Prof. Raphael Deladem Folitse

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PROFILE

Associate Professor of Infectious Diseases

School of Veterinary Medicine

College of Health Sciences

Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

RESEARCH

Interests	Infectious diseases · Poultry Medicine · Virology · Immunology · Veterinary Medicine
Areas	Infectious Diseases · Animal Science and Zoology · Agronomy and Crop Science · Epidemiology · Small Animals · Public Health, Environmental and Occupational Health

RESEARCH SUMMARY

72	546	14	19	1.03	8%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 72 publications listed below, 1997–2026. Field-weighted impact is the mean over the 39 works scored for it; 1.00 is the world average for works of the same field, type and year. 3 of the 39 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Associate Professor 2009–present
School of Veterinary Medicine, Department of Veterinary Pathobiology, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

PUBLICATIONS

Journal articles 69

1. Jemima Dzigbordi Agbota, **Raphael Deladem Folitse**, Emmanuel Darko Opoku, Dorcas Oyueley Kodie, William Tasiame, Benjamin Obukowho Emikpe (2026). Clinical factors, service type, and clinical outcomes associated with canine parvovirus in dogs presented at the KNUST Veterinary Teaching Hospital in Kumasi, Ghana. *Companion Animal Health and Genetics*. https://doi.org/10.1186/s40575-026-00153-6
2. Esther Amemor, **Raphael Deladem Folitse**, Olufemi Oladayo Faleke, Achim Hoerauf, Marijo Parcina, Manuel Ritter, Vitus Burimuah, Benjamin Obukowho Emikpe (2026). Cross-sectional serological evidence of Brucella spp. exposure in dogs and occupationally exposed humans in Ghana: implications for a one health approach. *BMC Veterinary Research*. https://doi.org/10.1186/s12917-026-05919-5
3. Benjamin Obukowho Emikpe, Jude Dzevela Kong, Dickson Shey Nsagha, Sodiya Adesina, Gelan Ayana, David Niyukuri, Elia Badjo, **Raphael Deladem Folitse**, Abdul Rahman Yakubu, Prince Nana Takyi, Sampson Yeboah, Sunday Ochonu Ochai, Ziekah Yiryele Meyir, Kafui Kwasi Dzasi (2026). Cultural practices, wildlife trade dynamics, and climate-migration interactions: an integrated one health approach to reducing zoonotic spillover risks in Africa. *Frontiers in Veterinary Science*. https://doi.org/10.3389/fvets.2026.1900536

4. Fiona Nana Yaa Mensah, Benjamin Obukowho Emikpe, **Raphael Deladem Folitse**, Theophilus Odoom, Albert Agyapong Tweneboah, Kofi Sarpong (2026). Detection of Avian Influenza Virus H5 and H9 Subtypes in Rural Live Bird Markets at High-Risk Border Areas in Ghana: Implications for Integrated Surveillance. *Media Kedokteran Hewan*. https://doi.org/10.20473/mkh.v37i2.2026.155-168

5. Abass Abdulai, Benjamin Obukowho Emikpe, **Raphael Deladem Folitse** (2026). Isolation and identification of Pasteurella species and other bacterial organisms from ovine pneumonic lungs and their antimicrobial susceptibility in Ghana: abattoir-based study. *Frontiers in Veterinary Science*. https://doi.org/10.3389/fvets.2026.1834690

6. Augustine Teye, Bismark Gyasi, Albright Stephen Effah Ameyaw, Tony Opoku-Agyemang, **Raphael Deladem Folitse**, Prince Nana Takyi, Alisa Elise Wepere Luguterah, Benjamin Obukowho Emikpe (2026). Knowledge, attitudes, and practices on injection site complications among small ruminant animal health providers in Kumasi, Ghana. *BMC Veterinary Research*. https://doi.org/10.1186/s12917-026-05647-w

7. Derrick Adu Asare, BO Emikpe, **RD Folitse** (2026). Market characteristics, trading and biosecurity practices of some selected border rural live-birds markets in Ghana: implication for avian transboundary disease dissemination. *PAMJ-One Health*. https://www.one-health.panafrican-med-journal.com/content/article/19/13/full/

