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Animal and Meat Production in Ghana-An Overview
**Original Article, C1**

**Adzitey F.**

*J. World's Poult. Res.* 3(1):

**ABSTRACT:** Animal production is an integral part of Ghana's agricultural economy and a major source of livelihood for many rural people. Reliable data on the number and species of livestock will be useful for livestock stakeholders and policy makers. Data obtained from different sources were compiled in this research. The data will be useful for livestock and other stakeholders will use this data in planning and making of policies, and to monitor changes that may occur overtime.

**Key words:** Agricultural economy, Animal production, Animal species, Meat production, Ghana.

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**Conventional and molecular detection of Newcastle disease and infectious Bursal disease in chickens**

**Original Article, C2**

**Majed H.M., Zahid A.A.H., Kadhim L.I., and Hasoon M.F.**

*J. World's Poult. Res.* 3(1):

**ABSTRACT:** The present study was undertaken to compare different diagnostic procedures for the detection of Newcastle disease and infectious Bursal disease. Conventional and molecular methods were compared for the detection of Newcastle disease virus and infectious Bursal disease virus. The study demonstrated that the detection of Newcastle disease and infectious Bursal disease viruses is possible by conventional and molecular methods. Reliable, sensitive, specific and more accurate methods to detect the viruses for the confirmatory diagnosis of diseases are required.

**Key words:** Clinical diagnosis, NDV, IBDV, HI, AGIDT, RT-PCR assay.
Effect of substituting yellow maize for sorghum on broiler performance

Original Article, C3
Ahmed M.A., Dousa B.M. and Abdel Atti Kh.A.
J. World's Poult. Res. 3(1):

ABSTRACT: An experiment was conducted to study the nutritive value of yellow maize when it substitutes sorghum grain as source of protein in broiler diets. A total of 90 broiler chickens were divided into 3 groups and fed with 3 experimental diets. Each group was maintained for 6 weeks. Feed intake and body weight gain had been recorded weekly. The results showed a significant increase (P<0.05) in broiler performance with yellow maize replacing sorghum. Key words: Broiler, Maize, Sorghum, Performance
Seroepidemiological studies on poultry salmonellosis and its public health importance

Ibrahim M.A., Emeash H.H., Ghoneim N.H. and Abdel-Halim M.A.
J. World's Poult. Res. 3(1): 18-23

ABSTRACT:
Non-typhoid

Key words:
Salmonella

Rural poultry farming with improved breed of backyard chicken
ABSTRACT: Livestock and poultry rearing is an imperative factor for improving the nutritional security of rural poor in India. Rural farmers rear Desi type chicken with low egg and meat production in backyard system. For developing the rural poultry farming, improved methods in culling, rearing, and commercialization should be explored. Gramapriya is one such method, which is a solution to food security to the needy villagers paving a way for sustainable agriculture in rural areas of India.

Keywords: Backyard Chicken, Gramapriya, Rural, Vanaraja

A study on Cestode Parasites of *Corvus* Species of Kashmir, India
ABSTRACT: During the present study, three species of the genus *Corvus* namely *Corvus monedula*, *C. splendens* and *C. macrorhynchos* were collected from different localities of Kashmir valley and investigated for the presence of cestode parasites. *Anomotaenia galbulae* (Gmelin, 1790) Furhrmann, 1932 was recovered from all the three host species. While, *Choanotaenia micracantha* was recovered only from *C. monedula* and no specimen of this cestode was obtained from *C. Splendens* and *C. macrorhynchos* during the present study. The specimens thus collected were identified as *Anomotaenia galbulae* and *Choanotaenia micracantha* on the basis of various morphological and morphometric characters when compared to the known species of genera *Anamotaenia* and *Choanotaenia* respectively. However, some intraspecific variations were observed.

Key words: Cestode, Crows,

Effect of Dietary Inclusion of *Zataria multiflora* on Histological Parameters of Bursa of Fabricius in Broilers

*ABSTRACT:* Regarding the remarkable role of bursa of Fabricius as a primary lymphoid organ in poultry, this study aimed to evaluate the effect of long term administration of *Zataria multiflora* as an herbal immunomodulatory agent on histological features of this organ in broiler chickens. To this end, fifty, one-day old chickens were randomly divided into five equal groups and fed with diets contained 0.5, 1, 1.5, and 2% of *Z. multiflora* (experimental groups) or basal diet (control group) for 45 days. On day 46, birds were slaughtered and bursa of Fabricius were excised and fixed in hot formalin solution. After dehydration and paraffin embedding, the sections of bursa were cut into 6-mm-thick sections and stained with hematoxylin and eosin for histological examination. All sections were examined under light microscope for the measurement of histological parameters. The results showed a dose dependent increase in all histomorphometric parameters due to *Z. multiflora* administration and the highest increase was in the thickness of follicular cortex of birds treated with 2% *Z. multiflora*.

In conclusion, dietary inclusion of *Z. multiflora* during the rearing period of broilers, dose dependently affects histological structures of bursa of Fabricius in a way that may enhance its role as a lymphoid organ.

Key words: Bursa of Fabricius; Histology;