

BIOTECHNOLOGY IN ANIMAL HUSBANDRY

CONTENTS

Review paper

- Jakov Nišavić, Nenad Milić, Andrea Zorić, Jovan Bojkovski, Aleksandar Stanojković*
THE APPLICATION OF PCR BASED METHODS IN DIAGNOSTICS OF SOME VIRAL INFECTIONS OF SWINE..... 321

Original scientific paper

- Čedomir Radović, Milica Petrović, Nenad Brkić, Nikola Parunović, Dragan Radojković, Radomir Savić, Marija Gogić*
CORRELATION OF LITTER SIZE TRAITS 331
- Jivko Nakev, Teodora Popova, Maya Ignatova, Penka Marinova, Tania Nikolova*
SEASONAL AND YEAR DYNAMICS IN THE QUALITY CHARACTERISTICS IN PIG CARCASSES 341
- Vladimir Dosković, Snežana Bogosavljević-Bošković, Lidija Perić, Miloš Lukić, Zdenka Škrbić, Simeon Rakonjac, Veselin Petričević*
EFFECT OF PROTEASE AND DURATION OF FATTENING PERIOD ON DRESSING PERCENTAGE OF BROILER CHICKENS..... 353
- Simeon Rakonjac, Snežana Bogosavljević-Bošković, Zdenka Škrbić, Lidija Perić, Vladimir Dosković, Veselin Petričević, Milun D.Petrović*
CHEMICAL COMPOSITION OF MEAT OF LAYING HENS IN ALTERNATIVE REARING SYSTEMS 361
- Blagoje Dimitrijević, Slavoljub Jović, Dušica Ostojić-Andrić, Mila Savić, Žolt Bečkei, Vesna Davidović, Mirjana Joksimović-Todorović*
INFECTION WITH *Strongyloides papillosus* IN SHEEP: EFFECT OF PARASITIC INFECTION AND TREATMENT WITH ALBENDAZOLE ON BASIC HAEMATOLOGICAL PARAMETERS 369
- Slobodan Lilić, Jelena Babić, Branka Borović, Ljiljana Spalević, Danka Maslić-Strizak, Miloš Pavlović, Milan Milijašević*
EFFECT OF SODIUM CHLORIDE REDUCTION IN DRY PORK ON SENSORY QUALITY PARAMETERS AND INSTRUMENTALLY MEASURED COLOUR..... 383
- Anka Popović-Vranješ, Snežana Paskaš, Anka Kasalica, Marija Jevtić, Milka Popović, Branislava Belić*
PRODUCTION, COMPOSITION AND CHARACTERISTICS OF ORGANIC HARD CHEESE..... 393
- Denis Kučević, Ivan Pihler, Miroslav Plavšić, Tamara Vuković*
THE COMPOSITION OF GOAT MILK IN DIFFERENT TYPES OF FARMINGS..... 403
- Snežana Đorđević, Violeta Mandić, Dragana Stanojević*
THE EFFECT OF BACTERIAL INOCULANT ON CHEMICAL COMPOSITION AND FERMENTATION OF ALFALFA SILAGE..... 413

VOL 32, 4

Founder and publisher
**INSTITUTE FOR
ANIMAL HUSBANDRY**
11080 Belgrade-Zemun
Belgrade 2016

EDITORIAL COUNCIL

Prof. Dr. Martin Wähler, Faculty of Applied Sciences, Bernburg, Germany

Dr. Milan P. Petrović, Institute for Animal Husbandry, Belgrade-Zemun, Serbia

Dr. Zorica Tomić, Institute for Animal Husbandry, Belgrade-Zemun, Serbia

Prof. Dr. Milica Petrović, Faculty of Agriculture, University of Belgrade, Serbia

Dr. Branka Vidić, Scientific Veterinary Institute „Novi Sad“, Serbia

Prof. Dr. Lidija Perić, Faculty of Agriculture, University of Novi Sad, Serbia

Dr Maya Ignatova, Institute of Animal Science, Kostinbrod, Bulgaria

Prof. Dr. Kazutaka Umetsu, Obihiro University of Agriculture and Veterinary Medicine, Obihiro, Japan

