

BOBWEALTH OAKINA OMONTESE, DVM MSc. Ph.D. FCVSN MPA

Department of Food and Animal Sciences
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EDUCATION

MPA. Public Affairs Leadership Humphrey School of Public Affairs University of Minnesota, Minneapolis-USA	December 2020
Post-doctoral Fellowship College of Food, Agricultural and Natural Resource Sciences (CFANS) Veterinary Population Medicine (VPM) University of Minnesota, Saint Paul, MN-USA. http://dairyknow.umn.edu/about/ https://www.gomezlabmicrobiomics.org/people	February 2020
Certificate Public Affairs Leadership (PAL) Humphrey School of Public Affairs University of Minnesota, Minneapolis-USA	December 2018
Post Graduate Residency Fellow of the College of Veterinary Surgeons (FCVSN) Veterinary Council of Nigeria, Abuja-Nigeria	November 2016
Certificate Public Management & Leadership Maxwell School of Citizenship Syracuse University, Syracuse New York-USA	August 2015
Ph.D. Theriogenology/Animal Reproduction	November 2015
MSc. Theriogenology/Animal Reproduction	September 2012
DVM Veterinary Medicine College of Veterinary Medicine Ahmadu Bello University, Zaria-Nigeria	December 2009

WORK EXPERIENCE (Teaching/Research/Service)

Department of Food and Animal Sciences/Agriculture, Life and Natural Sciences Alabama A&M University, Normal, AL Position Held: Assistant Professor (Tenure Track) FAS – 112: Introduction to Animal Bio-Health Science	March 2020 -
<ul style="list-style-type: none"> • Prepared instructional materials including PowerPoint presentations and handouts for the course 	

- Design and evaluate large animal health, reproduction, growth performance, behavior, and welfare at the Winifred Thomas Agricultural Research Station

FAS – 424: Animal Models in Biomedical Research

- Prepared instructional materials including PowerPoint presentations and handouts for the course
- Administered and graded examinations/assignments and advised students
- Design and evaluate large animal health, reproduction, growth performance, behavior, and welfare at the Winifred Thomas Agricultural Research Station

FAS – 259: Companion Animal Management Course

- Prepared instructional materials including PowerPoint presentations and handouts for the course
- Administered and graded examinations and assignments.
- Design and evaluate large animal health, reproduction, growth performance, behavior, and welfare at the Winifred Thomas Agricultural Research Station

FAS – 351: Nutrition and Metabolism Course

- Prepared instructional materials including PowerPoint presentations and handouts for the course
- Administered and graded examinations/assignments and advised students
- Design and evaluate large animal health, reproduction, growth performance, behavior, and welfare at the Winifred Thomas Agricultural Research Station

Department of Food and Animal Sciences/Agriculture, Life and Natural Sciences September 2020 -
Alabama A&M University, Normal, AL

Position Held: Coordinator: Pre-Vet Club

- Initiate club activities and election of pioneer officials
- Organize and coordinate monthly meetings
- Increase student networking opportunities with industry and research institutions
- Organize relevant site visits and provide hands-on learning opportunities.

Department of Animal Science/Veterinary Population Medicine April 2016 - February 2020
University of Minnesota, Saint Paul, MN

Position Held: Post-doctoral Associate

- Collaborate with faculty and researchers throughout the college on animal reproduction, health, nutrition and welfare research.
- Support animal microbiome research and advise on laboratory activities including sample DNA extraction, sequencing, data management and analysis.
- Manage beef cattle backgrounding nutritional trials and evaluate live animal growth performance, behavior, health and welfare at the University of Minnesota beef cattle outreach station.
- Implement estrus synchronization protocols and perform routine weekly pregnancy diagnosis using ultrasound at the University of Minnesota cattle farm.
- Diagnose hoof lesions and recommend best management strategies for lactating dairy cattle.
- Contribute to training graduate and undergraduate students, analyze research results, write papers/grants, and present at scientific conferences.

