RESEARCH:

(i) Completed

(a) Studies on trace elements and trypanotolerance in Nigerian cattle (1991-1992).
(b) Comparative chemotherapeutic and cost benefit values of deterpens and competing antimycoplasmals in laying and meat strains of poultry (1994).
(c) Molecular characterization of infectious bursal disease virus using reverse transcription – ploymerase chain reaction (RT-PCR) and restriction enzyme analysis (1996).
(d) Pathogenesis of Avian polyomavirus in infectious bursal disease virus infected chickens (1995).
(e) Seroprevalence of infectious bursal disease virus antibodies in chicken, turkey and ducks (1996-1999).
(f) Control of Newcastle disease in (tropical) village poultry through the development and use of prototype vaccine and vaccination (1996-1999).
(g) Effect of infectious bursal disease virus infection on the haematology and plasma proteins of chicken, turkey and duck. (2000).
(h) Comparison of levels of Zn and Mn in bursal of Fabricius and thymus of chicken, turkey and ducks (2001).
(i) Clinical, pathologic and Immunohistochemical studies on infectious bursal disease in chicken, turkey and duck (Ph.D Research).
(j) Comparison of delayed type hypersensitivity (DTH) reaction induced in chickens, turkeys and ducks by killed *Staphylococcus aureus.*
(k) Effect of Immuplus^{R} on immune response of chickens to infectious bursal disease (IBD) and Newcastle disease (ND) vaccinations.
(l) Experimental infection of Nigerian indigenous and exotic chickens with infectious bursal disease virus: Clinical and pathological changes**.**
(m) Concurrent Newcastle disease virus and avian influenza virus infections in commercial chickens in southwest Nigeria.
(n) Effects of army ants on poultry production in southwest Nigeria
(o) Effect of Immuplus on cellular immune response of chickens.
(p) Effect of Agrastim^{R} on vaccinal immune response and growth performance of commercial broilers.
(q) Effect of *Adansonia digitata* on the infectivity of Newcastle virus and growth of commercial broilers.
(r) The effect of garlic (*Allium sativum*) on growth performance, gut morphometry and vaccinal immune response of commercial broilers.
(s) The effect of Levamisole hydrochloride on cellular immune response in broilers.
(t) Infectivity of duck-embryo propagated infectious bursal disease virus (serotype 1).
(u) Avian encephalomyelitis virus antibody profiles in selected breeder flocks and their progeny.
(v) Prophylactic effect of garlic (*Allium sativum)* Supplementation on coccidial infection in commercial broilers.
(w) Newcastle disease virus maternal antibody transfer in selected breeder flocks And their progeny.
(x) Infectious bursal disease virus maternal antibody transfer in selected breeder flocks and their progeny
(y) Effect of Garlic (*Allium sativum*) meal supplementation on serum biochemistry

and body lipids of commercial broilers.

(z) Influence of garlic (*Allium sativum* L.) feed inclusion on production performance and health of commercial chickens.

(aa) Seroprevalence, molecular and clinical epidemiology of Avian metapneumovirus infection in selected climatic zones in Nigeria.

(ab) Isolation and molecular characterization of Avian Pneumovirus from different climatic zones of Nigeria.

(ac) Comparative induction of oxidative stress in infectious bursal disease virus-infected chickens, turkeys and ducks.

(ad) Interplay of lymphocyte membrane integrity and trace mineral levels on the susceptibility of poultry species to infectious bursal disease.

(ae) Lead-induced toxicity in chickens and the potential of *Alchornea laxiflora* in its management/control.

(ii) In Progress

(a) Dynamics of haemoparasitic infections in commercial chickens in Southwest Nigeria and the potential of garlic (*Allium* sativum) in control.

(b) Influence of garlic on hepatic lipogenesis in the control of fatty liver haemorrhagic syndrome.