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 and urban dwellers. This study aims at providing an update on the current state of animal production in Ghana by summarizing the production data for animals and the related components of the agricultural economy. The data presented in this study is intended to be a reference for the government 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.

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

**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.


**ABSTRACT:**

An experiment was conducted to study the nutritive value of yellow maize when it substitutes sorghum grain as a source of protein and energy in broiler diets. The birds were divided into four groups and fed diets containing different levels of yellow maize and sorghum. The results showed significant increases in feed intake and body weight gain during the experiment, which lasted for 6 weeks. Feed intake and body weight gain were recorded weekly.

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

**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. The samples included poultry (broilers, breeders, layers, ducks, and turkeys) and human (hand and stool) samples. All poultry and human samples were subjected to bacteriological examination and serological identification for salmonella species. 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 in broiler 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

Rural poultry farming with improved breed of backyard chicken
Original Article, C5

Pathak P.K. and Nath B.G.

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

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 feed, and efficient management practices are required. The present work was carried out to develop 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, Vanara

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 *Anomotaenia* 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

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 ... 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;