National Animal Production Research Institute
Ahmadu Bello University, Zaria, Nigeria

May 2012 - April 2016

Position Held: Lecturer/Research Fellow

- Taught undergraduate course topics in animal reproduction, Theriogenology I and II,
- Co-advise final year DVM and Theriogenology students.
- Perform estrus synchronization of cows, sheep and goats using progestogens and prostaglandins.
- Pregnancy diagnosis by rectal palpation and ultrasonography.
- Resident Clinician (Theriogenology), NAPRI Clinic.

Ebonyi State Veterinary Clinic

June 2010 – May 2011

Ministry of Agriculture, Ebonyi, Nigeria

Position Held: Resident Corp Veterinarian

- Engaged in livestock disease diagnosis and management.
- Performed Routine vaccination of livestock.
- Facilitated livestock extension services to rural community farmers.
- Lead animal welfare initiative of the clinic.

PROFESSIONAL ASSOCIATIONS

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| • North American Colleges and Teachers of Agriculture (NACTA) | 2018 - present |
| • American Association of Bovine Practitioners (AABP) | 2017 - present |
| • Dairy Cattle Reproduction Council (DCRC) | 2017 - present |
| • American Dairy Science Association (ADSA) | 2016 - present |
| • Postdoctoral Association, University of Minnesota (PDA, UMN) | 2016 - present |

DISSERTATION/THESIS/PROJECT

- Fertility of *Bos indicus* and *Bos taurus* x *Bos indicus* cows inseminated at synchronized estrus following prostaglandin treatment in the sub-humid tropics. (*FCVSN thesis*)
- Influence of buck exposure and progestagen treatments on reproductive responses in goats. (*Ph.D. dissertation*)
- Estrus synchronization in Red Sokoto and Sahel goats using progestagens and gonadotrophin. (*MSc. thesis*)
- Synchronization of estrus using EAZI-BREED™CIDR® and FGA-30® vaginal sponges in Red Sokoto does and Yankasa ewes. (*DVM project*)

FUNDING

Active: Principal Investigator

- Strategies for minimizing stress and improving performance of beef cattle. A USDA funded proposal.

Submitted: Principal Investigator or Co-PI

- Student Engagement in Global Food and Nutritional Security (SEGFNS). An 1890 CEIED Global Food and Nutritional Security Initiative – July 2020

- Strategies for minimizing stress and improving reproductive performance of grass-fed beef cattle - 2020. An Evans Allen Grant proposal.

Previous Support: Principal Investigator or Co-I

- Effect of different backgrounding systems on fecal microbiome changes and rumination behavior of beef calves by Megan Webb (PI), Andres Gomez (PI) and **Bobwealth Omontese** (Co-I).
- Early microbiome establishment in beef production systems and Host - Microbe Interactions in dairy cattle systems by Andres Gomez (PI), **Bobwealth O. Omontese** (Co-I) and Megan Webb (Co-I).
- Effect of different backgrounding systems on growth, carcass characteristics and rumen microbiome changes of beef calves by Megan Webb (PI), Andres Gomez (PI) and **Bobwealth Omontese** (Co-I).
- Effects of the administration of a bovine non-specific immune stimulant around transportation on health and performance of Jersey and Jersey-cross heifer calves in the first 60 days of life by V. S. Machado (CO-PI), L. S. Caixeta (PI) and **Omontese, B.O** (Co-I).

Grants not awarded: Principal Investigator or Co-I

- Use of Super SmartFeed system to reduce weaning stress of grass-fed Angus calves supplemented with Hemp (*Cannabis sativa*) - 2020. A C.Lock Equipment Grant proposal.
- Livestock readiness planner Phase II: Addition of individual cattle management record keeping with preventative animal disease methods using a mobile biosecurity planner in Iowa, by Megan Webb (PI), Danielle Bickett-Weddle (PI), Marie Culhane (Co-I), Timothy Goldsmith (Co-I), Shaun Kennedy (Co-I) and **Bobwealth Omontese** (Co-I). Iowa Beef Industry Council (IBIC) research proposal, Submitted 02/2019. 09/2019 – 08/2020; \$160, 147.
- Use of milk progesterone information to identify anovular cows and predict reproductive performance in lactating Holstein cows subjected to timed AI by **Bobwealth O. Omontese** (Co-I) and Rafael S. Bisinotto (PI). Select Sires competitive research grants program – \$9,946.
- Application of milk progesterone information to optimize fertility of lactating cows subjected to first postpartum timed AI. by **Bobwealth O. Omontese** (PI) and Rafael S. Bisinotto (Co-I). American Association of Bovine Practitioners foundation competitive research grants program 2018 – Submitted. 07/2018 – 06/2019; \$15,098.

