



**University of Montenegro
BIOTECHNICAL FACULTY**

**University of Montenegro
BIOTEHNIČKI FAKULTET**



Agriculture and Forestry Poljoprivreda i šumarstvo

3

Agriculture and Forestry, Volume 58, Issue 3, p 1-166, Podgorica 2012

UDC (UDK) 630/631, ISSN(Printed): 0554-5579, (Online):1800-9492

COBIS.CG-ID: 3758082 Web address: www.agricultforest.ac.me



AgriSciMont

International Conference:

**ROLE OF RESEARCH IN SUSTAINABLE
DEVELOPMENT OF AGRICULTURE
AND RURAL AREAS**

Podgorica, Montenegro
May 23-26, 2012

**Papers presented
at the Conference**



Agriculture and Forestry - Poljoprivreda i šumarstvo**PUBLISHER - IZDAVAČ**

University of Montenegro – Univerzitet Crne Gore
 Biotechnical faculty, Podgorica - Biotehnički fakultet, Podgorica
 Bul. M. Lalića 1, 81000 Podgorica, Crna Gora (Montenegro), P.Box 97,
 Tel.: +382 20 268431, +382 20 268437, Fax: +382 20 268432,
 Web: www.agricultforest.ac.me; E-mail: agricultforest@ac.me

EDITORIAL BOARD - REDAKCIJA

Velibor SPALEVIĆ, Editor in chief - *glavni i odgovorni urednik*

Miomir JOVANOVIĆ, General Secretary / Coeditor - *sekretar redakcije*

Milić ČUROVIĆ, Technical editor / Coeditor - *tehički urednik*

Igor PAJOVIĆ, Technical editor / Coeditor - *tehički urednik*

Natalija PEROVIĆ, Slavko MIJOVIĆ, Momčilo RADULOVIĆ,

Nataša MIRECKI, Božidarka MARKOVIĆ, Jelena LATINOVIĆ,

Radmila PAJOVIĆ, Aleksandra DESPOTOVIĆ, Milić ČUROVIĆ

Ardian MACI (ALB), Drago CVIJANOVIĆ (SRB), Emil ERJAVEC (SLO),

Franc BAVEC (SLO), Gordana KARAMAN (MNE), Elazar FALLIK (ISR),

Guangyu SUN (CHN), Hamid ČUSTOVIĆ (BIH), Ignacio Diaz-Maroto (ESP),

Lydia PEREVEDENTSEVA (RUS), Jasmina HAVRANEK (CRO),

Katja ŽANIĆ (CRO), Klaus MEYN (GER), Laura BOURIAUD (ROU),

Luiggi RICCIARDI (ITA), Lumturi PAPA (ALB), Mico O LJACA (SRB),

Mihailo NIKOLIĆ (SRB), Milan MEDAREVIC (SRB), Nágila SECUNDINO (BRA),

Naser SABAGHNIA (IRI), Naldo ANSELMINI (ITA), Nesreen AHMED SABRY (EGY),

Naveen KUMAR, (USA), Nebojša RALEVIĆ (SRB), Ordan CUKALIEV (MKD),

Paraskevi LONDRA (GRE), Radomir RADOVANOVIĆ (SRB),

Sead ŠABANADŽOVIĆ (USA), Vojislav TRKULJA (BIH), Zhiyong MA (CHN),

Zvonimir BOŽINOVIĆ (MKD).

Journal "Agriculture and forestry" is co-financed by:

Ministry of Science of Montenegro

Ministry of Agriculture and Rural Development of Montenegro

FP7 REGPOT 2010-5 Project:

"Fostering a Science-based Development of a sustainable Montenegrin Agriculture - AgriSciMont"

Časopis „Poljoprivreda i šumarstvo” sufinansiraju:

Ministarstvo nauke Crne Gore i

Ministarstvo poljoprivrede i ruralnog razvoja Crne Gore

FP7 REGPOT 2010-5 projekta:

"Fostering a Science-based Development of a sustainable Montenegrin Agriculture - AgriSciMont"

