



Agriculture and Forestry Poljoprivreda i šumarstvo

3

Agriculture & Forestry, Volume 61. Issue 3: 1-247. Podgorica, 2015

UDC (UDK) 630/631, ISSN 0554-5579 (Printed), ISSN 1800-9492 (Online)
COBIS.CG-ID: 3758082 www.agricultforest.ac.me

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 268434; +382 20 268437; Fax: +382 20 268432

Web: www.agricultforest.ac.me; E-mail: agricultforest@ac.me

EDITORIAL BOARD - REDAKCIJA

Milić ČUROVIĆ, Editor in chief - glavni i odgovorni urednik (BTF),

Miomir JOVANOVIĆ, Co-Editor, Secretary General - sekretar redakcije (BTF),

Igor PAJOVIĆ, Co-Editor, Technical editor - tehički urednik (BTF),

Luka FILPOVIĆ, Technical editor - tehički urednik (CIS, UCG)

Ana TOPALOVIĆ (BTF), Slavko MIJOVIĆ (BTF), Momčilo RADULOVIĆ (BTF),
Nataša MIRECKI (BTF), Božidarka MARKOVIĆ (BTF), Jelena LATINOVIĆ (BTF),
Radmila PAJOVIĆ (BTF), Aleksandra DESPOTOVIĆ (BTF)

Ardian MACI (ALB), Che Fauziah ISHAK (MYS), Drago CVIJANOVIĆ (SRB),

Dusan KOVACEVIC (SRB), Dusan PETRIC (SRB), Elazar FALLIK (ISR),

Emil ERJAVEC (SLO), Franc BAVEC (SLO), Goran BAROVIC (MNE),

Gordan KARAMAN (MNE), Guangyu SUN (CHN), Hamid CUSTOVIC (BIH),

Hubert HASENAUER (AUT), Ignacio DIAZ-MAROTO (ESP),

Jasmina HAVRANEK (CRO), Joachim Müller (GER),

Juan Antonio Ballesteros Canovas (CH), Lydia PEREVEDENTSEVA (RUS),

Mico OLJACA (SRB), Mihailo NIKOLIĆ (SRB), Milan MEDAREVIC (SRB),

Naser SABAGHNIA (IRI), Naldo ANSELMI (ITA), Naveen KUMAR, (USA),

Paraskevi LONDRA (GRE), Peter DOVC (SLO), Reinhard EDER (AUT),

Renzo MOTTA (ITA), Sead ŠABANADŽOVIĆ (USA), Sinisa BERJAN (BIH),

Shkelqim KARAJ (GER), Svetislav POPOVIC (MNE), Vlatka VAJS (SRB),

Vjekoslav TANASKOVIC (MKD), Vojislav TRKULJA (BIH),

Zvonimir BOŽINOVIC (MKD)

Indexed in (by alphabetical order): AGRICOLA, AGRIS, CAB Abstracts, CAB Direct, CABI full text, COBISS, CrossRef, DOI, DOAJ, Directory of Research Journal Indexing (DRJI), Directory Indexing of International Research Journals, EBSCO (currently included in EDS EBSCO Discovery Service), Elektronische Zeitschriftenbibliothek EZB (Electronic Journals Library), Genamics JournalSeek, Global impact factor (GIF), Google Scholar, HathiTrustt, Index Copernicus, International Scientific Indexing (ISI), Israel Union List of Electronic Journals (ULE), J-Gate, JournalRate (Academic journal search tool), Journals Impact factor (JIF) by Global Society for Scientific Research (GSSR), KoBSON, MALMAD, National Agricultural Library – USA, ProQuest, Research bible, RoMEO, Regional Information Center for Science and Technology (RICeST) – Iran, Rubriq database, The Open University Library, The Rudjer Bošković Institute Library, Ulrichsweb, Universal Impact Factor, WorldCat, XML, Zeitschriftendatenbank (ZDB), Zoological Record of the Thomson Reuters, ...

