



Annular Cyclic Dynamics of Gonadal and Immune Functions in Guinea Fowl

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Taschenbuch. Book Condition: Neu. 220x150x5 mm. This item is printed on demand - Print on Demand Neuware - Rural poultry production plays essential role in bridging the protein deficiency prevailing in the world. Guinea fowl has a significant role in rural poultry raised under extensive production system that permits farmers to bring in cash mainly for eggs and meat. It is domesticated across the world. It is sexually dimorphic and its male can be distinguished by large helmet and wattles. Its meat is lean and tender having 50% less fat and 8% more protein than chicken meat. It is a long day breeder and its seasonal reproductive cycle has an inverse relation with the immune system. During the annual cycle, there are marked variations in the mass of bursa of Fabricius and testes. Bursa was maximum during winter season (Jan-Feb) and minimal during summer season (May-Jun). This represents an inverse relationship with testicular cycle and other ecological factors like humidity, rainfall, and temperature and food availability. It is evident that the gonadal steroids are responsible for immune regulation. Seasonal variation in the immune system of fowl could result from annual rhythm of sex...



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