

## CURRICULUM VITAE

- I. (a) Name: Babasola Oluseyi Olugasa  
(b) Date of Birth: 25 January, 1972  
(c) Department: Veterinary Public Health and Preventive Medicine  
(d) Faculty: Veterinary Medicine
- II. (a) First Academic Appointment: Lecturer II - (23 March, 1999)  
(b) Present Post: Reader - (1 October 2015)  
(c) Date of Last Promotion: 01 October, 2015  
(d) Date Last Considered for Promotion (in cases where promotion was not through): Nil
- III. University Education (with dates)  
University of Ibadan (D.V.M) 1988 –1995  
University of Ibadan (M.Sc.) 1998 –1999  
University of Ibadan (Ph.D.) 2001 –2006
- IV. Academic Qualifications (with date and granting bodies)  
Doctor of Veterinary Medicine (D.V.M), University of Ibadan 1995  
Master of Science (M.Sc. *Epizootiology*), University of Ibadan 1999  
Doctor of Philosophy (Ph.D.), University of Ibadan 2006
- V. Professional Qualifications and Diplomas (with date)  
(a) Registered Veterinarian, Veterinary Council of Nigeria (VCN)  
VCN Registration Number 002715 1995  
(b) Honorary Diploma, American Veterinary Epidemiology Society (DAVES),  
Chicago, Illinois, United States of America 2013
- VI. Scholarships, Fellowships and Prizes (with date) in respect of Undergraduate and Postgraduate work only  
(a) Centre for Epidemiology and Animal Health (CEAH)/United Nations Food and Agriculture Organization, FAO-USDA/CEAH Fellowship-2002 Short-term training on emerging animal health issues: identification and analysis. US Department of Agriculture, Fort Collins, Colorado, USA. 2002  
(b) MASHAV Training Centre/The State of Israel’s Ministry of Foreign Affairs MASHAV Scholarship - 2003 Short-term training on veterinary public health activities, beyond treating animal diseases: animal vaccines, meat and milk quality control on the farm and assurance in the community for human well-being. MASHAV Training Centre, Kibbutz Shefayim, Israel. 2003  
(c) World Organization for Animal Health (OIE) Institute for International Cooperation in Animal Biologics /US Department of Agriculture Cochran

- Fellowship - Foreign Agricultural Services Training Grant - 2003 Short-term training on veterinary biologics, principles of veterinary vaccines and vaccination, assessing purity, safety, potency and efficacy of biological; Iowa State University, College of Veterinary Medicine, Ames, USA 2003
- (d) John D. and Catherine T. MacArthur Foundation/University of Ibadan Foreign Training Grant - 2003 Long-term training in geographic data management and analytical planning for animal disease surveillance, Iowa State University, College of Veterinary Medicine, Centre for Food Security and Public Health, Ames, USA (Dr. James A. Roth's Centre) 2003
- (e) John D. and Catherine T. MacArthur Foundation/University of Ibadan Re-Entry Grant - 2006 to conduct research and design extension methods at the University of Ibadan, Nigeria, for control and prevention of African swine fever in south-west Nigeria. (Grant 800/406/54/2006/REG/1) 2006
- (f) John D. and Catherine T. MacArthur Foundation/University of Ibadan Multidisciplinary Research Grant - 2006. Virology, immunology, genomics and epizootiology to discover a more effective method for African swine fever control in south-western Nigeria. (Ref: 800/406/54/2006 /MRG/3) 2006
- (g) Best PhD Thesis in the Faculty of Veterinary Medicine, University of Ibadan, Ibadan, Nigeria in the 2005/2006 academic session (June, 2006) 2006
- (h) Postgraduate School Award for two articles from PhD thesis published in international peer-reviewed Journals (awarded in June, 2007) 2007

VII. Honours, Distinctions and Membership of Learned Societies

- (a) *Professor Tielen Foundation* (PTF) Award/Young Scientists Overseas Travel Support - 1999 to be inducted into the International Society for Animal Hygiene and present oral scientific paper at the 10<sup>th</sup> International Congress on Animal Hygiene, Maastricht, The Netherlands. 1999
- (b) *Professor Tielen Foundation* (PTF) Award/Young Scientists Overseas Travel Support - 2002 to present scientific paper at the 11<sup>th</sup> International Congress on Animal Hygiene, Mexico city, Mexico. 2002
- (c) United Nations Food and Agriculture Organization (FAO/TCP/LIR/3202) Veterinary Epidemiology Consultant towards the control of transboundary animal diseases, especially Highly Pathogenic Avian Influenza in Liberia 2010
- (d) African Union, Intra-African Bureau of Animal Resources/Vaccines Against Neglected Animal Diseases (VACNADA)-Liberia Veterinary Epidemiology Consultant towards the Control of *Peste des Petit Ruminants* in Liberia. 2011
- (e) John D. and Catherine T. MacArthur Foundation Higher Education Initiative in Africa: Principal Investigator, Centre for Control and Prevention of Zoonoses (CCPZ) in Improving Postgraduate Programmes for Human-Animal Disease Surveillance in West Africa 2011

- |     |                                                                                                                                                                                                                                                                                             |      |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| (f) | Ministerial Advisory Panel on Planning for Rabies Control and its Annual Budgetary allocation in Nigeria, 2013-2015. Federal Ministry of Health, Abuja, Nigeria                                                                                                                             | 2013 |
| (g) | Chairman, Board of Trustees, the Society for Epizootiology in West Africa (SEWA), the Economic Community of West African States.                                                                                                                                                            | 2015 |
| (h) | General Secretary, Steering Committee, Society for Rabies in West Africa (RIWA), the Economic Community of West African States.                                                                                                                                                             | 2016 |
| (i) | External Examiner, Department of Veterinary Public Health and Preventive Medicine, Ahmadu Bello University, Zaria, Kaduna State, Nigeria                                                                                                                                                    | 2017 |
| (j) | Co-Principal Investigator, Rabies Epidemiological Surveillance Study in a South Western State of Nigeria. Sanofi Pasteur Sponsored RAB48 project, Centre for Control and Prevention of Zoonoses, University of Ibadan, Nigeria for Vaccine Epidemiology Unit, Sanofi Pasteur, Lyon, France. | 2018 |
| (k) | Chairman, Board of Trustees, the Pan-Africa Association of Veterinary Laboratory Diagnosticians (PAAVLD).                                                                                                                                                                                   | 2020 |
| (l) | Member, Nigerian Veterinary Medical Association (NVMA)                                                                                                                                                                                                                                      | 1995 |
| (m) | Member International Society for Animal Hygiene (ISAH)                                                                                                                                                                                                                                      | 2000 |
| (n) | Member, American Veterinary Epidemiology Society (AVES)                                                                                                                                                                                                                                     | 2013 |
| (o) | Member, Society for Epizootiology in West Africa (SEWA)                                                                                                                                                                                                                                     | 2015 |
| (p) | Member, Society for Rabies in West Africa (SRIWA)                                                                                                                                                                                                                                           | 2016 |

#### VIII. Details of Teaching and Work Experiences

##### (a) Teaching Appointment Held (with dates)

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|--------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| (i)    | Lecturer Grade II (University of Ibadan)                                                                                                     | 1999 – 2002    |
| (ii)   | Lecturer Grade I (University of Ibadan)                                                                                                      | 2002 – 2008    |
| (iii)  | Senior Lecturer (University of Ibadan)                                                                                                       | 2008 - 2015    |
| (iv)   | Associate Professor (Cuttington University, Liberia)                                                                                         | 2011 – 2012    |
| (v)    | Associate Lecturer, Disaster Risk Management, Geography Department                                                                           | 2012 till date |
| (vi)   | Associate Lecturer, (Graduate Seminar and Grant Writing Skills)<br>Plant Breeding Programme, Pan African University (PAU)                    | 2014 till date |
| (vii)  | Associate Lecturer, Vaccine Production and Quality Control Programme,<br>Pan African University, Life and Earth Sciences Institute (PAULESI) | 2017 till date |
| (viii) | Senior Lecturer, Public Health (Babcock University, Nigeria)                                                                                 | 2019 till date |
| (ix)   | Reader /Associate Professor (University of Ibadan)                                                                                           | 2015 till date |