The journal “Agriculture and Forestry” is funded by the Biotechnical faculty, Co-funded by the Architecture Faculty of the University of Montenegro, the Ministry of Science & the Ministry of Agriculture and Rural Development of Montenegro

CIP – Каталогизација у публикацији

Централна народна библиотека Црне Горе, Цетиње

ISSN 0554-5579

COBIS.CG-ID 3758082

CONTENT

<i>Damjan PANTIC, Matthias DEES, Marko MARINKOVIC, Bojan TUBIC, Dragan BOROTA, Zoran TOMOVIC</i>	
- DYNAMIC PROGRAMMING APPROACH TO ADDRESSING CHALLENGES IN FOREST MANAGEMENT	007-018
 <i>Mohsen JANMOHAMMADI, Naser SABAGHNIA, Amin AHADNEZHAD</i>	
- IMPACT OF SILICON DIOXIDE NANOPARTICLES ON SEEDLING EARLY GROWTH OF LENTIL (LENS CULINARIS MEDIK.) GENOTYPES WITH VARIOUS ORIGINS	019-033
 <i>Branimir URLIC, Marko RUNJIC, Gvozden DUMICIC</i>	
- OLIVE-MILL WASTE COMPOST AS A PEAT SUBSTITUTE IN LEAFY VEGETABLES TRANSPLANTS PRODUCTION.....	035-042
 <i>Dragutin DJUKIC, Leka MANDIC, Slavica VESKOVIC, Ivana KAPOR</i>	
- CORRELATION BETWEEN FERTILIZER TYPE AND RATE, UREASE ACTIVITY AND TOTAL NITROGEN AND AMMONIUM NITROGEN CONTENTS IN A CHERNOZEM SOIL UNDER WHEAT.....	043-051
 <i>Cumali ÖZASLAN, Songül GÜRSOY</i>	
- THE EFFECT OF CONVENTIONAL AND REDUCED TILLAGE SYSTEMS ON GRAIN YIELD AND WEED SPECIES DENSITY IN COMMON VETCH (VICIA SATIVA L.).....	053-059
 <i>Ivica BOSKOVIC, Sinisa OZIMEC, Marcela SPERANDA, Nikica SPREM, Drazen DEGMECIC, Milic CUROVIC, Velibor SPALEVIC and Tihomir FLORIJANCIC</i>	
- MORPHOMETRIC CHARACTERISTICS OF THE GOLDEN JACKAL POPULATIONS IN EASTERN CROATIA AND EASTERN SERBIA	061-068
 <i>Segun O. OLADELE</i>	
- MYCORRHIZAL FUNGUS (GLOMUS MOSSAE) INOCULATION EFFECTS ON PERFORMANCE AND ROOT BIOMASS DEVELOPMENT OF CACAO SEEDLINGS IN THE NURSERY	069-076
 <i>Cosmin SALASAN, Dusan PETRIC, Romeo BELLINI, Ljiljana PAJOVIC, Miomir JOVANOVIC, Aleksandra DESPOTOVIC and Igor PAJOVIC</i>	
- URBAN SOCIAL ANALYSIS AND OPPORTUNITY ASSESSMENT OF NATIONAL SYSTEM FOR MOSQUITO MONITORING IN MONTENEGRO	077-086

