Med. (2002)
 - aa. NUPEMECO Prize Overall Best Graduating Student; Vet. Medicine (2002)
- xv. **Research conducted:**
- a. Molecular mechanism of acquired antimicrobial resistance in commensal and pathogenic bacteria
 - b. Antimicrobial usage in animal production under different management systems
 - c. Molecular characterization of virulence properties of commensal and pathogenic bacteria in animals, foods of animal origins and the environments
- xvi. **Conferences attended:**
- 1. Seventh symposium on antimicrobial resistance in animals and the environment (ARAE 2017) held from 26th – 28th June, 2017 at Johann Heinrich von Thünen-Institut - Bundesforschungsinstitut für Ländliche Räume, Wald und Fischerei Bundesallee 50, 38116 Braunschweig, Germany .
Paper read: Antimicrobial usage and risk of extended-spectrum β -lactamase producing *Escherichia coli* in animal-rearing households of selected rural and peri-urban communities, Nigeria.

2. Sixth symposium on antimicrobial resistance in animals and the environment (ARAE) held from 29th June to 1st July, 2015 at Tours, France.

Paper read: Detection and characterization of extended spectrum β -lactamase producing *Escherichia coli* from chicken production chains in south-western Nigeria.

3. Network Meeting of the Alexander von Humboldt Foundation held from 26–28 November 2014 at Julius-Maximilians-Universität Würzburg, Würzburg, Germany.

Paper read: An initial report on extended spectrum beta lactamase-producing *Escherichia coli* in Nigeria chicken production chain.

4. Fifthth Congress of the Federation of European Microbiologists (FEMS 2013) held from 21-25 July, 2013 at Leipzig, Germany.

Paper read: Shiga toxin-producing *Escherichia coli* O157:H7 in dressed chicken carcasses in two Nigerian cities.

5. 49th Annual Congress (Ekiti 2012) of the Nigerian Veterinary Medical Association (NVMA) held at Fountain Hotel, Ado Ekiti, Ekiti State from November 5-9, 2012.

Papers read: i. Antimicrobial resistance in Gram-negative aerobic bacteria isolates from the faeces of diarrhoeic and non-diarrhoeic dogs in Abeokuta, Nigeria. ii. Dermatophytosis in a litter of puppies: Case Report.

xvii. **Publications:**

1. Uzairue, L. I., Shittu, O. B., **Ojo, O. E.**, Obuotor, T. M., Olanipekun, G., Ajose, T., Arogbonlo, R., Medugu, N., Ebruke, B., and Obaro, S. K. (2023). Antimicrobial resistance and virulence genes of invasive *Salmonella enterica* from children with bacteremia in north-central Nigeria. *SAGE Open Medicine* 11: 1-13. doi: 10.1177/20503121231175322
2. **Ojo, O. E.**, Amosun, E. A., Opebiyi, O. O., Oyekunle, M. A., Dipeolu, M. A., and Otesile, E. B. (2022): Multidrug resistant enterohaemorrhagic *Escherichia coli* serogroups in the faeces of hunted Wildlife, Abeokuta, Nigeria. *Veterinaria Italiana* 58 (2), 173-179. doi: 10.12834/VetIt.1990.12087.2
3. Shittu, O.B., Uzairue, L.I., **Ojo, O.E.**, Obuotor, T.M., Folorunso, J.B., Raheem-Ademola, R.R. , Olanipkun, G., Ajose, T., Medugu, N., Ebruke, B., and Obaro S. K. (2022) Antimicrobial resistance and virulence genes in *Salmonella enterica* serovars isolated from droppings of layer chicken in two farms in Nigeria. *Journal of Applied Microbiology*, 132 (5): 3891 – 3906. doi.org/10.1111/jam.15477
4. Eleazar A. N., Sonibare A. O., **Ojo O.E**, Awoyomi O. J. Otesile E. B., (2021): A survey of neonatal piglet mortality in commercial pig farms in Lagos State, Southwest Nigeria. *Nigerian Veterinary Journal* 42 (3): 238 - 251

