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Issue 1 (11 March 2013), pp. 01-37

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Animal and Meat Production in Ghana-An Overview
ABSTRACT: Animal production is an integral part of Ghana's agricultural economy and a major source of livelihood for many rural people. The World's Poult. Res. published an article titled "Conventional and molecular detection of Newcastle disease and infectious Bursal disease in chickens" by Majed H.M., Zahid A.A.H., Kadhim L.I., and Hasoon M.F. The study aimed to compare different diagnostic procedures for the detection of Newcastle disease and infectious Bursal disease in chickens. The key words for this study include Agricultural economy, Animal production, Animal species, Meat production, Ghana.

ABSTRACT: The present study was undertaken to compare different diagnostic procedures for the detection of Newcastle disease and infectious Bursal disease in chickens. The study concluded that conventional and molecular methods are reliable, sensitive, specific, and more accurate for the confirmatory diagnosis of these diseases. The key words for this study include 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 nutritional value of yellow maize when it substitutes sorghum grain as source of energy and protein in broiler diets. The experiment lasted for 6 weeks. Feed intake and body weight gain had been recorded weekly. The results showed significant increase (P < 0.05) in feed intake, body weight gain, and relative gain in body weight in broilers fed yellow maize based diets. Key words: Broiler, Maize, Sorghum, Performance
Seroepidemiological studies on poultry salmonellosis and its public health importance

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 livestock rearing and the poultry rearing system is the need of the hour. Gramapriya, a chicken variety, has been developed in the rural areas of India. It has higher production potential. An attempt to study the performance of Gramapriya variety of chicken in the backyard system of rural areas of India was made in the present study. The results revealed that the improved poultry rearing system was successful for livestock rearing in the rural areas of India. It is suggested that the improved poultry rearing system 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

Original Article, C6
Ahmad Dar J., Tanveer S., Ahmad Kuchai J. and Ahmad Dar Sh.
J. World's Poult. Res. 3(1): 28-34
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,

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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 was excised and post mortem examination was done. Histological examination was done using sections that were fixed, embedded, and stained using hematoxylin & eosin. The follicle and plica thickness was measured using a linear graticule. Number of follicles in plicae was also counted under light microscope. 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;

Original Article, C7

**Shomali T, Hamedi S, Paryani MR, Mohseni SM, Farzaneh M.**

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