



**BOSNIAN - TURKISH SCIENTIFIC DAYS 2011**  
Sarajevo, April 14-17, 2011



**Organised by Veterinary Faculties from Sarajevo and Istanbul**

# **BOOK OF ABSTRACTS**

**Venue:**  
**Veterinary Faculty Sarajevo**

**Sarajevo, April 14-17, 2011**  
**Bosnia and Herzegovina**



**SECTION: ANIMAL BREEDING AND NUTRITION**

*Oral presentations:*

1. Alper YILMAZ, Halil GÜNES

**An Overview of Animal Breeding In Turkey**

2. Kozel AVANUS, Ahmet ALTINEL

**Congenital Disorders in Holstein Cattle Breeding: Serious Hazards and Eradication Rules**

3. Varatanović Maja, Šakić V., Katlica V.

**An overview of animal breeding in Bosnia and Herzegovina**

*Poster presentations:*

4. Bulent EKİZ<sup>1</sup>, Elif Ergül EKİZ<sup>2</sup>, Omur KOÇAK<sup>1</sup>, Hülya YALÇINTAN<sup>1</sup>, Alper YILMAZ<sup>1</sup>

**Effect of pre-slaughter management regarding transportation and length of lairage duration on certain welfare parameters, carcass and meat quality characteristics in Kivircik lambs**

5. Omur KOÇAK, Bulent EKİZ, Hülya YALÇINTAN, Alper YILMAZ, Mustafa ÖZCAN

**Influence of Extensive, Intensive and Organic Production Systems on Fattening and Carcass Quality of Lambs**

6. Ceren İSLAMOĞLU, Elif SAHİN

**Importance Of Genotoxicity Studies In Aquaculture**

7. Hülya ÜSTÜNALKAN<sup>1</sup>, Feraye ESEN GÜRSEL<sup>2</sup>, Atilla ATEŞ<sup>2</sup>, Mustafa ÖZYÜREK<sup>3</sup>, Kubilay GÜÇLÜ<sup>3</sup>, Mehmet ALTUN<sup>3</sup>

**Protective Effects Of *Salvia Officinalis* Extract Against Cyclophosphamide Induced Genotoxicity And Oxidative Stress In Rats**

8. Gagić A., Alibegović-Zečić Fahira, Kavazović Aida, Piplica Slavica, Črnkić Č.

**Nutritional and technology view on the use of black seed oil (*Nigella sativa*) in broilers**

9. Alibegović-Zečić Fahira, Kavazović Aida, Gagić A., Rešidbegović Ermina, Piplica Slavica

**Effect of dietary iron on the element content in the liver in broilers**

10. Ajenović Atifa, Sofić E., Rukavina Dunja, Hasanbašić Danica, Zahirović A.

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11. Bejdžić Pamela, Avdić R., Tandir F., Čulahija Velida, Hadžiomerović N.

**Morphology of digestive system in eurasian griffon vulture (*Gyps Fulvus*) – case report**

12. Gagić Aja, Hadžiahdić S., Gagić A.

**Animal rights in legislation and practice**

13. Hadžiahdić S., Gagić Aja, Gagić A.

**The effects of dietary phytase enzyme on production of layers**

14. Sinanović N.

**Management analysis of the fallow deer (*Dama Dama*) farms in Bosnia and Herzegovina**

15. Katlica M., Muharemović Z., Hadžimusić Nejra, Mušanović J.

**Effects of weak magnetic fields on the platelets count into fattening turkey peripheral blood samples *in vitro* conditions**

16. Horđić Aida, Hrković Amira, Gagić A., Hanmandžić M., Kavazović A., Pašić Juhana Eva, Kustura A., Goletić T.

**Dietary black seed (*Nigella Sativa*) oil affects serum lipids in broiler chickens**

# **Congenital Disorders in Holstein Cattle Breeding: Serious Hazards and Eradication Rules**

Kozet AVANUS, Ahmet ALTINEL<sup>1</sup>

## **Abstract**

Holstein is the most common improved breed being used in dairy cattle breeding in Turkey. Intensive usage of elite sires in artificial insemination all around the world increased congenital recessive disorders in Holstein breed. The aim of this study is to summarize the most important recessive hereditary disorders in Holstein cattle. Important congenital disorders in Holstein cattle breeding are: BLAD (Bovine Leukocyte Adhesion Deficiency), DUMPS (Deficiency of Uridine 5 Monophosphate Synthase), Bovine Citrullinaemia, CVM (Complex Vertebral Malformation), and Factor XI deficiency. The detection of heterozygotes with molecular methods enables the selection of non-carriers, prevention of the spread of recessive disorders and eradication of these disorders from herd.

**Key Words:** Holstein, congenital disorder, heterozygote, carrier, eradication.

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<sup>1</sup>Department of Animal Breeding and Husbandry, Faculty of Veterinary Medicine, Istanbul University, Avcilar 34320, Istanbul, Turkey