

BIOTECHNOLOGY IN ANIMAL HUSBANDRY

CONTENTS

<i>A. Teneva, M.P. Petrović</i> APPLICATION OF MOLECULAR MARKERS IN LIVESTOCK IMPROVEMENT..... <i>L. Polichronova, G. Georgiev, A. Teneva, S. Chakarova, I. Chenchev</i> IMPROVED DIAGNOSTIC STRATEGY FOR FOOT-AND-MOUTH DISEASE IN BULGARIA..... <i>M. Bojanić Rašović, S. Mirecki, N. Nikolić, R. Rašović</i> THE INFLUENCE OF CHEMICAL COMPOSITION OF MILK ON YIELD OF SEMI-HARD CHEESE <i>N. Memišić, M. Žujović, Z. Tomić, M. P. Petrović²</i> INFLUENCE OF LACTATION ORDER AND LIVE WEIGHT ON MILK YIELD AND FERTILITY TRAITS IN DOMESTIC BALKAN GOAT <i>I. Pavlović, S. Ivanović, M. Žujović, Z. Tomić</i> GOAT CRYPTOSPORIDIOSIS AND ITS IMPORTANCE AT GOAT PRODUCTION PATHOLOGY <i>S. Ivanović, M. Žutić, I. Pavlović</i> PRESENCE OF LISTERIA MONOCYTOGENES AT GOATS..... <i>D. Runjaić-Antić, S. Pavkov, J. Lević</i> HERBS IN A SUSTAINABLE ANIMAL NUTRITION..... <i>O. M. Aly, M. M. Ahmed, S. M. Abdel-Rahman</i> MOLECULAR-PHENOTYPIC ANALYSIS AND EFFICIENCY OF CROSSING ON MEAT PRODUCTION IN LOCAL CHICKEN STRAINS..... <i>A. Llambiri, L. Papa, K. Kume</i> FARMING OF RABBIT LOCAL BREED AS AN ALTERNATIVE ACTIVITY ON SMALL SCALE FARMS IN ALBANIA..... <i>S. Kevrešan, S. Keleman, L. Perić, V. Strugar</i> THE EFFECT OF DIETARY SUPPLEMENTATION WITH DIFFERENT FORMS AND LEVELS OF ORGANIC CHROMIUM ON BROILERS MEAT QUALITY..... <i>M. Joksimović-Todorović, V. Davidović, Lj. Bokan</i> LEUKOCYTE PROFILE IN SOWS DURING LACTATION PERIOD..... <i>S. Dragin, P. Chrenek, B. Stančić, A. Božić, M. M. Petrović</i> EFFECT OF TRANSGENESIS ON QUALITY AND YIELD OF RABBIT MEAT	135 155 167 179 187 193 203 215 225 233 239 245 259 267 279
--	---

VOL 26, 3-4

Founder and publisher
INSTITUTE FOR
ANIMAL HUSBANDRY
11080 Belgrade-Zemun
Belgrade 2010

Journal for the Improvement of Animal Husbandry

UDC636

ISSN 1450-9156

BIOTECHNOLOGY IN ANIMAL HUSBANDRY

Belgrade - Zemun 2010

Editorial Council

Prof. dr Milica Petrović, President
Dr Ratimir Cmiljanić, Science Advisor
Prof. dr Vojislav Pavlović, full prof.
Dr Dragi Lazarević, Science Advisor

Prof. dr Zlatko Skalicki, full prof
Zvonko Milenković
Mr Miroslav Blagojević
Dr Stevan Perković, Science Advisor

Editor's Office

Prof. dr. Martin Wähner, Germany
Dr Branislav Živković, Serbia
Dr Marin Todorov, Bulgaria
Dr Milan M. Petrović, Serbia
Prof. Dr Gunnar Klemetsdal, Norway
Prof. Dr Dragan Glemočić, Serbia
Prof. Dr Vigilijus Jukna, Lithuania
Dr Elena Kistanova, Bulgaria

Prof. Dr Wladyslaw Migdal, Poland
Prof. Dr Colin Whitehead, United Kingdom
Dr Branislav Bobček, Slovak Republic
Prof. Dr Sandra Edwards, United Kingdom
Dr Vojislav Mihailović, Serbia
Dr Giacomo Biagi, Italy
Prof. dr Stelios Deligeorgis, Greece
Prof. dr Hasan Ulker, Turkey

On behalf of publisher

Stevica Aleksić, PhD, Science Advisor, Director of the Institute for Animal Husbandry, Belgrade-Zemun

Editor in Chief

Zlatica Pavlovski, PhD, Science Advisor, Institute for Animal Husbandry, Belgrade-Zemun

Deputy Editor in Chief

Zorica Tomić, PhD, Science Advisor, Institute for Animal Husbandry, Belgrade-Zemun

Editor

Vesna Krnjaja, PhD, Senior Scientist, Institute for Animal Husbandry, Belgrade-Zemun

Section Editors

Genetics and breeding

Milan P. Petrović, Ph.D, Science Advisor

Reproduction and management

Miroslav Žujović, Ph.D, Science Advisor

Nutrition and physiology of domestic animals

Ljiljana Sretenović, Ph.D, Science Advisor

Food safety, technology and quality of animal products

Stevica Aleksić, Ph.D, Science Advisor

Sustainability of feed production and ecology

Zorica Tomić, Ph.D, Science Advisor

Alternative production in livestock

Ratimir Cmiljanić, Ph.D, Science Advisor

Language editor

Olga Božić, grad. Prof.

Address of the Editor's office

Institute for Animal Husbandry, Belgrade-Zemun, 11080 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 -Referal Center; National Library of Serbia; University Library "Svetozar Markovic", Belgrade.

According to CEON bibliometrical analysis citation in SCI index 212, in ISI 9, impact factor (2 and 5) of journal in 2007: 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 three double issues. Circulation 100 copies.

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

Printed: "Mladost birošped", Novi Beograd, St. Bulevar AVNOJ-a 12, tel. 381 11 2019-837