8. Anokye Samuel, Jalloh Mohammed Nassiru, Yembeh Papajo Koroma, William Tasiame, **Raphael Deladem Folitse**, Abdul Rahman Yakubu, Prince Nana Takyi, Sampson Yeboah, Derrick Adu Asare, Benjamin Obukowho Emikpe (2026). Patterns of Antibiotic Use Among Poultry Farm Cases in Kumasi, Ghana. *Media Kedokteran Hewan*. https://doi.org/10.20473/mkh.v37i3.2026.379-397

9. Esther Amemor, **Raphael Deladem Folitse**, Achim Hoerauf, Marijo Parcina, Manuel Ritter, Vitus Burimuah, Bertha Asuamah Yeboah, Benjamin Obukowho Emikpe (2026). SARS-CoV-2 infection in dogs, dog owners, dog breeders, and veterinarians in the Ashanti and Greater Accra regions of Ghana—zoonotic implications. *Frontiers in Veterinary Science*. https://doi.org/10.3389/fvets.2026.1897559

10. BO Emikpe, DA Asare, **RD Folitse** (2026). Strengthening One Health in West Africa: need for collaboration and exchange opportunities among veterinary schools. *PAMJ-One Health*. https://www.one-health.panafrican-med-journal.com/content/article/20/2/full/

11. Emmanuel Darko Opoku, **Raphael Deladem Folitse**, Dorcas Oyueley Kodie, Jemima Dzigbordi Agbota, Amemor Esther, William Tasiame, Benjamin Obukowho Emikpe (2026). Survival patterns and prognostic factors associated with canine parvovirus infection in dogs presented at the KNUST Veterinary Teaching Hospital in Kumasi, Ghana. *BMC Veterinary Research*. https://doi.org/10.1186/s12917-026-05732-0

12. Theophilus Odoom, Philip El-Duah, Rexford Mawunyo Dumevi, Therese Muzeniek, William Tasiame, Richard Kwamena Abbiw, George Agyei, Sherihane Aryeetey, John Amuasi, Faleke Olufemi Oladayo, **Raphael Folitse**, Benjamin Emikpe, Walter Bruchhausen, Christian Drosten (2026). Systematic review on Marburg virus prevalence and persistence in animals. *Frontiers in Veterinary Science*. https://doi.org/10.3389/fvets.2026.1756506

13. William Tasiame, Sherry Ama Mawuko Johnson, Obed Owusu Yeboah, Benjamin Emikpe, **Raphael Folitse**, Vitus Burimuah, Theophilus Odoom, Christian Drosten, Victor Max Corman, Philip El-Duah (2026). Time Series and Pattern of Dog Bites and Rabies in the Ashanti Region, Ghana, 2009–2019: A Call for Inter-Sectoral Collaboration in the Fight Against Rabies. *Tropical Medicine and Infectious Disease*. https://doi.org/10.3390/tropicalmed11090260

14. Umar Ibrahim, **Raphael Deladem Folitse**, Emmanuel Opoku Darko, William Tasiame, Tony Opoku-Agyemang, Benjamin Obukowho Emikpe (2025). Assessing donkey health and welfare, and donkey owners' knowledge on donkey welfare in the East Mamprusi Municipal, North-East Region, Ghana. *PAMJ - One Health*. https://doi.org/10.11604/pamj-oh.2025.18.3.48644

15. Emmanuel Kuufire, Kingsley E. Bentum, Rejoice Nyarku, Viona Osei, Asmaa Elrefaey, Tyric James, Yilkal Woube, **Raphael Folitse**, Temesgen Samuel, Woubit Abebe (2025). Identification of Novel Gene-Specific Markers for Differentiating Various Pathogenic Campylobacter Species Using a Pangenome Analysis Approach. *Pathogens*. https://doi.org/10.3390/pathogens14050477

16. **Raphael D. Folitse**, SA Kwarteng, SO Addo (2025). Molecular Detection of Ricketssia africae and

Candidatus Midichloria mitochondrii in Cattle Ticks from Cameroon. *Veterinary Biomedical and Clinical Journal*. https://vbcj.ub.ac.id/index.php/vbcj/article/view/473