5. Thomas, F. C., Alarape, O. O., Oliwo, O. M., Omoshaba, E., **Ojo, O. E.**, Oyewusi, J. A., Ajibola, E. S. (2021): Somatic cell counts and bacteria in milk from two nomadic herds in Abeokuta, Nigeria. *Sokoto Journal of Veterinary Sciences* 19 (2): 112-120
6. Amosun, E.A., Ogunbadewa, A. J., **Ojo, O. E.**, Akinade, S. A. (2021): Investigation of extended spectrum beta-lactamase producing *Escherichia coli* and other cefotaxime-resistant bacteria in cow milk in Nigeria. *Israel Journal of Veterinary Medicine* 76 (3): 116-125.
7. Ajibola E. S., **Ojo, O. E.**, Adeleye, O. E., Thomas, F. C., Olaleye, O. D. & Rahman, S. A. (2020): Pharmacokinetic evaluation of aqueous solution of enrofloxacin after single intramuscular injection in layers. *West African Journal of Pharmacology and Drug Research* 34 (1)::1-6.
8. Olaniyi, M.O. Ekum, D.E., Omoshaba, E.O. Sonibare, A.O., Ajayi, O.L., **Ojo, O.E.**, Faramade, I. A., Mustaph, O.A., and Alaka, O.O. (2020): Pathomorphological changes and bacterial pathogens associated with swine pneumonias in Southwest Nigeria. *Journal of Natural Science, Engineering and Technology* 19 (1&2): 8-24.
9. Kehinde, O.O., Dipeolu, M.A., Awoyomi, O. J., Agbaje, M., Fasanmi, O.G. Kassem, I. I., **Ojo, O. E.** Adebowale, O. O., Omoshaba, E. O., and Nwanta, J. (2020): Isolation Methods For Molecular Detection And Antibiotic Resistance Pattern Of Campylobacter Spp In Layer Chickens. *Journal of Natural Sciences, Engineering and Technology* 19 (1&2):149-159
10. Ogundipe, F. O., **Ojo, O. E.**, Feßler, A. T., Hanke, D., Awoyomi , O. J., Ojo, D. A., Akintokun, A. K., Schwarz, S., and Maurischat, S. (2020): Antimicrobial resistance and virulence of methicillin-resistant *Staphylococcus aureus* from human, chicken and environmental samples within live bird markets in three Nigerian cities. *Antibiotics*, 9: 588 doi:10.3390/antibiotics9090588
11. Omoshaba, E. O., **Ojo, O. E.**, Oyekunle, M. A., Sonibare, A. O., Adebayo, A. O. (2020): Methicillin-resistant *Staphylococcus aureus* (MRSA) isolated from raw milk and nasal swabs of small ruminants in Abeokuta, Nigeria. *Tropical Animal Health and Production* 52: 2599–2608. doi:10.1007/s11250-020-02301-x
12. Balogun, S. A., **Ojo, O. E.**, Bayode, O. O., Kareem, S. O. (2020): High level detection of extended spectrum beta-lactamase gene encoding Enterobacteriaceae in public toilets in Abeokuta, Nigeria. *Ceylon Journal of Science* 49: (2): 165–172. doi.org/10.4038/cjs.v49i2.7737
13. **Ojo O.E.**, Iledare A.M., Amosun E.A., Hassan J.O., Dipeolu M.A., (2019): Antimicrobial use and detection of cefotaxime-resistant Enterobacteriaceae in the pig production chain, Ogun State, Nigeria. *Revue d'Élevage et de Médecine Vétérinaire des pays Tropicaux*, 72 (4): 147-154, doi: 10.19182/remvt.31911
14. Agbaje, M., Lettini, A. A., **Ojo, O. E.**, Longo, A., Marafin, E., Antonello, K., Zavagnin, P., Oluwasile, B. B., Omoshaba, E. O., Dipeolu, M. A. (2019): Antimicrobial resistance profiles of *Salmonella* serovars isolated from dressed chicken meat at slaughter in

Kaduna, Nigeria. *Revue d'Élevage et de Médecine Vétérinaire des pays Tropicaux* 72 (4): 173-179. doi: 10.19182/remvt.31484

