

BIOTECHNOLOGY IN ANIMAL HUSBANDRY

CONTENTS

<i>V. Pantelić, S. Aleksić, P. Stojić, R. Đurđević, Lj. Samolovac, D. Janković, D. Nikšić</i>	
THE EFFECT OF BREEDING REGION AND YEAR ON MILK TRAITS OF SIMMENTAL BULL DAMS	287
<i>N. M'hamdi, R. Aloulou, S. K. Brar, M. Bouallegue, M. Ben Hamouda</i>	
PHENOTYPIC AND GENETIC PARAMETERS OF REPRODUCTIVE TRAITS IN TUNISIAN HOLSTEIN COWS.....	297
<i>Ž. Novaković, Lj. Sretenović, S. Aleksić, M. M. Petrović, V. Pantelić, D. Ostojić-Andrić, D. Nikšić</i>	
BODY CONDITION OF COWS IN PRODUCTION CYCLE	309
<i>A. Kuzelov, N. Nikolova K. Vasilev</i>	
EXPLORING POSSIBILITIES FOR QUALITY IMPROVEMENT OF MEAT RAW MATERIALS FROM CATTLE RUMINANT ANIMALS BY ENZYMATIC TREATMENT.....	319
<i>D. Ružić-Muslić, M.P. Petrović, Z. Bijelić, M. Žujović, P. Perišić, N. Maksimović</i>	
THE EFFECT OF LEVEL OF NON-DEGRADABLE PROTEIN IN DIET ON FATTENING PARAMETERS AND DIGESTIBILITY OF NUTRIENTS IN LAMBS	329
<i>A. Vasilachi, S. Pop, C. Dragomir, M. Vlassa, M. Filip</i>	
THE INFLUENCE OF REPLACING SLOW WITH RAPID STARCH IN GROWING RAMS' DIETS ON THE LEVEL OF RUMEN MICROBIAL PROTEOSYNTHESIS.....	339
<i>P. Todorova, Ts. Odzhakova, V. Kafedzhiev</i>	
EFFECT OF SUPPLEMENT OF SELENIUM AND IODINE ON BIOCHEMICAL STATUS OF SHEEP.....	347
<i>B. Živković, W. Migdal, O. Kosovac, Č. Radović, S. Pejić</i>	
THE EFFECT OF DIFFERENT PRE-MIXTURES IN NUTRITION OF FATTEETERS.....	353
<i>V. Sujatha, J. Pandurang Korde, S. K. Rastogi, A. K. Madan, S. Maini, K. Ravikanth</i>	
AMELIORATION OF OXIDATIVE STRESS IN BROILERS DURING SUMMER.....	361
<i>P.N. Onu</i>	
EVALUATION OF TWO HERBAL SPICES AS FEED ADDITIVES FOR FINISHER BROILERS.....	383
<i>S. Ivanović, M. Z. Baltić, N. Karabasil, S. Lilić</i>	
THE EFFECTS OF PROBIOTICS ON <i>CAMPYLOBACTER JEJUNI</i> AND <i>SAULMONELLA</i> SPP. WITH RESPECT TO THE MEAT AND THE ORGANS OF SLAUGHTERED CHICKENS.....	393
<i>V. Randjelović, S. Prodanović, Z. Tomić, Z. Bijelić</i>	
GENOTYPIC RESPONSE OF TWO SOYBEAN VARIETIES WITH REDUCED CONTENT OF KTI TO APPLICATION OF DIFFERENT NITROGEN LEVEL	403

VOL 26, 5-6

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 Devečerski, 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 2601-506