17. Emmanuel Darko Opoku, **RD Folitse**, DO Kodie, W Tasiame, BO Emikpe (2025). Prevalence of canine parvovirus, vaccine-related, and other factors associated with the infection in dogs presented at the veterinary teaching hospital in Kumasi, Ghana. *PAMJ-One Health*. https://www.one-health.panafrican-med-journal.com/content/article/17/11/full/
18. **Raphael D. Folitse**, DA ASARE (2025). Small Animal Clinical Cases and Antibiotic Usage at Selected Veterinary Facilities in Ashanti Region, Ghana. *Acta Veterinaria Eurasia*. https://www.researchgate.net/profile/Benjamin-Emikpe/publication/397210079_Small_Animal_Clinical_Cases_and_Antibiotic_Usage_at_Selected_Veterinary_Facilities_in_Ashanti_Region_Ghana/links/690bacccc900be105cbfab42/Small-Animal-Clinical-Cases-and-Antibiotic-Usage-at-Selected-Veterinary-Facilities-in-Ashanti-Region-Ghana.pdf
19. Benjamin O. Emikpe, **RD Folitse**, W Tasiame, E Amemor, V Burimuah, DA Asare (2024). Assessing cross-border live poultry trade as a possible factor for infectious diseases spread between Aflao and Lomé. *Pan African Medical Journal One Health*. https://www.one-health.panafrican-med-journal.com/content/article/14/7/full/
20. BO Emikpe, **RD Folitse** (2024). Incidence and pattern of pneumonia in sheep slaughtered at the Tamale and Kumasi abattoirs, Ghana. *Afr J Biomed Res*. https://www.researchgate.net/profile/Benjamin-Emikpe/publication/401354714_INCIDENCE_AND_PATTERN_OF_PNEUMONIA_IN_SHEEP_SLAUGHTERED_AT_THE_TAMALE_AND_KUMASI_ABATTOIRS_GHANA/links/69a30208c7bd2e79e789dffc/INCIDENCE-AND-PATTERN-OF-PNEUMONIA-IN-SHEEP-SLAUGHTERED-AT-THE-TAMALE-AND-KUMASI-ABATTOIRS-GHANA.pdf
21. **Raphael D. Folitse**, V Burimuah, W Tasiame, DO Kodie (2024). Knowledge, attitude, interest, and awareness of one health among environmental science, human and veterinary medical students in Kumasi. *Sierra Leone Journal of Biomedical Research*. https://sljbr.org/index.php/sjbmr/article/view/195
22. **R Folitse**, V Burimuah, E Amemor, BO Emikpe (2023). Antibiotic use and knowledge of antibiotic resistance among pig farmers in Ejisu and Juaben municipalities of Ashanti region, Ghana. *PAMJ-One Health*. https://www.one-health.panafrican-med-journal.com/content/article/12/12/full/
23. **R Folitse**, DO Kodie, V Burimuah, W Tasiame, BO Emikpe (2023). Knowledge, perception, and practices concerning toxoplasmosis among veterinary students in Kumasi, Ghana. *PAMJ-One Health*. https://www.one-health.panafrican-med-journal.com/content/article/11/8/full/
24. Benjamin O. Emikpe, W Tasiame, **RD Folitse** (2023). Patterns of Antibiotic Use Among Poultry Farm Cases in Kumasi, Ghana. *MEDIA KEDOKTERAN HEWAN*.
25. **RD Folitse**, BO Emikpe (2023). Retrospective analysis (2018-2021) of respiratory diseases in poultry, diagnosed at the Veterinary Services Laboratory, Kumasi, Ghana. *PAMJ-One Health*. https://www.one-health.panafrican-med-journal.com/content/article/12/11/full/
26. Benjamin O. Emikpe, **R Folitse** (2022). Comparative study of antibody titres in layers boosted with inactivated Newcastle disease vaccine and the thermostable ND I-2 vaccine. *Animal Research International*. https://openurl.ebsco.com/contentitem/gcd:156631466?sid=ebsco:plink:crawler-gcd&id=ebsco:gcd:156631466&crl=c&jrnl=15973115
27. Kingsley Bentum, Sage Shaddox, Crystal Ware, Gopal Reddy, Woubit Abebe, **Raphael Folitse**, Pamela Martin, Temesgen Samuel (2022). Molecular phylogeny of coronaviruses and host receptors among domestic and close-contact animals reveals subgenome-level conservation, crossover, and divergence. *BMC Veterinary Research*. https://doi.org/10.1186/s12917-022-03217-4
28. Y.O. Frimpong, C. Antwi, O. Agbenyega, S.K. Oppong, A.S. Anim-Jnr, V. Burimuah, **R. Folitse**, B.O. Emikpe (2022). Nutrient profiling of ruminant feed resources in Ghana. *Scientific African*. https://doi.org/10.1016/j.sciaf.2022.e01495
29. Benjamin O. Emikpe, **RD Folitse**, J Atawalna (2021). Haemoparasites in Cattle at Gbele Reserve, Upper West Region, Ghana. *Nigerian Journal of Parasitology*. https://www.researchgate.net/profile/Benjamin-Emikpe/publication/