Grants awarded: Principal Investigator or Co-I



- Use of milk progesterone information to improve reproductive performance in dairy cows subjected to timed-AI programs by Rafael S. Bisinotto (PI) and **Bobwealth O. Omontese** (Co-I). \$5,508. Completed.
- Relationship between early lactation hoof lesions and behavior, inflammatory mediators, and reproductive performance in dairy cows by Rafael Bisinotto (PI), Gerard Cramer (Co-PI), **Bobwealth Omontese** (Co-I) and Erin Wynands (Co-I). 12/2016 – 12/2019; \$179, 761.

PUBLICATIONS: In preparation/submitted

1. **B. O. Omontese**, J. A. Langlie, E. M. Mousel, D. M. Braaten, A. Gomez, A. DiCostanzo, and M. J. Webb. Influence of backgrounding systems on beef cattle growth and performance. *Preparation for submission to Journal of Translational Animal Science*.
2. **B. O. Omontese**, A. K. Sharma, A. DiCostanzo, M. J. Webb, and A. Gomez. Influence of backgrounding systems on rumen microbiome dynamics of beef cattle. *Preparation for submission to Animal Microbiome Journal*.
3. **Omontese, B.O.**, R. S. Bisinotto, G. Cramer. (2020). Relationship between hoof lesions and culling of lactating Jersey cows. *Preparation for submission to Journal of Dairy Science*.

PUBLICATIONS: Peer reviewed

1. **Omontese, B.O.**, R. S. Bisinotto, G. Cramer. (2020). Relationship between activity and hoof lesions of lactating Jersey cows. *J. Dairy Sci.*, 103(11):10494-10505
2. **Omontese, B.O.**, R. Bellet-Elias, A. Molinero, G. D. Catandi, R. Casagrande, Z. Rodriguez, R. S. Bisinotto, G. Cramer. (2020). Association between hoof lesions and fertility of lactating Jersey cows. *J. Dairy Sci.*, 103(4):3401 – 3413.
3. **Omontese, B.O.**, G.C. Gomes, A.R. Santos, L.G. Silva, V.R. Merenda, R.S. Bisinotto. (2020). Use of milk progesterone information to predict fertility outcomes in dairy cows subjected to the 5-d timed AI program. *J. Dairy Sci.*, 103(7):6600-6011.
4. **B.O. Omontese**, A.B. Adewuyi, P.I. Rekwot, A.I. Nwannenna and J.S. Rwuaan. (2017). The effect of ascorbic acid on conception rate of Yankasa ewes after oestrus synchronization. *Revue d'élevage et de médecine vétérinaire des pays tropicaux*. 70 (1): 9-12.
5. Samuel, F.U., Chiezey, N.P., Bello, T.K., Maikaji, F.S., Ibrahim, M., Ereke, S.O., **Omontese, B.O.**, Ahmed, H.A., Salisu, M.D., Alao, R., and Umar, M.S. (2017). Changes in hematological parameters following oestrus synchronization using Fluorogestone Acetate (FGA) intravaginal sponge in Red Sokoto does. *J. of Anim. Prod. Res.* 29(1): 83-87.
6. **B.O. Omontese**, P.I. Rekwot, J.O. Ayo, A.I. Nwannenna, I.U. Ate. (2016). Serum progesterone profiles of Sahel does treated with progestagens with or without exposure to buck effect. *J. of Anim. Prod. Res.*, 28 (2): 118-125.
7. **B.O. Omontese**, Rekwot, P.I., Ate, I.U., Ayo, J.O., Kawu, M.U., Rwuaan, J.S., Nwannenna, A.I., Mustapha, R.A. and Bello, A.A. (2016). An update on oestrus synchronisation of goats in Nigeria. *Asian Pacific J. of Reprod.*, 5(2): 96–101.
8. **B.O. Omontese**, Adewuyi, Rekwot, P.I., Nwannenna, A.I. and Echekwu, W.O. (2015). Effects of oxytocin on fertility of Red Sokoto goats treated with prostaglandin F_{2α}. *West Afr. J. Pharmacological Drug Res.* 30: 28-31.