15. **Ojo, O. E.**, Ogunjobi, O. O., Oyekunle, M. A., Dipeolu, M. A., Otesile E. B. (2019): Prevalence and antimicrobial resistance of *Salmonella* and *Yersinia* in the feces of hunted wildlife in Abeokuta, Nigeria. *Revue d'Élevage et de Médecine Vétérinaire des pays Tropicaux* 72 (4): 141-146, doi: 10.19182/remvt.31478. doi: 10.19182/remvt.31478
16. Olujimi, O. O., Abubakar, R., Fabusoro, E., Sodiya, C. I., **Ojo, O. E.**, Towolawi, A. T. (2018): Levels of Heavy Metals in Local Milk and Cheese, and Phthalate Esters in Cheese by Settled Fulani Pastoralists in Ogun and Oyo States, Nigeria. *Nigerian Food Journal* 36 (1): 12 – 20.
17. Ajayi, O. L., Antia, R. E., **Ojo, O. E.**, Olaniyi, M. O., Awoyomi, O. J., Mshelbwala, F. M., Adebiyi, A. A., Oluwabi, T. M., and Kehinde, O. O. (2018): Preliminary studies on pathogenic *Leptospira* spp. in slaughtered pigs in Abeokuta, Ogun State, Nigeria. *Bulletin of Animal Health and Production in Africa* 66 (1): 35-43.
18. Okpara, E. O., **Ojo O. E.**, Awoyomi, O. J., Dipeolu, M. A., Oyekunle M. A., and Schwarz, S. (2018): Antimicrobial usage and presence of extended-spectrum β -lactamase producing Enterobacteriaceae in animal-rearing households of selected rural and peri-urban communities. *Veterinary Microbiology* 218: 31-39.
19. Omoshaba, E. O., **Ojo, O. E.**, Sofela, O. and Onifade, O. I. (2018): Prevalence and antibiotic resistance patterns of methicillin resistant *Staphylococcus aureus* in raw milk and soft cheese (wara) sold in Abeokuta, Nigeria. *Sokoto Journal of Veterinary Sciences*, 16 (1): 1-8.
20. Amosun, E. A., Agbato, A. O., Daodu, O. B. and **Ojo, O. E.** (2017): Evaluation of bacteria and antibiotic resistance profiling of Wara (White Soft Cheese) in Oyo-State, South-West, Nigeria. *Nigerian Veterinary Journal* 38 (4): 319-330.
21. **Ojo, O. E.**, Awoyomi, O. J., Fabusoro, E., Dipeolu, M. A. (2017): Activities and influence of veterinary drug marketers on antimicrobial usage in livestock production in Oyo and Kaduna States, Nigeria. *Journal of Agriculture and Rural Development in the Tropics and Subtropics* 118 (2): 207–216.
22. Omoshaba, E. O., Olufemi, F. O., **Ojo, O. E.**, Sonibare, A. O., Agbaje, M. (2017): Multidrug-resistant Salmonellae isolated in Japanese quails reared in Abeokuta, Nigeria. *Tropical Animal Health and Production* 49: 1455-1460.
23. **Ojo, O.E.**, Schwarz, S. and Michael, G. B. (2016). Detection and characterization of extended-spectrum β -lactamase-producing *Escherichia coli* from chicken production chains in Nigeria. *Veterinary Microbiology* 194: 62–68.
24. **Ojo, O.E.**, Fabusoro, E., Majasan, A.A., Dipeolu, M. A. (2016): Antimicrobials in animal production: usage and practices among livestock farmers in Oyo and Kaduna States of Nigeria. *Tropical Animal Health Production* 48; 189–197.