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30. BO Emikpe, DA Asare, AO Emikpe, **RD Folitse** (2021). Knowledge and perception of veterinary students in Ghana on telemedicine. *Nigerian Journal of Physiological Sciences: Official Publication of the Physiological Society of Nigeria*. https://europepmc.org/article/med/34987249

31. **RD Folitse**, V Burimuah, J Atawalna, W Tasiame, BO Emikpe (2021). Knowledge, attitudes and practices relating to avian influenza among poultry workers in Ejisu-Juaben Municipality of Ashanti Region, Ghana. *PAMJ-One Health*. https://www.one-health.panafrican-med-journal.com/content/article/4/1/full/

32. William Tasiame, Philip El-Duah, Sherry A.M Johnson, Eddie-Williams Owiredu, Tobias Bleicker, Talitha Veith, Julia Schneider, Benjamin Emikpe, **Raphael D. Folitse**, Vitus Burimuah, Ernest Akyereko, Christian Drosten, Victor Max Corman (2021). Rabies virus in slaughtered dogs for meat consumption in Ghana: A potential risk for rabies transmission. *Transboundary and Emerging Diseases*. https://doi.org/10.1111/tbed.14266

33. Nembot Fogang Brice Armel, Augustina Angelina Sylverken, Michael Owusu, Philip El-Duah, Vitus Burimuah, Yaw Frimpong, Jones Lamptey, Isabella Eckerle, Benjamin Meyer, Christopher Antwi, Olivia Agbenyaga, **Raphael Folitse**, Benjamin Emikpe, Samuel Kingsley Oppong, Yaw Adu-Sarkodie, Christian Drosten (2021). Sero-molecular epidemiology of hepatitis E virus in pigs and human contacts in Ghana. *One Health Outlook*. https://doi.org/10.1186/s42522-021-00043-w

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35. Philip El-Duah, Dickson Dei, Tabea Binger, Augustina Sylverken, Robert Wollny, William Tasiame, Samuel Oppong, Yaw Adu-Sarkodie, Benjamin Emikpe, **Raphael Folitse**, Jan Felix Drexler, Richard Phillips, Christian Drosten, Victor Max Corman (2020). Detection and genomic characterization of hepatitis E virus genotype 3 from pigs in Ghana, Africa. *One Health Outlook*. https://doi.org/10.1186/s42522-020-00018-3

36. Benjamin O. Emikpe, **RD Folitse** (2020). Gross morphometric characteristics of respiratory organs in the Sahelian goats for assessment of lower respiratory disorders. *Animal Research International*. https://openurl.ebsco.com/contentitem/gcd:142898284?sid=ebsco:plink:crawler-gcd&id=ebsco:gcd:142898284&crl=c&jrnl=15973115

37. Daniel Kwesi Sia, Kwesi Boadu Mensah, Tony Opoku-Agyemang, **Raphael D. Folitse**, David Obiri Darko (2020). Mechanisms of ivermectin-induced wound healing. *BMC Veterinary Research*. https://doi.org/10.1186/s12917-020-02612-z