9. Egbodo, B., Ate, I.U., **Omontese, B.O.**, Oke, P.O., Samuel, F.U., Bello, T.K. and Hassan, R. (2015). Ovarian activities in Bunaji cows slaughtered during the dry season at the Zaria abattoir, Kaduna state. *J. of Anim. Prod. Res.*, 27(1): 36-42.
10. **Omontese, B.O.**, Rekwot P.I., Rwuaan J.S., Ate, I.U. and Makun, H.J. (2014). Induction of oestrus in Nigerian Ouda ewes with different oestrus synchrony protocols. *Revue Méd. Vét.*, 165 (7-8): 240-244.
11. **Omontese B.**, Rekwot P., Rwuaan J. and Nwannenna A. (2014). Comparison of short-term vs. long-term progestin treatments for synchronisation of oestrus in Red Sokoto does during the rainy season. *Basic Clin. Pharm. and Toxicology*, 115 (1): 370.
12. **Omontese, B.O.**, Rekwot, P.I., Ate, I.U., Makun, H.J. and Rwuaan, J.S. (2013). Oestrus behaviour and conception rates of Red Sokoto goats following treatment with equine chorionic gonadotrophin and prostaglandin F_{2α}. *Nigerian Vet. J.*, 34(4): 906-911.
13. Yusuf, A., **Omontese, B.O.** and Rekwot, P.I. (2013). Fetal hydrocephalus associated with dystocia in a Yankasa ewe: A case report. *Nigerian Vet. J.*, 34(3): 805-807.
14. **Omontese, B.O.**, Rekwot, P.I., Rwuaan, J.S., Ate, I.U. and Makun, H.J. (2013). Comparative estrus induction in indigenous Sahel goats using two progestagens (CIDR and FGA) and eCG. *Livestock Res. for Rural Dev.*, 25 (04): Article #066. Retrieved  from <http://www.lrrd.org/lrrd25/4/omon25066.htm>
15. **Omontese, B.O.**, Rekwot, P.I., Makun, H.J., Ate, I.U., Rwuaan, J.S. and Kawu, M.U. (2013). Oestrus induction using fluorogestone acetate sponges and equine chorionic gonadotrophin in Red Sokoto goats. *South Afr. J. of Anim. Sci.*, 43 (1): 68-73.
16. **Omontese, B.O.**, Rekwot, P.I., Ate, I.U., Rwuaan, J.S. and Makun, H.J. (2013). Oestrus synchronization using two intravaginal progestagens (FGA and CIDR) for eCG-estrus induction in indigenous Red Sokoto goats during the cold dry season. *Albanian J. Agric. Sci.*, 12 (2): 209-213.
17. **Omontese, B.O.**, Rekwot, P.I., Rwuaan, J.S., Ate, I.U. and Makun, H.J. (2013). Effect of prostaglandin and equine chorionic gonadotrophin on estrus behaviour of Sahel goats during the harmattan season. *Livestock Res. for Rural Dev.*, 25 (2): Article #031. Retrieved  from <http://www.lrrd.org/lrrd25/2/omon25031.htm>
18. **Omontese, B.O.**, Rekwot, P.I., Makun, H.J., Ate, I.U. and Rwuaan, J.S. (2012). Induction of estrus in Sahel goats using Fluorogestone acetate (FGA) sponges and equine chorionic gonadotrophin (eCG). *Sokoto. J. of Vet. Sci.*, 10 (2): 21-25.
19. Rwuaan, J.S., Rekwot, P.I., **Omontese, B.O.** (2012). Effect of a velogenic Newcastle disease virus on body and organ weights of vaccinated Shika brown cocks. *Sokoto J. of Vet. Sci.*, 10(2): 7-12.

