



Academy of Agricultural and Forestry Sciences  
„Gheorghe Ionescu Șișești”

National Research – Development Institute  
for Animal Biology and Nutrition

# Archiva Zootechnica

Volume 17, no. 2

2014

# **ARCHIVA ZOOTECHNICA**

**is published by the**

**National Research – Development Institute  
for Animal Biology and Nutrition (IBNA)**

**Calea Bucureşti nr.1, 077015 Baloteşti, Ilfov, Romania**

**Phone +40 21 351 2084, Fax +40 21 351 2080**

**Journal e-mail:** *archiva@ibna.ro*

**Journal webpage:** *http://www.ibna.ro/archiva-en.html*

## **EDITORIAL BOARD**

Horia Grosu, General Manager

Cătălin Dragomir, Scientific Director (**Editor in Chief**)

Ionelia Taranu, Head of Dept.

Daniela Marin, Senior Researcher

Rodica Criste, Head of Dept.

Mihaela Hăbeanu, Head of Dept.

Elena Ghiță, Science Secretary

## **Archiva Zootechnica is abstracted / indexed in:**

CABI full text

CAB Abstracts

AgBiotechNet

Animal Science Database

Environmental Impact

Forest Science Database

Nutrition and Food Sciences Database

VetMed Resource

AgBiotech News and Information

Agricultural Economics Database

Agricultural Engineering Abstracts

Agroforestry Abstracts

Animal Breeding Abstracts

Dairy Science Abstracts

Grasslands and Forage Abstracts

Index Veterinarius

Nutrition Abstracts and Reviews Series B: Livestock Feeds and Feeding

Pig News and Information

Poultry Abstracts

Review of Aromatic and Medicinal Plants

Review of Medical and Veterinary Mycology

Veterinary Bulletin

Ulrich's

IVIS

**ISSN 1016-4855**

© Editura Marlink

Str. Vaselor nr. 2, Bl. 34, Et. 1, Ap. 9

Bucureşti, sector 2,

Telefon: 021-221 89 76

[office@marlink.ro](mailto:office@marlink.ro)

Optimal dietary copper levels for pig growth <i>J. Sales</i>	5
Evaluation of dietary vitamin E supplementation on performance characteristics and immuno-competence of broiler chickens <i>O.B. Faluyi, J.O. Agbede, I.A. Adebayo, M. Adegbenro</i>	27
Effect of constant ME:CP at different levels of CP and ME on growth performance and meat characteristics of broilers from 1-28 days <i>Z. Iqbal, A. Mughal, Z. Kamran, A. Ali, U. Ahsan</i>	41
Study of the feeding value and antioxidant capacity of winery by-products, potential natural antioxidants for farm animal diet formulations <i>Margareta Olteanu, Criste Rodica Diana, Tatiana Dumitra Panaite, Mariana Ropotă, Monica Mitoi, Iulia Vărzaru, Arabela Elena Untea</i>	55
Protein quality assessment from unconventional feed plants for feeding laying hens <i>Iulia Varzaru, Tatiana Panaite, Gabriela Cornescu, Margareta Olteanu, I. Van</i>	71
Study concerning the effects of using organic trace mineral supplements (Mn and Zn) on egg quality <i>Gabriela Maria Cornescu, Tatiana Dumitra Panaite, Arabela Untea, Rodica Diana Criste</i>	77
Assessment of corn gluten feed as a substitute for sunflower meal in dairy cows diets <i>Smaranda Toma, C. Dragomir, Maria Chrenkova, Zuzana Ceresnakova, Jovanka Levic</i>	85