Animal production is an integral part of Ghana's agricultural economy and a major source of livelihood for many rural farmers. The data presented in this article will be useful for policy makers and other stakeholders to make informed decisions regarding the development of the animal sector. The data can also be used to monitor changes that occur over time.

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

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

The present study was undertaken to compare different diagnostic procedures for the detection of Newcastle disease and infectious Bursal disease. The authors compared conventional and molecular methods and concluded that molecular methods are more reliable, sensitive, specific, and accurate for the confirmatory diagnosis of the diseases.

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

<table>
<thead>
<tr>
<th>Original Article, C3</th>
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<tr>
<td>Ahmed M.A., Dousa B.M. and Abdel Atti Kh.A.</td>
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<td>J. World's Poult. Res.</td>
</tr>
</tbody>
</table>

**ABSTRACT:** An experiment was conducted to study the nutritional value of yellow maize when it substitutes sorghum grain as a source of energy in the diet of broilers. The experiment lasted for 6 weeks. Feed intake and body weight gain were recorded weekly. The results showed a significant increase in growth performance when yellow maize replaced sorghum. **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.
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... 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 *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 *Zataria multiflora* on Histological Parameters of Bursa of Fabricius in Broilers

Original Article, C7

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


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 removed. Tissue samples were sliced and embedded in paraffin wax using a microtome. Slides were stained with hematoxylin & eosin and examined under light microscope. Thickness of the follicular cortex, length and width of 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;