I have co-taught at various times and Universities the listed Veterinary and Public Health courses:

(b) Course Taught

Undergraduate		1999 till date	
S.No.	Courses Title	Course Code	Unit
1	Veterinary Biostatistics	VPH 411	2
2	Field Practice III (Public Health and Epidemiology)	VPH 422	6
3	Food (Meat and Milk) Hygiene	VPH 513	2
4	Zoonoses and Environmental Health	VPH 525	2
5	Public Health and Preventive Medicine Clinics I	VPH 531	3
6	Public Health and Preventive Medicine Clinics II	VPH 632	6
7	Project	VPH 633	6
8	Animal Genetics and Breeding	AGR 301	3
9	Research Methodology in Public Health	PHSC 316	3
10	Senior Project and Presentation	AGR 409	3

Postgraduate		2006 till date	
S.No	Courses Title	Course Code	Unit
1	Principles of Epidemiology, Disease Control and Surveillance	PDPH 711	2
2	Advanced Epizootiology	VPH 711	3
3	Control of Major and Emerging Zoonoses	VPH 713	2
4	Veterinary Biometrics	VPH 717	3
5	Veterinary Environmental Health	VPH 722	2
6	Laboratory Diagnostic Methods	VPH 727	2
7	Seminar Presentation	VPH 730	2
8	Project (M.Sc./MVPH/MPVM/MPH)	VPH 731	6
9	Disease Surveillance and Emergency Preparedness (in Disaster Risk Management for Social Sciences)	DRM 715	2
10	Graduate Seminar and Grant Writing Skills	PPB 720	2
11	Laboratory Quality and Animal Management	PVP 704	2
12	Vaccine Registration	PVP 712	3
13	Epidemiology, Communicable Disease Surveillance, and Public Health Legislation	PHFC 813	3
14	Epidemiology of Communicable Diseases	EPDM 871	3
15	Epidemiology of Non-Communicable Diseases	EPDM 873	3
16	National Health Information Systems and Vital Statistics	EPDM 877	3
17	Advanced Epidemiology, Disease Control and Surveillance	PHFC 913	3

Projects Supervised

(i) Undergraduate Projects Supervised I have Supervised 60

(ii) Postgraduate Projects Supervised I have Supervised 54

*Completed:* B.Sc. - 7; DVM - 45; PGD -1; M.Sc. - 33; MPH – 9; M.Phil. - 1; PhD - 7

*On-going:* BSc - 8; PhD - 3

(c) Administrative Experience and Service to the University Community

I have had the privilege of serving University communities at various levels since 1999 as:

- |                                                                                                                                                                                                                    |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| i) Departmental Representative on Faculty Field Trip                                                                                                                                                               | 2000-2002      |
| ii) Member, Departmental Web-metrics Committee                                                                                                                                                                     | 2003-2005      |
| iii) Member of Senate, University of Ibadan, Nigeria<br>(Congregational Representative)                                                                                                                            | 2006-2011      |
| iv) Departmental Postgraduate Coordinator                                                                                                                                                                          | 2007-2008      |
| v) Member of Committee, Internationalization Strategic Planning,<br>University of Ibadan, 2010-2015                                                                                                                | 2007-2009      |
| vi) Member, Central Multidisciplinary Research Laboratory Committee,<br>(The Bioscience Users), University of Ibadan                                                                                               | 2010-2012      |
| vii) Assisting Priest, Epiphany Chapel, Cuttington University, Liberia                                                                                                                                             | 2011-2012      |
| viii) Pioneer Principal Investigator and Founding Director, Centre for<br>Control and Prevention of Zoonoses (CCPZ), University of Ibadan                                                                          | 2012 - 2019    |
| ix) Chairman/Co-Chair, Scientific Committee, International Conference on<br>Rabies in West Africa (RIWA), Ibadan (Nigeria 2012), Accra (Ghana 2016),<br>Bamako (Mali 2018), and Abuja (Nigeria 2019), respectively | 2012 till date |
| x) Faculty of Veterinary Medicine Representative on Senate Curriculum Committee                                                                                                                                    | 2014-2016      |
| xi) Chairman, Scientific Committee, Gabriel Oluwole Esuruoso Annual<br>Memorial Lecture and Book Exhibition                                                                                                        | 2014 till date |
| xii) Co-Principal Investigator, Rabies Epidemiological Surveillance<br>Study of Ogun State, Southwest Nigeria                                                                                                      | 2018 till date |
| xiii) Scientific Editor, Pan African Medical Journal - One Health (PAMJ-OH)                                                                                                                                        | 2019 till date |
| xiv) Managing Editor, Journal of Public and Allied Health Sciences (JOPAHS)                                                                                                                                        | 2021 till date |

(d) Clinical Service Experience

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|-------------------------------------------------------------------------------------|----------------|
| i) Veterinary Officer, National Youth Service Corps, Eruwa, Oyo State, Nigeria      | 1995-1996      |
| ii) Veterinary Projects Planning Officer, VetAcademic Resource Foundation, Ibadan   | 1996-1997      |
| iii) Veterinary Clinician, Airport Residential Area Veterinary Clinic, Accra, Ghana | 1997-1998      |
| iv) Registrar, Veterinary Teaching Hospital (VTH), University of Ibadan             | 1999-2013      |
| v) Consultant, Veterinary Teaching Hospital (VTH) University of Ibadan              | 2013 till date |

## IX. Research

### (a) Completed

1. Studies on work system design, privatization of veterinary services and actualization of “One-Health” collaboration in West Africa
2. Epizootiology of priority trans-boundary animal diseases, especially viruses of high economic importance in West Africa (including African swine fever, Foot-and-Mouth Disease and *Peste des Petits Ruminants*)
3. Epizootiology of priority zoonotic diseases of viral aetiology in West Africa (including Highly Pathogenic Avian Influenza H5N1, human and swine influenza H3N2, and Rabies)
4. Development of geo-spatial information infrastructure and data profile of Lassa fever in Liberia: a nowcasting and forecasting model for West Africa

### (b) In Progress

1. Research and education in spatio-temporal mapping of vaccine coverage and molecular characterization of rabies viruses at the human-animal-environment interface in West Africa towards stepwise elimination of the disease in humans

This project was started in August 2017 when my laboratory team detected eleven (11) rabies N-gene sequences in Liberia and accessioned in NCBI GenBank, including MF765758, the first reported case of China Lineage 2 rabies virus strain in Africa co-circulating with Africa Lineages. The project will facilitate One-Health audit of rabies viruses in West Africa. The study is to generate human-animal geospatial observation-linked data (GOLD) profile for the Strategic Regional Rabies Control Elaboration and Validation Exercise (2RCSEVE) in all 15 countries of Economic Community of West African States (ECOWAS). The research focuses on harmonizing rabies GOLD profile design from annual validated animal bite victims, human post-exposure prophylaxis, and animal anti-rabies vaccination records across Rabies in West Africa (RIWA) network to stimulate more efforts towards active surveillance of rabies in one-health mode within ECOWAS sub-region. Six postgraduate students (3 PhD, 1 MPhil, 2 MSc Epizootiology) are benefiting from this project. The project is 75% completed and is scheduled for completion by July, 2020.