Prof. Dr. Dragan Glamočić, Faculty of Agriculture, University of Novi Sad, Serbia

Prof. Dr. Vigilijus Jukna, Institute of Energy and Biotechnology Engineering, Aleksandras Stulginskis University, Kaunas, Lithuania

Dr. Elena Kistanova, Institute of Biology and Immunology of Reproduction „Kiril Bratanov“, Sofia, Bulgaria

Prof. Dr. Pero Mijić, Faculty of Agriculture, University of Osijek, Croatia

Prof. Dr. Niels Oksbjerg, Department of Food Science, Aarhus University, Denmark

Dr. Marjeta Čandek-Potokar, Agricultural Institute of Slovenia, Ljubljana, Slovenia

Prof. Dr. Wladyslaw Migdal, University of Agriculture, Krakow, Poland

Dr Ivan Bahelka, National Agricultural and Food Centre – Research Institute for Animal Production, Lužianky, Slovakia

Prof. Dr. Colin Whitehead, Roslin Institute, University of Edinburgh, United Kingdom

Prof. Dr. Sandra Edwards, School of Agriculture, Food and Rural Development, University of Newcastle, United Kingdom

Dr. Vojislav Mihailović, Institute of Field and Vegetable Crops, Serbia

Prof. Dr. Giacomo Biagi, Faculty of Veterinary Medicine, University of Bologna, Italy

Prof. Dr. Stelios Deligeorgis, Aristotle University, Thessaloniki, Greece

Prof. Dr. Hasan Ulker, Turkey

Dr. Catalin Dragomir, National Research and Development Institute for Animal Biology and Nutrition (IBNA Balotesti), Balotesti, Ilfov, Romania

Dr. Zoran Lugić, Institute of forage Crops, Kruševac, Serbia

Publisher

Institute for Animal Husbandry, Belgrade-Zemun, Serbia

Editor-in-Chief

Milan M. Petrović, PhD, Principal Research Fellow

Director of the Institute for Animal Husbandry, Belgrade-Zemun

EDITORIAL BOARD

Editor

Zdenka Škrbić, PhD, Senior Research Associate

Institute for Animal Husbandry, Belgrade-Zemun

Section Editors

Animal Science

Vlada Pantelić, PhD, Senior Research Associate

Miloš Lukić, PhD, Senior Research Associate

Dragana Ružić-Muslić, PhD, Senior Research Associate

Dušica Ostojić-Andrić, PhD, Research Associate

Feed Science

Zorica Bijelić, PhD, Research Associate

Technology and Quality of Animal Products

Nikola Stanišić, PhD, Research Associate

Food safety and Veterinary Medicine Science

Aleksandar Stanojković, PhD, Research Associate

Language editor

Olga Devečerski, grad.prof

Address of the Editor's office

Institute for Animal Husbandry, Autoput 16, P. Box 23, 11080 Belgrade-Zemun, Republic of Serbia Tel. 381 11 2691 611, 2670 121; Fax 381 11 2670 164;

e-mail: biotechnology.izs@gmail.com; www.istocar.bg.ac.rs

Biotechnology in Animal Husbandry is covered by Agricultural Information Services (AGRIS) -Bibliographic coverage of abstracts; Electronic Journal Access Project by Colorado Altiance Research Libraries -Colorado, Denver; USA; Matica Srpska Library -Referral Center; National Library of Serbia; University Library "Svetozar Markovic", Belgrade, Serbia; EBSCO, USA; DOAJ and European Libraries

According to CEON bibliometrical analysis citation in SCI index 212, in ISI 9, impact factor (2 and 5) of journal in 2012: 0,667 and 0,467, - M51 category

Annual subscription: for individuals -500 RSD, for organizations 1200 RSD, -foreign subscriptions 20 EUR. Bank account Institut za stočarstvo, Beograd-Zemun 105-1073-11 Aik banka Niš Filijala Beograd.

Journal is published in four issues annually, circulation 100 copies.

The publication of this journal is sponsored by the Ministry of Education and Science of the Republic of Serbia.

Printed: "Mladost birošped", Novi Beograd, St. Bulevar AVNOJ-a 12, tel. 381 11 2601-506