Table of Contents,

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

Research Title/
Graphical Abstract

Article Information/
Abstract

Download

Animal and Meat Production in Ghana-An Overview
Original Article, C1
Adzitey F.

**ABSTRACT:**
Animal production is an integral part of Ghana's agricultural economy and a major source of livelihood for many rural households and businesses. Accurate data on animal species and meat production is crucial for planning and making of policies to improve this sector. This data will be used by various sectors including agriculture, research and development, and other stakeholders in various regions and other countries. The data will also be used to monitor changes that may occur over time. Key words: Agricultural economy, Animal production, Animal species.

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.

**ABSTRACT:**
The present study was undertaken to compare different diagnostic procedures for the detection of Newcastle disease (NDV) and infectious Bursal disease (IBDV). The study was aimed at identifying reliable, sensitive, specific and more accurate methods to detect the viruses for the confirmatory diagnosis of diseases. 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 nutritional value of yellow maize when it substitutes sorghum grain as source of energy for broiler chickens. The experiment lasted for 6 weeks. Feed intake and body weight gain had been recorded weekly. The results showed significant increase in growth performance of the birds fed the yellow maize diet.

Key words: Broiler, Maize, Sorghum, Performance
Seroepidemiological studies on poultry salmonellosis and its public health importance

**Original Article, C4**

Ibrahim M.A., Emeash H.H., Ghoneim N.H. and Abdel-Halim M.A.


**ABSTRACT:**

Non-typhoid *Salmonella* serovars remain a potential threat to human health, and poultry species are possible sources of these organisms. In this study, trials for *Salmonella* isolation from poultry and humans were conducted in the period April 2009 through March 2010 in Beni-Suef Governorate, Egypt. In total, 770 samples were collected from broilers, breeders, layers, ducks, and turkeys. All poultry and human samples were subjected to bacteriological examination and serological identification for *Salmonella* spp. The recovered *Salmonella* strains were found belonging to *S. Kentucky*, *S. Typhimurium* and *S. SaintPaul*. The obtained results demonstrated that the occurrence of *Salmonella* spp. accounted for 16.66, 10.0, 2.0, 6.0 and 2.0% in broilers, breeders, layers, ducks and turkeys respectively. Investigation of litter samples revealed that the occurrence of *S. Kentucky* was 53.33, 66.66 and 28.57% in broiler's, breeder's and duck's litters respectively. Examination of human samples declared that 8 out of 90 hand swabs were found positive for *S. Kentucky* whereas all stool samples reacted negatively to all *Salmonella* spp. In the present study, conclusively *Salmonella* serovars (S. Kentucky) isolated from chickens were frequently isolated from poultry farms. This provided evidence that direct contact with poultry or poultry environment may pose health hazards for humans.

**Key words:** *Salmonella* spp.; Poultry; Humans; Litter

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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 rural poultry farming, improved breeding strains and increased cage production are required. 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 *C. 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 was collected from each bird. The tissue was fixed in 10% formalin and embedded in paraffin. Sections of tissue were stained with hematoxylin and eosin. The thickness of follicular cortex, the number of lymphoid follicles, and the number of lymphoid follicles in plicae were 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;