2. Research and education in spatio-temporal mapping of Ebola Virus Disease spread and control at the human-animal-environment interface in West Africa

This project was started in October 2014 as a major attempt at sustaining preparedness education and research activities on Ebola virus disease (EVD) in Nigeria and selected West African countries. The project is now 80% completed and is due for completion in October 2019. Ebola virus disease was

declared an epidemic of international concern in West Africa in July 2014 by the WHO. Although EVD was consequently controlled in all the countries affected, re-emergence was recorded in Liberia and Sierra Leone. There is need to actively sustain surveillance at strategic locations across the sub-region. Geographic maps and time-series analysis of risk factors of EVD are being compiled and evaluated in this study at the human-animal-environment interface. To date, 2 postgraduate students (1 PhD, 1 Masters) have benefited or are still benefiting from the project. I offer community health promotion on EVD risk and public awareness promotion through extension education at the Centre for Control and Prevention of Zoonoses (CCPZ), University of Ibadan.

3. Research and education in the spatio-temporal mapping of Pandemic Influenza-A virus spread and control at the human-animal interface in West Africa

This project was started in August 2013 as a major attempt at sustaining research activities into the occurrence, distribution, control and prevention of Pandemic Influenza-A virus (PIAV) in Ghana, Liberia, Nigeria and Sierra Leone. The project is 90% completed and is expected to end in October 2019. The studies entail isolation and molecular characterization of Influenza-A virus and their phylogenetic analysis in comparison to Pandemic strains accessioned in the NCBI GenBank. The project will achieve One Health audit, spatial mapping and time-series model of PIAV at the human-animal-environment interfaces in West Africa. Two postgraduate students (1 PhD, 1 Masters) are benefiting from this project. From the on-going studies, some eight (8) influenza-A viruses have been isolated, with their nucleotide and protein sequences accessioned in NCBI GenBank. The GenBank accession numbers are: (i) KX429673; (ii) KX429674, (iii) KX429675; (iv) KX429676; (v) KX429677; (vi) KX429678; (vii) KX429679; and (viii) KX429680. I have therefore continued to promote community health education in West Africa, providing extension information on influenza detection, spatial distribution pattern and control initiatives, with forecasts for selected communities at risk in Ghana, Liberia, Nigeria and Sierra Leone.

(c) Project, Dissertation and Thesis

**Olugasa, B. O.** Determination of the health status and problems of a small flock of West African Dwarf Goats in a backyard environment in Ibadan, Nigeria. D.V.M. Project, 1995. University of Ibadan, Ibadan, Nigeria. 102 pp.

**Olugasa, B. O.** Evaluation of the health status and problems of resident White Fulani cattle herds in Eruwa town and environs, Oyo State, Nigeria. M.Sc. Epizootiology Project, 1999. University of Ibadan, Ibadan, Nigeria. 88 pp.

**Olugasa, B. O.** Epizootiology of African swine fever outbreaks in South-Western Nigeria, 1997-2005. Ph.D. Thesis, 2006. University of Ibadan, Ibadan, Nigeria. 204 pp.

## X. Publications

### (a) Books already published

1. Esuruoso, G. O., Ijagbone, I. F. and **Olugasa, B. O.** (2005). *Introductory Epizootiology*, 2<sup>nd</sup> Edition. Published by VetAcademic Resource Publishers and Consultants, Ibadan, Nigeria. Printed by GLJ Press, Ibadan. 322 pp. ISBN 978-075-395-8. (Nigeria) Contribution - 30%
2. Adeyemi, I. G., Alonge, D. O., Agbede, S. A., Ogundipe, G. A. T., Ishola, O. O., Babalobi, O. O., Ijagbone, I. F., Cadmus, S. I. B., Adedeji, O. B., Adeyemo, O. K., **Olugasa, B. O.**, Adetunji, V. O., Olatoye, I. O., Awosanya, A. E. J., Ojomo, B. and Agboola, B. B. (2008). *Clinical and Laboratory Manual: Veterinary Public Health-Preventive Medicine Wildlife and Fish Diseases*. Produced by the Department of Veterinary Public Health and Preventive Medicine, University of Ibadan. Kehny Prints, Ibadan. 94 pp. ISBN 978-978-085-839-1. (Nigeria) Contribution - 20%
- \*3. **Olugasa, B. O.** (2014). *Opportunities for Field Research and Short Course in Human-Animal Disease Surveillance in West Africa*. Produced by Centre for Control and Prevention of Zoonoses, University of Ibadan. Printed by Ibadan Diocesan Press, Ibadan 90 pages. ISBN 978-978-52971-3-3. Copyright LW3698, Nigerian Copyright Commission. (Nigeria) Contribution - 100%
- \*4. **Olugasa, B. O.** and Fasunla, A. J. (2017). *Getting to Know Human-Animal Disease Surveillance in West Africa: A Manual of Spatial and Spatio-Temporal Epizootiology*. Revised Edition. Published by Centre for Control and Prevention of Zoonoses, University of Ibadan. Ibadan 202 pages. ISBN 978-978-957-961-7. Copyright LW2104, Nigerian Copyright Commission. (Nigeria) Contribution - 70%

### (b) Chapters in books already published:

- \*5. Emikpe B.O., **Olugasa B. O.** (2016). Zoonoses and the health of the zoo workers. Chapter 6 In: Morenikeji O. A. (Edited) *Wildlife and Zoo Management*. Ibadan University Press. ISBN 978-978-54045-9-3. Pp.93-106. (Nigeria) Contribution - 40%

### (c) Articles that have already appeared in Refereed Conference Proceedings

6. Esuruoso, G. O. and **Olugasa, B. O.** (1997). Perspectives in social responsibilities of professionals in Nigeria. *VARF Quarterly Bulletin* Vol. 1, No. 1: 1-24. (Nigeria) Contribution - 50%
7. **Olugasa, B. O.** and Esuruoso, G. O. (1999). Exploring shared areas of work systems for veterinary officers and private practitioners in Nigeria: A recipe for success at all levels. In: *Proceedings of the 36<sup>th</sup> Annual Congress of the Nigerian Veterinary Medical Association (NVMA)*. Arewa House, Kaduna, Nigeria. Published by NVMA Kaduna, pages 71-75. (Nigeria) Contribution - 80%
8. Esuruoso, G. O. and **Olugasa, B. O.** (1999). Opportunities for mixed ruminant practice, production and related veterinary business packages. In: *Esuruoso, G. O. (Edited)*



*Gateway to Effective Management of Modern Veterinary Services and Privatization of Veterinary Functions in Nigeria.* VetAcademic Resource Publishers and Consultants, Ibadan pp 32-44. ISBN 978-978-52971 (Nigeria) Contribution - 50%