38. Vitus Burimuah, Augustina Sylverken, Michael Owusu, Philip El-Duah, Richmond Yeboah, Jones Lamptey, Yaw Oppong Frimpong, Olivia Agbenyega, **Raphael Folitse**, Ben Emikpe, William Tasiame, Eddie-Williams Owiredu, Samuel Oppong, Christopher Antwi, Yaw Adu-Sarkodie, Christian Drosten (2020). Molecular-based cross-species evaluation of bovine coronavirus infection in cattle, sheep and goats in Ghana. *BMC Veterinary Research*. https://doi.org/10.1186/s12917-020-02606-x

39. **Raphael D. Folitse** (2020). Morfometría y Tipología del Cráneo en el Perro Local de Ghana de Raza no Definida (Canis lupus familiaris). *International Journal of Morphology*. https://www.scielo.cl/scielo.php?pid=S0717-95022020000300706&script=sci_arttext&tlng=en

40. Daniel Essel Cobbinah Jr, D Essel-Cobbinah, D.D Sia, S Mukundane-Springs, **R. D Folitse**, B.O Emikpe (2020). The Morphometrics and Typology of the Skull in the Ghanaian Local Dog of Non-Descript Breed (Canis lupus familiaris). *International Journal of Morphology*. https://doi.org/10.4067/s0717-95022020000300706

41. Philip El-Duah, Benjamin Meyer, Augustina Sylverken, Michael Owusu, Lina Theresa Gottula, Richmond Yeboah, Jones Lamptey, Yaw Oppong Frimpong, Vitus Burimuah, **Raphael Folitse**, Olivia Agbenyega, Samuel Oppong, Yaw Adu-Sarkodie, Christian Drosten (2019). Development of a Whole-Virus ELISA for

Serological Evaluation of Domestic Livestock as Possible Hosts of Human Coronavirus NL63. *Viruses*. https://doi.org/10.3390/v11010043

42. Benjamin Obukowho Emikpe, Theophilus Aghogho Jarikre, Stephen O Akpavie, Tony Opoku-Agyemang, Derrick Asare, **Raphael D Folitse** (2019). Histological and immunohistochemical assessments of pneumonia in sheep slaughtered at Ibadan, Nigeria and Kumasi, Ghana. *Journal of Immunoassay and Immunochemistry*. https://doi.org/10.1080/15321819.2019.1589495

43. Philip El-Duah, Augustina Sylverken, Michael Owusu, Richmond Yeboah, Jones Lamptey, Yaw Oppong Frimpong, Vitus Burimuah, Christopher Antwi, **Raphael Folitse**, Olivia Agbenyega, Samuel Oppong, Yaw Adu-Sarkodie (2019). Potential Intermediate Hosts for Coronavirus Transmission: No Evidence of Clade 2c Coronaviruses in Domestic Livestock from Ghana. *Tropical Medicine and Infectious Disease*. https://doi.org/10.3390/tropicalmed4010034

44. Benjamin O. Emikpe, **RD Folitse** (2019). Prevalence, predictors and financial implication of cattle recumbency at the Kumasi Animal Market, Ghana. *Animal Research International*. https://www.ajol.info/index.php/ari/article/view/189521

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47. Kingsley E Bentum, **Raphael D Folitse**, Esther Amemor, Vitus Burimuah, Tony Opoku-Agyemang, Benjamin Obukowho Emikpe (2019). Seroprevalence ofToxoplasma Gondiiantibodies in sheep and goats slaughtered at the Kumasi Abattoir, Ghana. *Journal of Immunoassay and Immunochemistry*. https://doi.org/10.1080/15321819.2019.1642916

48. Oluwagbenga A. Adeola, Babasola O. Olugasa, Benjamin O. Emikpe, **Raphael D. Folitse** (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*. https://doi.org/10.1111/zph.12559

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51. Victoria Attoh-Kotoku, Benjamin Obukowho Emikpe, Douglas Obuadey, Olayinka Olabisi Ishola, Emmanuel Kwesi Osafo, Ambrose Donkoh, **Raphael Folitse** (2018). PATTERNS AND DIRECT FINANCIAL IMPLICATIONS OF CONTAGIOUS PLEUROPNEUMONIA IN CATTLE SLAUGHTERED IN KUMASI ABATTOIR, GHANA. *Animal Research International*.