25. Oladunni, F. S., Oyekunle, M. A., Talabi, A. O., **Ojo, O. E.**, Takeet M. I., Adam, M. and Raufu I. A (2016): Phylogenetic analysis of *Dermatophilus congolensis* isolated from naturally infected cattle in Abeokuta and Ilorin, Nigeria. *Veterinary Medicine and Science* 2 (2); 136-142. doi: 10.1002/vms3.23.
26. **Ojo O. E.**, Bello A. O., Amosun E. A. and Ajadi R. A. (2014): Multidrug resistant verocytotoxin-producing multidrug resistant verocytotoxin-producing *Escherichia coli* O157:H7 in the faeces of diarrhoeic and non-diarrhoeic dogs in Abeokuta, Nigeria. *Veterinarski Arhiv* 84 (1); 63-73.
27. Oluwasile B. B., Agbaje M., **Ojo O. E.** and Dipeolu M. A. (2014): Antibiotic usage pattern in selected poultry farms in Ogun State. *Sokoto Journal of Veterinary Sciences* 12 (1); 45-50.
28. Awoyomi O. J. and **Ojo O. E.** (2014): Antimicrobial resistance in aerobic bacteria isolated from oral cavities of hunting dogs in rural areas of Ogun State, Nigeria. *Sokoto Journal of Veterinary Sciences* 12 (3); 47-51.
29. Ivbade A, **Ojo O. E.**, and Dipeolu M. A. (2014): Shiga toxin-producing *Escherichia coli* O157:H7 in milk and milk products in Ogun State, Nigeria. *Veterinaria Italiana* 50 (3); 185-191.
30. **Ojo O. E.**, Ajuwape A. T. P., Ajayi O. L., Otesile E. B., and Adetosoye A. I. (2013): Clinical manifestations in rabbits experimentally infected with *Escherichia coli* O157:H7 isolates of different virulence gene profiles. *Journal of Natural Sciences, Engineering and Technology* 11 (2); 22-32.
31. Grace D., Dipeolu M., Olawoye J., **Ojo E.**, Odebode S., Agbaje M., Akindana G and Randolph T. (2012): Evaluating a group-based intervention to improve the safety of meat in Bodija Market, Ibadan, Nigeria. *Tropical Animal Health and Production*, 44 (Suppl 1); S61–S66. doi 10.1007/s11250-012-0208-z
32. **Ojo O. E.**, Awosile B., Agbaje M., Sonibare A. O., Oyekunle M. A. and Kasali O. B. (2012): Quinolone resistance in bacterial isolates from chicken carcasses in Abeokuta, Nigeria: a retrospective study from 2005-2011. *Nigerian Veterinary Journal* 33 (2); 483-491.
33. **Ojo O. E.**, Ogunyinka O. G., Agbaje M., Okuboye J. O. , Kehinde O. O. and Oyekunle M. A. (2012): Antibigram of *Enterobacteriaceae* isolated from free-range chickens in Abeokuta, Nigeria. *Veterinarski Arhiv* 82 (6); 577-589.
34. **Ojo O. E.**, Oni O. O., Ogunjobi O. O., Okuboye J. O., Ogunyinka O. G. and Oyekunle M. A. (2012): Antimicrobial resistance in *Enterobacteriaceae* from intensively-reared apparently healthy and diseased poultry in Abeokuta, Nigeria. *Journal of Natural Sciences, Engineering and Technology* 11 (1); 112-128.

35. Agbaje M., Dipeolu M. A., Oyekunle M. A., Grace D. and **Ojo O. E.** (2011): Isolation of *Tatumella pyseos* from beef in Ibadan, Nigeria. *Nigerian Veterinary Journal* 32 (3); 222 – 225.
36. Agbaje M., Begum R. H. Oyekunle M. A., **Ojo O. E.** and Adenubi O. T. (2011): Evolution of *Salmonella* nomenclature: a critical note. *Folia Microbiology* 56; 497–503.
37. **Ojo O. E.**, Ajuwape A. T. P., Otesile E. B., Owoade A. A., Oyekunle M. A., and Adetosoye A. I. (2010): Potentially zoonotic shiga toxin-producing *Escherichia coli* serogroups in the faeces and meat of food-producing animals in Ibadan, Nigeria. *International Journal of Food Microbiology* 142; 214 - 221.
38. **Ojo O. E.**, Ajuwape A. T. P., Otesile E. B., and Owoade A. A. (2010): Detection of shiga toxin-producing *Escherichia coli* in poultry birds in Abeokuta, Nigeria. *Tropical Veterinarian* 28 (4); 1-10.
39. **Ojo O. E.** and Adetosoye A. I. (2009): *Salmonella typhimurium* infection in diarrhoeic and non-diarrhoeic dogs in Ibadan, Nigeria. *Veterinarski Arhiv*, 79 (4); 371-377.
40. Alo O. S. and **Ojo O.** (2007): Use of antibiotics in food animals: A case study of a major veterinary outlet in Ekiti State, Nigeria. *Nigerian Veterinary Journal* 28 (1); 80-82.