9. **Olugasa, B. O.**, Cadmus, S. I. B. and Atsanda, N. N. (2000). Actualization of strategies for beef quality control in South-Western Nigeria. In: *Proceedings of the 10<sup>th</sup> International Congress on Animal Hygiene*. Tielen, M. J. M. (Edited). July 2<sup>nd</sup> - 6<sup>th</sup>. Maastricht, the Netherlands. Published by Animal Health Service in the Netherlands. Printed by ADDIX, Wijk bij Duusted. Vol. 1, pages 67-71. (The Netherlands) Contribution - 70%
10. Coker, A. O., **Olugasa, B. O.** and Adeyemi, A. O. (2001). Abattoir wastewater quality in south western Nigeria. In: *People and Systems for Water, Sanitation and Health*. Scott R. (Edited). *Proceedings of the 27<sup>th</sup> Conference of Water Engineering and Development. Held at Lusaka, Zambia, August 27 – September 1, 2001*. Published by Water Engineering and Development Centre (WEDC), Loughborough University, United Kingdom pages 329-331. (United Kingdom) Contribution - 30%
11. **Olugasa, B. O.**, Esuruoso, G. O. and Oghre-Ikanone, E. (2003). Teaching animal hygiene at the University of Ibadan, Ibadan, Nigeria. In: *Proceedings of the 11<sup>th</sup> International Congress on Animal Hygiene*. Saltijeral, J. (Edited). Published by Universidad Autonoma Metropolitana, Mexico City, Mexico. 23-27 February, 2003 Vol. 1 pages 371-375. (Mexico) Contribution - 70%
12. **Olugasa, B. O.**, Oluwayelu, D. O., Adewale, G. A., Ayoade, G. O., Ijagbone, I. F., Babalobi, O. O. and Agbede, S. A. (2005). Confirmatory diagnosis of African swine fever in southern Nigeria by immunoblotting assay. In: *Animals and Environment. Proceedings of the 12<sup>th</sup> International Congress on Animal Hygiene*, Warsaw Poland. A. K. R. Wrzesien (Edited). Published by Warsaw Agricultural University, Poland, Vol. 1: 343-347. (Poland) Contribution -50%
13. Ekong, P. S., **Olugasa, B. O.**, Oyetunde, I. L., Waziri, N. E. and Joanes, T. N. (2007). Spatial distribution of primary outbreaks of highly pathogenic avian influenza in Nigeria. In: *Animal Health, Animal Welfare and Biosecurity. Proceedings of the 13<sup>th</sup> International Congress on Animal Hygiene, Estonia*. Aland, A. (Edited). Published by Estonia University of Life Sciences, Vol. 1: 740-743. (Estonia) Contribution - 30%
14. Olatoye, O. I., **Olugasa, B. O.**, Omolaja, A. A. and Ojeyinka, O. T. (2009). Serological evidence of avian influenza viruses in pigs in South-Western Nigeria. In: *Proceedings of the 14th International Congress on Animal Hygiene*, 19-23 July, 2009. Briese, A., Claub, M., Hartung, J., and Springorum, A. (Edited). Held at the University of Vechta, Germany Published by Tribun EU, Brno, Czech Republic. Vol. 2: 721-726. (Germany) Contribution - 25%
15. Jagun, A. T., Ajayi, O. L. Ilugbo, M. O. and **Olugasa, B. O.** (2011). Isolation and prevalence of pathogenic *Leptospira interrogans* in slaughtered cattle in two abattoirs in South-western Nigeria. In: *Proceedings of the 15th International*

*Congress on Animal Hygiene*, 3-7 July, 2011. Aland, A., Algers B., and Banhazi, T. (Edited). Held at the University of Veterinary Medicine, Vienna, Austria. Vol. 3: 235-237. (Austria) Contribution - 20%

- \*16. Odigie, A. and **Olugasa, B.** Lassa fever risk perception and one health considerations associated with rodent control practices in a Nigerian University. In: Reyes L. A. (Edited) *Proceedings of the 18th International Congress on Animal Hygiene*, 19-23 March, 2017. Held at the Autonomous University of Sinaloa, Mazatlán, Sinaloa, Mexico. Vol. 3: 244-247. (Mexico) Contribution - 50%

(d) Patents and Copyrights

- \*17. Esuruoso, G. O. and **Olugasa, B. O.** (2017). Epizootiology and Animal Health in West Africa: a sub-regional serial. LW2084. *Nigerian Copyright Commission*. ISSN 2550-7990. (Nigeria)

(e) Articles that have already appeared in learned Journals

18. Esuruoso, G. O. and **Olugasa, B. O.** (1997). Actualization of strategies for privatized preventive veterinary services to nomadic herdsman in southern Nigeria. *Epidemiologie et Sante Animal* Vol. 31. No 2: 22. 1-3. (France) Contribution - 50%

19. **Olugasa, B. O.** (2000). Relevance of value and integrity to the ideals of VARF organization and in relation to the mandate of the Veterinary Council of Nigeria. *VARF Quarterly Bulletin* Vol. 4: 42-45. (Nigeria) Contribution - 100%

20. Babalobi, O. O., Ayoade, G. O., **Olugasa, B. O.**, Oluwayelu, D. O. and Oyedele, O. (2003). Differential diagnosis of a swine epizootic of unknown aetiology in Ibadan, Oyo state, Nigeria. *Israel Journal of Veterinary Medicine* Vol. 58, No. 2/3:86 – 89. (Israel) Contribution - 20%

21. Ijagbone, I. F., Esuruoso, G. O., Adeyemi, I. G., **Olugasa, B. O.** and Agbede, S. A. (2005). An outbreak of animal trypanosomosis in a Fulani herd at Idofian in Kwara State, Nigeria. *Vom Journal of Veterinary Science* Vol. 1, No. 2: 76 – 79. (Nigeria) Contribution - 20%

22. **Olugasa, B. O.** and Ijagbone, I. F. (2007). Pattern of spread of African swine fever in South-Western Nigeria, 1997-2005. *Veterinaria Italiana*, Vol. 43, No.3: 621-628. (Italy) Contribution - 80%

23. Babalobi, O. O., **Olugasa, B. O.**, Oluwayelu, D. O., Ijagbone, I. F., Ayoade, G. O. and Agbede, S. A. (2007). Analysis and evaluation of mortality losses of the 2001 African swine fever outbreak, Ibadan, Nigeria. *Tropical Animal Health and Production* Vol. 39, No. 7: 533-542. (United Kingdom) Contribution - 25%

24. **Olugasa, B. O.** (2007). Serological evidence of African swine fever virus infection in commercial pig herds in southwest Nigeria. *African Journal of Livestock Extension* Vol. 5: 61-66. (Nigeria) Contribution - 100%

25. **Olugasa, B. O.** (2008). African swine fever control in Ibadan, Nigeria: Problems, needs and veterinary extension opportunities. *African Journal of Livestock Extension* Vol. 6:29-35. (Nigeria) Contribution - 100%
26. Adeola, O. A., Adeniji, J. A. and **Olugasa, B. O.** (2009). Isolation of influenza A viruses from pigs in Ibadan, Nigeria. *Veterinaria Italiana* Vol. 45, No. 3: 383-390. (Italy) Contribution - 25%
27. **Olugasa, B. O.**, Odeniyi, A. O., Adeogun, A. O. and Adeola, O. A. (2010). Antibody levels against rabies among occupationally exposed individuals in a Nigerian University. *Veterinaria Italiana* Vol. 46, No. 1:21-28. (Italy) Contribution - 60%
28. Adeola, O. A., Adeniji, J. A. and **Olugasa, B. O.** (2010). Detection of haemagglutination-inhibiting antibodies against human H1 and H3 strains of influenza A viruses in pigs in Ibadan, Nigeria. *Zoonoses and Public Health* Vol. 57, No. 7-8:e89-94. (United States of America) Contribution - 25%
29. Ishola, O. O., Wungak, Y. S., **Olugasa, B. O.**, Davis, L. D. and Ekong, P. (2011). Serological survey of Foot and Mouth Disease in cattle in Jos South Local Government Area of Plateau State. *Vom Journal of Veterinary Sciences* Vol. 8 No. 1: 16-21. (Nigeria) Contribution - 20%
30. Adeyemo, O. K., Ganiyu, O. I. and **Olugasa, B. O.** (2011). Comparative evaluation of productivity and cost effectiveness of catfish fingerling production in earthen pond and recirculation system in Ibadan, Nigeria. *Nigerian Veterinary Journal*. Vol. 32, No. 1: 5-8. (Nigeria) Contribution -20%
31. **Olugasa, B. O.**, Oluwayelu, D. O., Ayinmode, A. B., Emikpe, B. O., Ijagbone, I. F. and Cadmus, S. I. B. (2011). Epizootiology in contemporary global health: making a difference in the health of people in West Africa. *Nigerian Journal of Epidemiology* Vol. 1, No.1: 35-42. (Nigeria) Contribution - 50%
32. **Olugasa, B. O.**, Aiyedun, J. O. and Emikpe, B. O. (2011). Prevalence of antibody against rabies among confined, free roaming and stray dogs in a transit city of Nigeria. *Veterinaria Italiana* Vol. 47, No. 4: 453-460. (Italy) Contribution - 60%
33. **Olugasa, B. O.**, Ijagbone, I. F. and Esuruoso, G. O. (2012). It is over three decades of graduate education in Epizootiology at the University of Ibadan, Nigeria (1975-2011): is there a need to revise the curriculum? *PanAfrican Medical Journal* Vol. 12 No. 70: 1-8. (Uganda) Contribution - 70%
34. Oluwole, O. E., Emikpe, B. O. and **Olugasa, B. O.** (2012). Attitude of poultry farmers towards vaccination against Newcastle disease and avian influenza in Ibadan, Nigeria. *Sokoto Journal of Veterinary Sciences* Vol. 10, No. 1: 5-12. (Nigeria) Contribution - 25%
35. Aiyedun, J. O. and **Olugasa, B. O.** (2012). Use of aerial photograph to enhance dog population census in Ilorin, Nigeria. *Sokoto Journal of Veterinary Sciences* Vol. 10, No. 1: 22-27. (Nigeria) Contribution - 50%