20. Dare, A., Rekwot, P., Aliu, Y., Mamman, M., Obidi, J., **Omontese, B.**, and Rwuaan, J. (2010). Effect of season and progesterone releasing intravaginal device alone or with Pregnant Mare's Serum Gonadotropin of fertility rates of Bunaji cows. *Res. J. of Dairy Sci.*, 4(1): 1-5.
21. **Omontese, B.O.**, Rekwot, P.I., Makun, H.J., Obidi, J.A., Rwuaan, J.S. and Chiezey, N.P. (2010). Evaluation of EAZI Breed TM CIDR and FGA-30. Intra vaginal sponge as Estrus Synchronizing Agents in Pre-Partum Red Sokoto does, *Vet. Res.*, 3(3): 64-69.
22. **Omontese, B.O.**, Rekwot, P.I., Makun, H.J., Obidi, J.A., Rwuaan, J.S. and Chiezey, N.P. (2010). Synchronization of estrus using EAZI-Breed CIDR and F7A-30. Intravaginal sponge in pre-partum Yankasa ewes. *Res. J. of Anim. Sci.*, 4(1): 53-57.

CONFERENCE PRESENTATIONS: Peer reviewed

1. **B.O. Omontese**, A.K. Sharma, E. Jacobson, S. Davidson, J. Langlie, J. Armstrong, A. DiCostanzo, M. Webb and A. Gomez. Rumen microbiome of beef cattle is modulated by backgrounding systems. A paper accepted for presentation at the 2020 ADSA ASAS Midwest meeting to be held on March 2-4 2020, Omaha-Nebraska.
2. **B.O. Omontese**, J. Langlie, J. Armstrong, E. Mousel, D. Braaten, A. Gomez, A. Dicostanzo, and M. J. Webb. Influence of backgrounding systems on cattle growth and performance. A paper accepted for presentation at the 2020 ADSA ASAS Midwest meeting to be held on March 2-4 2020, Omaha-Nebraska.
3. J. Langlie, **B. Omontese**, A. DiCostanzo, R. Cox, and M. Webb. Effects of Alternative Beef Backgrounding Systems on Cattle Performance and Carcass Characteristics. A paper presented at the 80th Minnesota Nutrition Conference held on September 18-19, 2019 at Mankato Civic Center in Mankato, MN.
4. **Omontese, B.O.**, M. L. Celestino, P. Menta, D. Paiva, A. Garcia-Muñoz, A. Masic, V. S. Machado, L. S. Caixeta. 2019. Effects of the administration of a bovine non-specific immune stimulant around transportation on health and performance of Jersey and Jersey-cross heifer calves in the first 60 days of life. A paper to be presented at the 14th Annual Conference of the Western Organic Dairy Producers Alliance in Spark, Nevada 19th – 21th November, 2019.
5. **Omontese, B.O.**, M. L. Celestino, P. Menta, D. Paiva, A. Garcia-Muñoz, A. Masic, V. S. Machado, L. S. Caixeta. 2019. Effects of the administration of a bovine non-specific immune stimulant around transportation on health and performance of Jersey and Jersey-cross heifer calves in the first 60 days of life. A paper to be presented at the 2019 American Association of Bovine Practitioners (AABP) in St Louis, Missouri from 11th - 13th September, 2019.
6. **Omontese, B.O.**, R. Bellet-Elias, A. Molinero, G. D. Catandi, R. Casagrande, Z. Rodriguez, R. S. Bisinotto, G. Cramer. (2019). Association between lying behavior and hoof lesions in lactating

dairy cows. A paper presented at the 2019 American Dairy Science Association Conference (ADSA) held in Cincinnati, Ohio from 23th to 26th June, 2019.