52. BO Emikpe, **RD Folitse** (2017). Point prevalence and pathology associated with gastrointestinal parasites in local chickens and guinea fowls in Kumasi, Ghana. *Niger. J. Parasitol*. https://www.researchgate.net/profile/Benjamin-Emikpe/publication/312605584_Point_prevalence_and_pathology_associated_with_gastrointestinal_parasites_in_local_chickens_and_guinea_fowls_in_Kumasi_Ghana/links/59df1c17458515376b406bc7/Point-prevalence-and-pathology-associated-with-gastrointestinal-parasites-in-local-chickens-and-guinea-fowls-in-Kumasi-Ghana.pdf

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54. Micheal Kwaku Frimpong, Benjamin Obukowho Emikpe, **Raphael Folitse**, Theophilus Aghogho Jarikre, Nyarko Timothy Asenso, Derrick Adu Asare, D. B. Okai (2016). ASSESSMENT OF FETAL WASTAGE IN PIGS SLAUGHTERED AT KUMASI ABATTOIR, GHANA. *Animal Research International*.

55. Derrick Adu Asare, Benjamin Obukowho Emikpe, **Raphael Folitse**, Vitus Burimuah (2016). Incidence and Pattern of Pneumonia in Goats Slaughtered at the Kumasi Abattoir, Ghana. *African Journal of Biomedical Research*.

56. J Atawalna, **RD Folitse** (2016). Prevalence of gastrointestinal parasites among pigs in the Ejisu Municipality of Ghana. *Scholars Journal of Agriculture and Veterinary Sciences*. https://scholar.google.com/scholar?cluster=15916647815385668 3&hl=en&oi=scholarr

57. OD Boakye, BO Emikpe, **RD Folitse**, SG Bonnah, K Adusei, M Owusu, VO Oyebanji (2016). Serological Detection of Newcastle Disease Virus Antibodies in Local Chickens and Guinea Fowls in the Area of Kumasi, Ghana. *Brazilian Journal of Poultry Science*. https://doi.org/10.1590/18069061-2015-0132

58. Vitus Burimuah, W K Ampofo, B Awumbila, N Yebuah, B O Emikpe, W Tasiame, **R D Folitse** (2016). THE EVALUATION OF DOMESTIC DUCKS AS POTENTIAL RESERVOIR OF AVIAN INFLUENZA VIRUS IN POST HPAI H5N1 OUTBREAK AREA, SUNYANI MUNICIPALITY, BRONG AHAFO REGION OF GHANA. *African Journal of Infectious Diseases*. https://doi.org/10.21010/ajid.v10i2.10

59. W Tasaime, B.O Emikpe, **R.D Folitse**, C.O Fofie, V Burimuah, S Johnson, J.A Awuni, E Afari, N Yebuah, F Wurapa (2016). THE PREVALENCE OF BRUCELLOSIS IN CATTLE AND THEIR HANDLERS IN NORTH TONGU DISTRICT OF VOLTA REGION, GHANA. *African Journal of Infectious Diseases*. https://doi.org/10.21010/ajid.v10i2.6

60. Esther A Amemor, S O sackey, Nathaniel Yebuah, **Raphael Deladem Folitse**, Benjamin O Emikpe, E Afari, f Wurapa, C Ohuabunwo, K Addo, David mensah, E Gaglo, Mark-hansen S Johnson, William Tasiame, D Amedzovor, D Nkunafa, Frank Bonsu (2016). THE PREVALENCE OF TUBERCULOSIS IN CATTLE AND THEIR HANDLERS IN NORTH TONGU, VOLTA REGION, GHANA. *African Journal of Infectious Diseases*. https://doi.org/10.21010/ajid.v11i1.2

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Book chapters 2

1. Benjamin Obukowho Emikpe, Chukwunonso Ezeasor, Vincent Shoyinka, Ganiyu Adetunji Adeniran, Victor Oyebanji, **Raphael Deladem Folitse** (2024). Plant Gums as Vaccine Delivery Agents for Major Poultry and Small Ruminant Vaccine-Preventable Diseases. *Pharmaceutical science.*. https://doi.org/10.5772/intechopen.114394
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Theses 1

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