36. **Olugasa, B. O.** and Anderson, J. R. N. (2012). Assessment of seroconversion against *peste des petits ruminants* vaccine among sheep and goats in Buchanan, Liberia. *Sokoto Journal of Veterinary Sciences* Vol. 10, No.2: 56-60. (Nigeria) Contribution - 80%
37. Aiyedun, J. O. and **Olugasa, B. O.** (2012). Identification and analysis of dog use, management practices and implications for rabies control in Ilorin, Nigeria. *Sokoto Journal of Veterinary Sciences* Vol. 10, No. 2: 1-6. (Nigeria) Contribution - 50%
38. **Olugasa, B. O.**, Emikpe, B. O., Oluwayelu, D. O., Cadmus, S. I. B., Ayinmode, A. B. and Oluwole, O. E. (2012). Field evaluation of immunogenicity of five commercial vaccines against Newcastle disease in poultry in Ibadan, Nigeria. *Nigerian Veterinary Journal* Vol. 33, No. 2: 475-482. (Nigeria) Contribution - 50%
39. **Olugasa, B. O.**, Dogba, J. B., Nykoi, J. D., Ogunro, B. N., Odigie, E. A., Ojo, J. F., Taiwo, T., Kamara, A., Mulbah, C. K. and Fasunla, A. (2014). The rubber plantation environment and Lassa fever epidemics in Liberia, 2008-2012: A spatial regression. *Spatial and Spatio-temporal Epidemiology* Vol. 11:163-174. (The Netherlands) Contribution - 40%
40. **Olugasa, B. O.** (2014). The geospatial information infrastructure at the Centre for Control and Prevention of Zoonoses, University of Ibadan, Nigeria: an emerging and sustainable one-health pavilion. *African Journal of Medicine and Medical Sciences* Vol. 43 (Supplement 1):65-78. (Nigeria) Contribution - 100%
41. **Olugasa, B. O.**, Okeke, O. S. and Ishola, O. O. (2014). Geographic access to street food sources for dogs and its association with spatial pattern of animal bite injury in Enugu, Nigeria, 2005-2011. *African Journal of Medicine and Medical Sciences* Vol. 43 (Supplement 1):79-86. (Nigeria) Contribution - 50%
42. Dogba, J. B., Cadmus, S. I. B. and **Olugasa, B. O.** (2014). Mapping of *Mycobacterium tuberculosis* cases in post-conflict Liberia, 2008-2012: A descriptive and categorical analysis of age, gender and seasonal pattern. *African Journal of Medicine and Medical Sciences* Vol. 43 (Sup. 1):117-124. (Nigeria) Contribution - 30%
43. Jomah, N. D., Ojo, J. F., Odigie, E. A. and **Olugasa, B. O.** (2014). Development of a time-trend model for analyzing and predicting case pattern of dog bite injury induced rabies-like illness in Liberia, 2013-2017. *African Journal of Medicine and Medical Sciences* Vol. 43, Supplement No. 1:87-95. (Nigeria) Contribution - 40%
44. **Olugasa, B. O.**, Odigie, E. A., Lawani, M. and Ojo, J. F. (2015). Development of a time-trend model for analyzing and predicting case pattern of Lassa fever epidemics in Liberia, 2013-2017. *Annals of African Medicine* Vol. 14, No.2:89-96. (India) Contribution - 50%
45. **Olugasa, B. O.** and Dogba, J. B. (2015). Mapping of Lassa fever cases in post-conflict Liberia, 2008-2012: A descriptive and categorical analysis of age, gender and seasonal pattern. *Annals of African Medicine* Vol. 14, No.2: 120-122. (India) Contribution - 80%
46. Awosanya, E. J., **Olugasa, B. O.** Ogundipe, G. and Grohn, Y. T. (2015). Sero-prevalence and risk factors associated with African swine fever on pig farms in southwest

Nigeria. *BMC Veterinary Research* Vol. 11, No.1:133. (United States) Contribution - 30%

47. **Olugasa, B. O.**, Oshinowo, O. Y. and Odigie, E. A. (2015). Preventive and social cost implications of Ebola Virus Disease (EVD) outbreak on selected organizations in Lagos state, Nigeria. *Pan African Medical Journal* Vol.22, Supplement 1: 20. (Kenya) Contribution - 60%
- \*48. Adeola, O. A., **Olugasa, B. O.**, Emikpe, B. O. (2015). Detection of pandemic strain of influenza virus (A/H1N1/pdm09) in pigs, West Africa: implications and considerations for prevention of future influenza pandemics at the source. *Infection Ecology and Epidemiology* Vol. 5\_30227. doi: 10.3402/iee.v5.30227. eCollection 2015. (Sweden) Contribution - 30%
- \*49. Wungak, Y., Ishola, O., **Olugasa, B. O.**, Lazarus, D. D., Ularanu, H. G. (2015). Seroprevalence of foot and mouth disease (FMD) among sedentary cattle in northern Plateau, Nigeria. *Asian Journal of Medical and Biological Research*, 1(2),169-174; doi:10.3329/ajmbr.v1i2.25607 (Bangladesh) Contribution - 20%
- \*50. Adeola, O. A., **Olugasa, B. O.** and Emikpe, B. O. (2016). Antigenic detection of human strain of influenza virus A (H3N2) in swine populations at three locations in Nigeria and Ghana during the dry early months of 2014. *Zoonoses and Public Health*; Volume 63: 106–111. (United States of America) Contribution - 30%
- \*51. Wungak, Y., **Olugasa, B. O.**, Ishola, O., Lazarus, D. D., Ularanu, H. G. (2016). Foot and mouth disease (FMD) prevalence and exposure factors associated with seropositivity of cattle in north-central Nigeria. *African Journal of Biotechnology*, 15(24), 1224-1232 (Kenya) Contribution - 20%
- \*52. Ojo, D. T., **Olugasa, B. O.**, Mshelbwala, P. P. (2016). Assessment of compliance of referral veterinary hospitals to sample collection preservation and reporting of suspected cases of rabies in south-west Nigeria. *Journal of Veterinary Science and Technology*, 7(304), 2. (United Kingdom) Contribution - 40%
- \*53. Ogunro, B. N., **Olugasa, B. O.**, Olaleru, F., Oladiti, F. (2017). Human-monkey interaction on a University campus in Nigeria: An avenue for zoonotic disease transmission at the human-wildlife interface? *Sokoto Journal of Veterinary Sciences*, Volume 15 (Number 2): 54-61. (Nigeria) Contribution - 30%
- \*54. Olarinmoye, A. O., **Olugasa, B. O.**, Niphuis, H., Herwijnen, R. V., Verschoor, E., Boug, A., Ishola, O. O., Buitendijk, H., Fagrouch, Z., Al-Hezaimi, K. (2017). Serological evidence of coronavirus infections in native hamadryas baboons (*Papio hamadryas hamadryas*) of the Kingdom of Saudi Arabia. *Epidemiology and Infection*, 145(10):2030-2037. (United Kingdom) Contribution - 20%
- \*55. Olarinmoye, A. O., Ojo, J. F., Fasunla, A. J., Ishola, O. O., Dakinah, F. G., Mulbah, C. K., Al-Hezaimi, K., **Olugasa, B. O.** (2017). Time series analysis and mortality model of dog bite victims presented for treatment at a referral clinic for rabies exposure in Monrovia Liberia, 2010-2013. *Spatial and Spatio-temporal Epidemiology*; Volume 22, pp. 1-13. (The Netherlands) Contribution - 30%