7. **Omontese**, B.O., R. Bellet-Elias, A. Molinero, G. D. Catandi, R. Casagrande, Z. Rodriguez, R. S. Bisinotto, G. Cramer. (2019). Association between hoof lesions and milk production in lactating dairy cows. A paper presented at the 2019 American Dairy Science Association Conference (ADSA) held in Cincinnati, Ohio from 23th to 26th June, 2019.
8. **Omontese**, B.O., M. Celestino, D. Paiva, A. Munoz, V. Machado., L. Caixeta. (2019). Effects of a bovine non-specific immune stimulant on health of Jersey and Jersey-cross heifer calves in the first month of life. A paper presented at the 2019 American Dairy Science Association Conference (ADSA) held in Cincinnati, Ohio from 23th to 26th June, 2019.
9. **Omontese**, B.O., R. Bellet-Elias, A. Molinero, G. D. Catandi, R. Casagrande, Z. Rodriguez, R. S. Bisinotto, G. Cramer. (2019). Association between hoof lesions and fertility of lactating dairy cows. A paper presented at the 2019 20th International Symposium and 12th International Conference on Lameness in Ruminants held on March 10th to 14th 2019 in Tokyo, Japan.
10. **Omontese**, B.O., R. Bellet-Elias, A. Molinero, G. D. Catandi, R. Casagrande, Z. Rodriguez, R. S. Bisinotto, G. Cramer. (2019). Association between lying behavior and hoof lesions in lactating dairy cows. A paper presented at the 2019 20th International Symposium and 12th International Conference on Lameness in Ruminants held on March 10th to 14th 2019 in Tokyo, Japan.
11. **Omontese**, B.O., R. Bellet-Elias, A. Molinero, G. D. Catandi, R. Casagrande, Z. Rodriguez, R. S. Bisinotto, G. Cramer. (2019). Association between hoof lesions and milk production in lactating dairy cows. A paper presented at the 2019 20th International Symposium and 12th International Conference on Lameness in Ruminants held on March 10th to 14th 2019 in Tokyo, Japan.
12. **Omontese**, B.O., R. Bellet-Elias, A. Molinero, G. D. Catandi, R. Casagrande, Z. Rodriguez, R. S. Bisinotto, G. Cramer. (2018). Association between hoof lesions and fertility of lactating dairy cows. A paper presented at the 2018 American Association of Bovine Practitioners (AABP) held in Phoenix Arizona from 13th to 15th September, 2018.
13. **Omontese**, B.O., R. Bellet-Elias, A. Molinero, G. D. Catandi, R. Casagrande, Z. Rodriguez, R. S. Bisinotto, G. Cramer. (2018). Association between hoof lesions and fertility of lactating dairy cows. A paper presented at the Minnesota Dairy Health Conference, Continuing Education Centre, Saint Paul, MN, April, 2018.
14. **Omontese**, B.O., R. Bellet-Elias, A. Molinero, G. D. Catandi, R. Casagrande, Z. Rodriguez, R. S. Bisinotto, G. Cramer. (2018). Association between hoof lesions and fertility of lactating dairy cows. A paper presented at the 2018 American Dairy Science Association Conference (ADSA) held in Knoxville, Tennessee from 25th to 28th June, 2018.
15. **Omontese**, B.O., R. Bellet-Elias, A. Molinero, G. D. Catandi, R. Casagrande, Z. Rodriguez, R. S. Bisinotto, G. Cramer. (2018). Association between hoof lesions and culling of lactating dairy

cows. A paper presented at the 2018 American Dairy Science Association Conference (ADSA) held in Knoxville, Tennessee from 25th to 28th June, 2018.