CIP – Каталогизација у публикацији

Централна народна библиотека Црне Горе, Цетиње

ISSN 0554-5579

COBIS.CG-ID 3758082

CONTENT / SADRŽAJ

<i>Velibor SPALEVIC, Will MAHONEY, Nevenka DJUROVIC, Neše ÜZEN and Milic CUROVIC</i> CALCULATION OF THE SOIL EROSION INTENSITY AND MAXIMUM OUTFLOW FROM THE ROVACKI RIVER BASIN, MONTENEGRO	7
<i>Milica ACIMOVIC, Snezana OLJACA, Vele TESEVIC, Marina TODOSIJEVIC, Mico OLJACA and Vukasin SVIRACEVIC</i> ANNUAL CARAWAY ESSENTIAL OIL COMPOSITION GROWN IN ORGANIC AND CONVENTIONAL GROWING SYSTEMS	23
<i>Doriana BODE, Efigjeni KONGJIKA, Skerdilaid XHULAJ</i> USE OF BIOTECHNOLOGIES METHODS IN MULTIPLICATION OF NATIVE PRUNUS SP. GERMPLASM.....	29
<i>Oleg N. Ezhov, Ivan V. Zmitrovich and Roman V. Ershov</i> NEW RECORDS OF WOOD-ROTTING BASIDIOMYCETES IN THE BOREAL FORESTS OF THE EASTERN EUROPEAN NORTH, ARKHANGELSK REGION, RUSSIA	39
<i>Aleksandra FIGUREK, Gordana ROKVIC, Zeljko VASKO</i> DIVERSIFICATION OF THE RURAL ECONOMY AS A FUNCTION OF THE SUSTAINABILITY OF RURAL AREAS	51
<i>Gordan S. KARAMAN</i> INVESTIGATIONS ON TWO SUBTERRANEAN SPECIES OF THE FAMILY NIPHARGIDAE (GAMMARIDEA) FROM SERBIA, NIPHARGUS REMYI S. KAR. 1934 AND N. EUSERBICUS, SP. N. (CONTRIBUTION TO THE KNOWLEDGE OF THE AMPHIPODA 266).....	63

OGISI, O.D., EGWARE, R.A. and AKALUSI, E.O. AN ANALYSIS OF THE STRUCTURE, CONDUCT AND PERFORMANCE OF GARRI MARKET IN ETHIOPE-WEST LOCAL GOVERNMENT AREA OF DELTA STATE, NIGERIA	97
<i>Marina NONIC, Jovana DEVETAKOVIC,</i> <i>Mirjana SIJACIC-NIKOLIC, Jelena MILOVANOVIC</i> YIELD VARIABILITY AS A BASIS FOR CONSERVATION AND DIRECTED UTILIZATION OF EUROPEAN WHITE ELM (<i>Ulmus effusa</i> Willd.) GENE POOL AT GREAT WAR ISLAND	105
<i>Mirjana OCOKOLJIĆ, Dragica VILOTIĆ, Mirjana ŠIJAIĆ-</i> <i>NIKOLIĆ, Đurđa STOJIČIĆ and Mirjana MILENKOVIĆ</i> PAULOWNIA PLANTATION ESTABLISHMENT IN MEDITERRANEAN AND SUBMEDITERRANEAN REGIONS OF MONTENEGRO WITH THE GOAL OF SUSTAINABLE ECONOMIC DEVELOPMENT	115
<i>Lumturi PAPA, Kristaq KUME</i> THE RESULTS OF IDENTIFICATION AND CHARACTERISATION OF THE DONKEY POPULATION IN ALBANIA.....	125
<i>Ana M.VUJOŠEVIĆ, Mihajlo B. TOŠIĆ, Nada S. LAKIĆ, Jelena D.</i> <i>NIKOLIĆ, Vladimir D. ŽIVANOVIĆ, Srđan D. MATIJAŠEVIĆ,</i> <i>Snežana N. ZILDŽOVIĆ, Bogoljub LJ. ZEČEVIĆ</i> POSSIBILITY OF APPLICATION OF PHOSPHATE GLASS IN THE PRODUCTION OF PEPPER (<i>Capsicum annum</i> L.).....	135
<i>Klementina PUTO</i> IMPACT OF THE WATER QUALITY OF THE ERZENI RIVER ON THE MICROBIAL SAFETY OF FRESH VEGETABLES	149
INSTRUCTIONS TO AUTHORS	163