- \*56. Wungak, Y. S., Ishola, O. O., **Olugasa, B. O.**, Lazarus, D. D., Ehizibolo, D. O., Ularamu, H. G. (2017). Spatial pattern of foot-and-mouth disease virus serotypes in North Central Nigeria. *Veterinary World*, 10(4):450-456. (India) Contribution - 20%
- \*57. Adeola, O. A., **Olugasa, B. O.**, Emikpe, B. O. (2017). Molecular detection of influenza A(H1N1)pdm09 viruses with M genes from human pandemic strains among Nigerian pigs, 2013-2015: implications and associated risk factors. *Epidemiology and Infection*, Volume 145(16): 3345-3360. (United Kingdom) Contribution - 30%
- \*58. Omóbòwálé, T. O., Ogunro, B. N., Odigie, E. A., Otuh, P. I., **Olugasa, B. O.** (2017). A comparison of surface infrared with rectal thermometry in dogs. *Nigerian Journal of Physiological Sciences*; 32(2):123-127. (Nigeria) Contribution - 20%
- \*59. Odigie, A. E., Ekeolu, K. O., Asemota, D. O., Uwagie-Ero, E. A., Aighewi, I. T., Ighedosa, S. U., Usifoh, S. F., **Olugasa, B. O.**, Asemota, O., Fagboya, T. E. (2018). Comparative non-metric and morphometric analyses of rats at residential halls of the University of Benin campus, Nigeria. *Journal of Infection and Public Health*; Vol. 11, No. 3:412-417. (Saudi Arabia) Contribution - 20%
- \*60. Ogunro, B. N., **Olugasa, B. O.**, Verschoor, E. J., Olarinmoye, A. O., Theyse, I. and Niphuis, H. (2018). Serological detection of Ebola virus exposures in native non-human primates of southern Nigeria. *Journal of Epidemiology and Global Health*; Vol. 8, No. 3-4:162-170. DOI: 10.2991/j.jegh.2018.05.001. (Accepted: 14 May 2018, Published: 31 December 2018) (Saudi Arabia) Contribution - 20%
- \*61. Adeola OA, **Olugasa BO**, Emikpe BO, Folitse RD. (2019). Syndromic survey and molecular analysis of influenza viruses at the human-swine interface in two West African cosmopolitan cities suggest the possibility of bidirectional interspecies transmission. *Zoonoses and Public Health*; Volume 66(2):232-247. doi: 10.1111/zph.12559. PMID: 30680936 (Germany) Contribution - 20%
- \*62. Olarinmoye AO, Kamara V, Jomah ND, **Olugasa BO**, Ishola OO, Kamara A, Luka PD. (2019). Molecular detection of rabies virus strain with N-gene that clustered with China lineage 2 co-circulating with Africa lineages in Monrovia, Liberia: first reported case in Africa. *Epidemiology and Infection*; 147:e85. doi: 10.1017/S0950268818003333. PMID: 30868993 (United Kingdom) Contribution - 20%
- \*63. Ogunro BN, **Olugasa BO**, Kayode A, Olayina OO, Kolawole ON, Odigie EA, Happi C (2019). Detection of antibody and antigen for Lassa virus nucleoprotein in monkeys from Southern Nigeria. *Journal of Epidemiology and Global Health*; 9(2):125-127. doi: 10.2991/jegh.k.190421.001. (Saudi Arabia) Contribution - 20%
- \*64. Olarinmoye AO, Kamara V, Jomah ND, **Olugasa BO**, Ishola OO, Kamara A, Luka PD. (2019). Re: Letter to the Editor in Response to 'Molecular detection of rabies virus strain with N-gene that clustered with China lineage 2 co-circulating with Africa lineages in Monrovia, Liberia: first reported case in Africa'. *Epidemiol Infect.* 2019 Dec 11;147:e318. PMID: 31822315 (United Kingdom) Contribution - 20%

- \*65. **Olugasa BO**, Fasunla AJ (2020). One health data audit: a spatio-temporal approach to cultivating sustainable multidisciplinary collaboration and communication in zoonoses surveillance, control and stepwise elimination. *Pan African Medical Journal - One Health*. 1 (1),5 <https://www.one-health.panafrican-med-journal.com/content/article/1/5/full> (Kenya) Contribution - 50%
- \*66. Vora NM, Osinubi MOV, Davis L, Abdurrahman M, Adedire EB, Akpan H, Aman-Oloniyio AF, Audu SW, Blau D, Dankoli RS, Ehimiyein AM, Ellison JA, Gbadegesin YH, Greenberg L, Haberling D, Hutson C, Idris JM, Kia GSN, Lawal M, Matthias SY, Mshelbwala PP, Niezgoda M, Ogunkoya AB, Ogunniyi AO, Okara GC, **Olugasa BO**, Ossai OP, Oyemakinde A, Person MK, Rupprecht CE, Saliman OA, Sani M, Sanni-Adeniyi OA, Satheshkumar PS, Smith TG, Soley MO, Wallace RM, Yennan SK, and Recuenco S. (2020). Bat and lyssavirus exposure among humans in region that celebrates a bat festival, Nigeria, 2010 and 2013. *Emerging and Infectious Diseases*. July. <http://dx.doi.org/10.3201/eid2607.191016> (United States)
- \*67. Mbilo C, Coetzer A, Bonfoh B, Angot A, Bebay C, Cassamá, B, Paola DB, Ebou MH, Gnanvi C, Kallo V, Lokossou RH, Manjuba C, Etienne M, Mouillé B, Mounkaila M, Ndour APN, Nel L, **Olugasa B**, Pato P, Pyana PP, Reramyath GA, Roamba RC, Sadeuh-Mba SA, Suluku R, Suu-Ire R, Tejiokem M, Tetchi SM, Tiembre I, Traoré A, Voupawoe G, Zinsstag J. (2020). Dog rabies control in West and Central Africa: A review. *Acta Tropica* <http://dx.doi.org/10.1016/j.actatropica.2020.105459> (Switzerland)
- \*68. **Olugasa BO**, Jomah ND, Dogba JB, Ishola OO, Olarinmoye AO, Adeola OA, Ojo JF, Aldosari A (2020). Improving dog bite victim survey and estimation of annual human deaths due to suspected rabies cases in three selected Liberian cities and environs, 2008–2017. *PLoS Neglected Tropical Diseases* 14(12):e0008957. <https://doi.org/10.1371/journal.pntd.0008957> (United States) Contribution - 30%
- \*69. Al-Mustapha A, Abubakar AT, Oyewo M, Bamidele FO, Ibrahim A, Shuaib MO, **Olugasa BO**, Balogun MS, Kia G, Mazeri S, Heikinheimo A (2021) Baseline epidemiology and associated dog ecology study towards stepwise elimination of rabies in Kwara state, Nigeria. *Preventive Veterinary Medicine* Vol. 189, 105295 *Elsevier* (United States) <https://doi.org/10.1016/j.prevetmed.2021.105295> PMID: 33611031
- \*70. Ihekweazu C, Michael CA, Nguku PM, Waziri NE, Habib AG, Muturi M, Olufemi A, Dzikwi-Emennaa AA, Balogun MS, Visa TI, Dalhat MM, Atama NC, Umeokonkwo CD, Mshelbwala GM, Vakuru CT, Kabir J, Okolocha EC, Umoh JU, **Olugasa B**, Babalobi O, Lombin L, Cadmus S (2021). Nigeria Zoonotic Diseases Prioritization Group. Prioritization of zoonotic diseases of public health significance in Nigeria using the one-health approach. *One Health*. 2021 Apr 28;13:100257. <https://doi.org/10.1016/j.onehlt.2021.100257> PMID: 34041346; PMCID: PMC8144726.