16. **Omontese, B.O.**, Santos, A.R., Silva, L.G., Merenda, V.R., and Bisinotto, R.S. (2017). Use of milk progesterone (P4) data to predict non-pregnancy in dairy. A paper presented at the 2017 American Dairy Science Association Conference (ADSA) held in Pittsburgh, Pennsylvania from 25th to 28th June, 2017.
17. **Omontese, B.O.**, J. Hammes, A.R. Santos, L.G. Silva, and R.S. Bisinotto (2017). Reproductive performance in first lactation Holstein cows according to genetic merit for daughter pregnancy rate. A paper presented at the Minnesota Dairy Health Conference, Continuing Education Centre, Saint Paul, MN.
18. Jordan Sanford, **Bobwealth Omontese**, Roger Bellet, Grant Stoddard, Rafael Bisinotto and Gerard Cramer. Prevalence of early lactation hoof lesions and its association with reproductive performance of dairy cows. (2017). A paper presented at the 2016 DVM summer research seminar series.
19. Hammes, J., **Omontese, B.O.**, Silva, L.G., Vilela A. and Bisinotto, R.S. (2016). Reproductive performance according to genetic merit for fertility and strategies to improve insemination rates in anovular dairy cows. A paper presented at the 2016 DVM summer research seminar series.
20. **Omontese, B.O.**, Adewuyi, A.B., Haruna, M.J., Abubakar, Y.U., Rekwot, P.I. and Voh (Jr), A.A. (2015). Oestrus response of Bunaji (*Bos indicus*) and Friesian x Bunaji (*Bos taurus* x *Bos indicus*) cows treated with cloprostenol. A paper presented at the 52nd Annual Congress of the Nigerian Veterinary Medical Association titled “Providing Holistic Solutions to the Staggering Nigerian Economy: Challenges and Opportunities for Veterinarians” held at the Dr. Obi Wali International Centre, Port Harcourt, from the 16th – 20th November, 2015.
21. **Omontese, B.O.**, Rekwot, P.I., Ayo, J.O., Nwannenna, A.I., Ate, I.U., Adewuyi, A.B., Haruna, H.J. and Abubakar, Y.U. (2015). Effect of buck stimulus and season on oestrus response and fertility of progesterone treated Sahel goats. A paper presented at the 52nd Annual Congress of the Nigerian Veterinary Medical Association titled “Providing Holistic Solutions to the Staggering Nigerian Economy: Challenges and Opportunities for Veterinarians” held at the Dr. Obi Wali International Centre, Port Harcourt, from the 16th – 20th November, 2015.
22. **Omontese, B.O.**, Mosimabale, P.M., Rwuaan, J.S., Adewuyi, A.B., Haruna, M.J., Abubakar, Y.U., Rekwot, P.I. and Voh, A.A. (2015). Seasonal changes in ejaculate characteristics of bulls in an AI center in Nigeria. A paper presented at the 52nd Annual Congress of the Nigerian Veterinary Medical Association titled “Providing Holistic Solutions to the Staggering Nigerian Economy: Challenges and Opportunities for Veterinarians” held at the Dr. Obi Wali International Centre, Port Harcourt, from the 16th – 20th November, 2015.

23. Adeyeye, A.A., Ate, I.U, Lawal, A.I., Adamu, S. and **Omontese, B.O.** (2015). Attempted termination of pregnancy in a Nigerian breed of sheep: Report of 3 cases. A paper presented at the 6th Pan Commonwealth Veterinary Conference of the CVA and the 27th Congress of the Veterinary Association of Malaysia (PCVC6 and 27VAM) titled “Providing Holistic Solutions to Changing Global Challenges: Threats and Opportunities for Veterinarians” held at Hotel Royale Chulan, Kuala Lumpur, Malaysia, from 23rd – 27th March, 2015.
24. **Omontese, B.O.**, Adewuyi, A.B., Rekwot, P.I., Ayo, J.O., Ate, I.U., Nwannenna, A.I. (2014). Influence of continuous buck exposure during progestagen treatment and season on oestrus behaviour and fertility of goats in the tropics. A paper presented at the 51TH Annual Congress of the Nigerian Veterinary Medical Association (NVMA); KADA 2014 titled “The Veterinarian in National Development”, held at the Umaru Musa Yaradua Indoor Sports Centre, Murtala Mohammed Square, from the 24th – 28th of November in Kaduna.

BOOK CHAPTERS

1. **Omontese, B.O.** and Mustapha, R.A. (2017). Palpable features of the ovary during the different phases of the estrous cycle. **In:** Handbook of Bovine Rectal Palpation with Some Notes on the Mare, (ISBN 978-032-686-3), Stirling-Horden Publishers Ltd.
2. **Omontese, B.O.** (2018). Estrus synchronization and artificial insemination in goats. Goat Science. (ISBN 978-953-51-5495-2), IntechOpen publishers. The book chapter has received over 1000 downloads to date.

MANUSCRIPT REVIEWER

- Reproduction in Domestic Animals
- Journal of Infection in Developing Countries
- Nigerian Journal of Animal Production Research
- Nigerian Veterinary Journal
- Sokoto Journal of Veterinary Medicine

TEACHING/INSTRUCTOR/SUPERVISION EXPERIENCE

- Theriogenology I & II
- Animal health management
- Veterinary obstetrics & gynecology
- Reproductive physiology & artificial insemination in cattle
- Bovine reproductive ultrasonography
- Infertility in domestic animals

PUBLIC LECTURES/SPEECHES

- Everyday Scientists, Minnesota, 2018. Link: <https://www.youtube.com/watch?v=2-i5Ct8kYgc>
- Guest speaker at the Osher Lifelong Institute (OLLI), McNamara Alumni Center, University of Minnesota, 2018. Presentation was tagged “**Nigeria- Heart of Africa**”!

- Minnesota March for Science 2017 at the capitol tagged “**Science-investment for our future**”. Link: <https://www.youtube.com/watch?v=V99mRd1ZibQ&t=74s>
- Guest speaker at the Osher Lifelong Institute (OLLI), McNamara Alumni Center, University of Minnesota, 2017. Presentation was tagged “**Nigeria is rising: against all odds!**”
- Guest welcome speech titled “**Africa and her youths**” at the residence of the President of the University of Minnesota, Mr. Eric Kaler, June 29, 2016 to welcome the 2016 Mandela Washington Fellows.

LEADERSHIP/VOLUNTEERING/COMMUNITY SERVICE

- USDA – NIFA Review Panel (Fall 2020)
- Volunteer for Science Education, **North High School**, North Minneapolis, Minnesota, 2019.
- Postdoctoral Volunteer, Minnesota March for Science, Year 2017 and 2018.
- Vice President Postdoctoral Association of the University of Minnesota, 2016-2017.
- Reproductive management of dairy cows at the Saint Paul Dairy, University of Minnesota, 2016 – 2020.
- **Research Volunteer, National Animal Production Research Institute, Ahmadu Bello University.** Helping to design research proposals geared at addressing livestock reproductive problems, supported departmental professors in supervising final year students research in the field, supported in sample collection, transport and analysis using laboratory techniques such as ELISA, RIA, e.t.c, Helping the Assistant Director of Research in collating, organizing and storage of research data.
- **Research Volunteer/assistant, Department of Theriogenology and Production, Faculty of Veterinary Medicine, Ahmadu Bello University.** Supported departmental professors in lecturing, administering tests and marking of student scripts, supported final year students in developing and conducting researches at the National Animal Production Research Institute, Organized tutorials for students doing Theriogenology courses.
- **Biology, Agricultural Science and Physics Teacher, Blessed International School (March, 2000 - May, 2002).** Assisting students in preparing for Biology, Agricultural Science and Physics in the senior school certificate and entrance examinations into tertiary institutions.
- High school mentorship program for STEM field, Blessed International College, Nigeria.
- Academic advising, Ahmadu Bello University, Zaria.

EXTRACURRICULAR ACTIVITIES

- Youth and high school student mentoring
- Table tennis and running
- Public/motivational speaking

AWARDS/HONORS

- North High School Volunteer Certificate, 2019.
- Humphrey School of Public Affairs Leadership Certificate, 2019.
- Post-Doctoral Associate Volunteer Certificate, 2017.
- Maxwell School of Citizenship and Public Affairs Certificate of Leadership, 2015.

- Recipient of the Gary deCramer and Oberstar MN Forest Fellowship, \$10,000 dollars.
- Best 3 Clinical Conference Presentation, Faculty of Veterinary Medicine, Ahmadu Bello University, February 2010, Zaria, Nigeria.
- Best clinical conference presentation (2008/2009 academic session)

SKILLS

- **Languages:** English (Native), Hausa (Excellent), Ishan (Good), Spanish (learner)
- **Computer:** Statistical Softwares (GraphPad Prism 5, InStat, Stata and SAS), Experience with Windows 2000/2003/2007, Windows XP, Windows Vista, Microsoft Office Applications (Word, PowerPoint, Excel), Software Maintenance, Social Media (Facebook, Twitter, Google), Online Storage (Dropbox, SkyDrive, GoogleDrive).

REFEREES (Academic/Professional)

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