\* Articles that have been published since last promotion to Reader in 2015.

f. Books, Chapters in Books and Articles already accepted for publication

71. **Olugasa, B. O.** and Sabitu, K. (2015). Epizootiology in the veterinary, human medical and public health practices. *Archives of Ibadan Medicine* Vol.10 (One-Health Issue): 14 pp. (Nigeria) Contribution - 60%
72. Ohemeng-Parker NY, **Olugasa BO**, Abejegah C, Olumoyegun JM (2021). Mapping of Lassa fever epidemics in Owo, Ondo State, Nigeria, 2018-2020: a descriptive and categorical analysis of age, gender and seasonal pattern. *Journal of Public and Allied Health Sciences* Vol.3/4(2):9pp
73. Aduroja AE, **Olugasa BO** (2021). Dietary knowledge and attitudes of in-school adolescents in private secondary schools in Ifako-Ijaye Local Government Lagos Nigeria. *Int. Journal of Innovative Science and Research Technology* Vol. 6(5)1144-9 - <https://www.ijisrt.com/assets/upload/files/IJISRT21MAY1065.pdf>
74. James UA, Oyerinde OO, **Olugasa BO**, Olummoyero JM, Fadipe O, Chigue L, Sule JE (2021). Determinants of spatio-temporal pattern of pentavalent vaccine uptake among resident children in Ikenne Local Government Area, Ogun State, Nigeria. *Journal of Public and Allied Health Sciences* Vol.3/4(2):10pp

(g) Technical Reports and Monographs

75. Ramirez, A., **Olugasa, B. O.** and Bickett-Weddle, D. (2004). Geographic information systems and its role in biological risk management. In: *Biological Risk Management Manual*. Published by the Center for Food Security and Public Health (CFSPH), Iowa State University, Ames. 4 pp. (United States)
76. **Olugasa BO**, Spickler AR, Davis R, Bickett-Weddle D (2004). Heartwater: extension speaker notes and disease fact sheet for livestock specialists. Published by the *Center for Food Security and Public Health (CFSPH)*, Iowa State University, Ames Iowa. [www.cfsph.iastate.edu/DiseaseInfo/ppt/Heartwater.ppt](http://www.cfsph.iastate.edu/DiseaseInfo/ppt/Heartwater.ppt) (United States)
- \*77. **Olugasa, B. O.**, Cadmus, S. I. B., Oluwayelu, D. O., Emikpe, B. O., Ayinmode, A. B. (2016). Research and education in epizootiology to achieve more effective and efficient prevention and containment of endemic, emerging and neglected zoonoses in West Africa: Final report on improving postgraduate programmes for human-animal disease surveillance in West Africa. *A Technical Report Commissioned and Submitted to the John D. and Catherine T. MacArthur Foundation, Chicago, Illinois.* (United States)

(h) Published Abstracts/Summaries

- \*78. **Olugasa BO** and Fasunla JA (2017). The CCPZ rabies surveillance program: an inclusive learning model for addressing one-health educational challenge in West African sub-region. *PanAfrican Medical Journal Conference Proceedings* 5, 2. <https://www.proceedings.panafrican-med-journal.com/conference/2017/5/2/abstract>



- \*79. Jomah ND, Ishola OO and **Olugasa BO**, Fasunla JA (2018). Detection of dog bite cluster alarms and annual human deaths due to rabies in three selected cities of Liberia, 2008-2013. *PanAfrican Medical Journal Conference Proceedings* 10, 1. <https://www.proceedings.panafrican-med-journal.com/conference/2018/10/1/abstract>
- \*80. Olarinmoye AO, Ojo JF, Ishola OO, Ofoha C Amaike C, Aldosari AA and **Olugasa BO** (2018). Time series analysis of dog bite victims and hotspots of rabies exposure in Plateau State, Nigeria, 2011-2013. *PanAfrican Medical Journal Conference Proceedings* 10, 12. Available at <https://www.proceedings.panafrican-med-journal.com/conference/2018/10/12/abstract> (Uganda)
- \*81. Njoku O, Ojo J, Amakoh C, Mshelbwala P, Adegbite O, Bamiselu O, Esu I, Shinkafi I, Adeyemi B, Akeba E, Onatunde A, Druelles S, Sanni-Adeniyi O, Shorunke D, Fasunla A, **Olugasa B** and Ogunkoya A. (2018). Time series analysis of dog bite victims presented for treatment in Ogun State, Nigeria, 2013-2017: implications for annual human rabies exposure and mortality estimates. *PanAfrican Medical Journal Conference Proceedings* 10, 21. <https://www.proceedings.panafrican-med-journal.com/conference/2018/10/21/abstract> (Uganda)
- \*82. Amakoh C, Mshelbwala P, Njoku O, Adegbite O, Bamiselu O, Esu I, Shinkafi I, Adeyemi B, Onatunde A, Akeba E, Druelles S, Sanni-Adeniyi F, Shorunke D, Fasunla A, Olodun O, **Olugasa B** and Ogunkoya A (2018). Mapping of self-reported dog bite victims and spatial clusters of rabies exposure in Ogun State, Nigeria, 2013-2017: a CCPZ perspective for more effective one-health surveillance. *PanAfrican Medical Journal Conference Proceedings* 10, 20. <https://www.proceedings.panafrican-med-journal.com/conference/2018/10/20/abstract>

XI. Major Conferences/Workshops Attended with Papers Read (last 3 years)

1. 3rd International Conference on Rabies in West Africa (RIWA). Held at the College of Physicians and Surgeons, Accra, Ghana, 23-26 March, 2016.

**Paper Read:** Olarinmoye, A. O., Dakinah, F. B., Ishola, O. O. and **Olugasa, B. O.** Mapping of dog bite cluster alarms and hotspots of rabies in Monrovia, Liberia, 2010-2013.

2. 18th International Congress on Animal Hygiene, held by the International Society for Animal Hygiene (ISAH) at the Autonomous University of Sinaloa, Mazatlán, Sinaloa, Mexico, March 19-23, 2017.

**Paper Read:** Odigie, A., **Olugasa, B.** Lassa fever risk perception and one health considerations associated with rodent control practices in a Nigerian University.

3. 2nd Annual Scientific Conference and One-Health Stakeholders' Pre-conference Workshop of the Nigeria Centre for Disease Control/Nigeria Field Epidemiology and Laboratory Training Programme. Held at the Transcorp Hilton Hotel, Abuja, Nigeria, 05 - 07 July 2017.

**Papers Read:** (i) **Olugasa, B.** (i) Manpower training at the University of Ibadan Centre for Control and Prevention of Zoonoses: a one health model  
(ii) Adebudo, I. L., **Olugasa, B.**, Odigie, E., and Ajisegiri, S. Spatial and temporal analyses of highly pathogenic avian influenza H5N1 re-emergence in Nigeria, 2015.

4. 4th International Conference on Rabies in West Africa (RIWA). Held at Au Pole Scientifique et D'Innovation de l'Université Felix Houphoet, Bingerville, Abidjan, Cote d'Ivoire, 23-28 October, 2017.

**Paper Read:** Olarinmoye, A., Ishola, O. O., **Olugasa, B.** Genome extraction and confirmatory diagnosis of a clinical case of canine rabies with first report of rabies virus isolated in Liberia.

5. World Veterinary Day, 2018 organised by the Nigerian Veterinary Medical Association (NVMA), Oyo State Branch. Held at the Federal College of Animal Health and Production, Moore Plantation, Ibadan, Nigeria, 28 April, 2018.

**Paper Read:** **Olugasa, B.** Opportunities for Veterinary Clinical Practice in West Africa.

6. 5th International Conference on Rabies in West Africa (RIWA). Held at the Hotel Amitié, Bamako, Mali, 23-25 October, 2018.

**Paper Read:** Olarinmoye, A., Adeola, O., Jomah, N., Kamara, V., **Olugasa, B.** Evolution and transmission of rabies in post-conflict Liberia: a peep through the window of phylogenetics.

## XII. Ten Publications that Best Represent the Totality of My Contributions to Scholarship

1. Esuruoso, G. O., Ijagbone, I. F. and **Olugasa, B. O.** (2005). Introductory Epizootiology, 2<sup>nd</sup> edition. Published by VetAcademic Resource Publishers and Consultants, Ibadan, Nigeria. Printed by GLJ Press, Ibadan. 322 pages. ISBN 978-075-395-8
2. **Olugasa, B. O.** and Ijagbone, I. F. (2007). Pattern of spread of African swine fever in South-Western Nigeria, 1997-2005. *Veterinaria Italiana Vol. 43, No. 3: 621-628.*
3. Adeola, O. A., Adeniji, J. A. and **Olugasa, B. O.** (2009). Isolation of influenza A viruses from pigs in Ibadan, Nigeria. *Veterinaria Italiana Vol. 45, No. 3: 383-390.*
4. **Olugasa, B. O.**, Odeniyi, A. O., Adeogun, A. O. and Adeola, O. A. (2010). Antibody levels against rabies among occupationally exposed individuals in a Nigerian University. *Veterinarian Italiana Vol. 46, No.1: 21 - 28.*
5. **Olugasa, B. O.**, Aiyedun, J. O. and Emikpe, B. O. (2011). Prevalence of antibody against rabies among confined, free roaming and stray dogs in a transit city of Nigeria. *Veterinaria Italiana Vol. 47, No. 4: 453-460.*
6. **Olugasa, B. O.**, Dogba, J. B., Nykoi, J. D., Ogunro, B. N., Odigie, E. A., Ojo, J. F., Taiwo, T., Kamara, A., Mulbah, C. K. and Fasanla, A. (2014). The rubber plantation environment and Lassa fever epidemics in Liberia, 2008-2012: A spatial regression. *Spatial and Spatio-temporal Epidemiology Vol.11:163-174.*
7. **Olugasa, B. O.** (2014). The geospatial information infrastructure at the Centre for Control and Prevention of Zoonoses, University of Ibadan, Nigeria: an emerging sustainable one-health pavilion. *African Journal of Medicine and Medical Sciences Vol. 43, Supplement No.1:65-78.*
8. **Olugasa, B. O.**, Odigie, E. A., Lawani, M. and Ojo, J. F. (2015). Development of a time-trend model for analyzing and predicting case pattern of Lassa fever epidemics in Liberia, 2013-2017. *Annals of African Medicine Vol. 14, No.2:89-96.*
9. **Olugasa, B. O.**, Oshinowo, O. Y., Odigie, E. A. (2015). Preventive and social cost implications of Ebola Virus Disease (EVD) outbreak on selected organizations in Lagos State, Nigeria. *Pan African Medical Journal Vol. 22, Supplement No.1: 20.*
10. Adeola, O. A., **Olugasa, B. O.**, Emikpe, B. O. (2017). Molecular detection of influenza A(H1N1)pdm09 viruses with M genes from human pandemic strains among Nigerian pigs, 2013-2015: implications and associated risk factors. *Epidemiology and Infection, Volume 145(16): 3345-3360.* (United Kingdom).

## XII. Research Focus

My research is focused on veterinary epidemiology for public health practice. I identify bio-medical, spatio-temporal and socio-environmental drivers of animal and zoonotic diseases. I aimed at achieving more effective surveillance of diseases at the human-animal-environment interface, using the tools and techniques of veterinary epidemiology to inform early warning. This enables tactical control of disease using limited resources in Africa. My studies were aimed at detecting endemic, emerging and neglected animal or human-animal diseases; mapping their spatial distribution patterns, prevalence, and computing their time-trend models to improve services delivery, aiding forecasts for efficient control framework.

I integrated geographic information systems (GIS) and global positioning systems (GPS) tools into clinical case review of specific pathogens, with laboratory data on exposures to achieve and deploy a robust toolkit for one health data audit of specific-illnesses. This was used to harness public health project planning approach to epidemiological survey methods. This, included use of ELISA technique, virus gene isolation, molecular characterization, and phylogenetic analysis. The study designs were targeted at informing tactical veterinary extension delivery for sustainable public health promotion in West Africa. I have studied place-based clinical (individual) and public health (population) outcomes of animal diseases, including African swine fever, Foot-and-Mouth Disease, *Pest des Petits Ruminants*; and zoonotic diseases, including Ebola virus disease, Human and Swine Influenza, Lassa fever, and Rabies. I have quantified their prevalence, identified the socio-environmental drivers, and public health impacts. These provided information that linked animal and human health to their environment, in a way that could assist policy makers to set public health goals at city/town and district, levels.

These efforts yielded network of improved human-animal disease surveillance programme in West Africa, a co-reviewed postgraduate curriculum in epizootiology at the University of Ibadan that deployed GIS-GPS tools to convert clinical data from animal hospital, human hospital and diagnostic laboratories to map points, included data from field investigations and care-seeking preferences of victims. The concept won a major grant from the John D. and Catherine T. MacArthur Foundation Higher Education Initiative in Africa to establish the Centre for Control and Prevention of Zoonoses (CCPZ) at the Faculty of Veterinary Medicine, University of Ibadan, Nigeria. The emergence of CCPZ has intensified my use of One-Health data audit to model the spatio-temporal patterns and estimate annual human deaths from rabies, Lassa fever and influenza in selected cities of Liberia, Ghana and Nigeria. I provided epidemiological lead that isolated emerging influenza-A and rabies viruses with their nucleotides sequences accessioned in GenBank. The maps developed on these outbreaks were used for public health practice and to fill critical gaps in literature due to under-reporting of cases of these major neglected diseases. A Society for Epizootiology in West Africa and a Society for Rabies in West Africa (RIWA) were incorporated as One Health fora dedicated to Stepwise Actions toward Rabies Elimination in the sub-region.

Thus, my contributions towards public health knowledge and practice have been tactical; fostering One Health data audit, early detection of disease exposures, identifying their drivers, showing their pattern of spread, and predicting the outcome scenarios with scientific models. The One Health models are adaptable to other locations in West Africa and are useful for identifying potential sites of epidemics before a pathogen causes havoc. I delivered early warning about African swine fever, Swine influenza and Rabies epidemics. I facilitated logical public health actions for mitigating them in selected hotspots in West Africa.



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