<i>Jelena ZUGIC,</i>	
<i>Ilija GOJOVIC and Mladen PERAZIC</i>	
- STRATEGIC APPROACH TO THE PROMOTION OF PROTECTED AREAS	087-100
<i>Mahdi FARAVANI, M H KHAN,</i>	
<i>Barat Ali GHOLAMI, Gholam Ali QAZANCHIAN, Davood Ali SAGHI</i>	
- VARIABILITY STUDIES OF SOME BLACK CARAWAY (Bunium persicum BIOSS. FEDTS) ACCESSIONS ACROSS	101-110
<i>Nikola LJILJANIC, Snezana JANKOVIC,</i>	
<i>Zoran RAJIC, Nebojsa RALEVIC, Sveti RAKIC</i>	
- WHEAT PRODUCTION ANALYSIS BY USING ECONOMETRIC MODELS	111-117
<i>Leila AMJAD, Houshang NOSRATI,</i>	
<i>Fariborz ZAARE, Gholamreza DEHGHAN,</i>	
<i>Mohamadali HUSAINPOURFAZI, Sayd-yahya SALEHI</i>	
- A NOVEL BETAINE ALDEHYDE DEHYDROGENASE GENE FROM <i>Medicago sativa</i> AND ITS EXPRESSION UNDER SALINITY	119-133
<i>Sladjana GVOZDENOVIC, Milica MANDIC,</i>	
<i>Dragana DRAKULOVIC, Aleksandar JOKSIMOVIC</i>	
- THE SHELLFISH BIOTOXINS	135-142
<i>Hossein SADEGHI, Hossein HEIDARI SHARIFABAD,</i>	
<i>Aidin HAMIDI, Ghorban NOURMOHAMMADI, Hamid MADANI</i>	
- EFFECTS OF AIR TEMPERATURE DURING SOYBEAN SEED FILLING ON SEED QUALITY	143-152
<i>Dragoljub MITROVIC, Radisav DUBLJEVIC,</i>	
<i>Nebojsa DJORDJEVIC, Velibor SPALEVIC, Dijana STIJEPOVIC</i>	
- ENERGY USE IN MECHANIZED PRODUCTION OF SILAGE	153-160
<i>Arash MOKHTARI,</i>	
<i>Mahmoud OTROSHY and Tayebeh BAREKAT</i>	
- PLANT REGENERATION THROUGH CALLUS INDUCTION ON MEDICINAL HERB <i>VIOLA ODORATA</i> - ROLE OF PLANT GROWTH REGULATORS AND EXPLANTS	161-170
<i>Vesna DRAGIČEVIĆ, Branka KRESOVIĆ,</i>	
<i>Živorad VIDENOVIĆ, Igor SPASOJEVIĆ, Milena SIMIĆ</i>	
- FITTING CROPPING TECHNOLOGY IN A CHANGING CLIMATE	171-180
<i>Mohtasham MOHAMMADI, Peyman SHARIFI,</i>	
<i>Rahmatollah KARIMIZADEH, Jabbar ALT JAFARBY,</i>	
<i>Hasan KHANZADEH, Tahmaseb HOSSEINPOUR,</i>	
<i>Mohammad Mahi POURSIABIDI, Mozafar ROUS</i>	
- STABILITY OF GRAIN YIELD OF DURUM WHEAT GENOTYPES BY AMMI MODEL.....	181-193

<i>Halil Barış ÖZEL, Erol KIRDAR, Nebi BİLİR</i>	
- THE EFFECTS OF MAGNETIC FIELD ON GERMINATION OF THE SEEDS OF ORIENTAL BEECH (<i>Fagus orientalis Lipsky.</i>) AND GROWTH OF SEEDLINGS	195-206
<i>Alireza ESLAMI, Seyed Mohamad Taghi HOSEINI</i>	
- THE DYNAMICS OF DIFFERENT DEVELOPMENTAL STAGES IN NATURAL ORIENTAL BEECH (<i>Fagus orientalis LIPSKY</i>) STANDS IN NORTHERN IRAN	207-217
<i>Maja VUJČIĆ, Jelena TOMIĆEVIĆ-DUBLJEVIĆ, Dragica OBRATOV-PETKOVIĆ, Mirjana OCOKOLJIĆ</i>	
- INFLUENCE OF MEDICAL PLANTS ON HUMAN HEALTH AND URBAN ENVIRONMENT	219-226
<i>Ana CVETANOVSKA, Ivana JOVANOVSKA-KLINCARSKA, Radmila CRCEVA NIKOLOVSKA, Zehra HAJRULAI-MUSLIU, Lenka CVETANOVSKA</i>	
- PRODUCTION OF PRIMARY BIOMOLECULES IN DIFFERENT VARIETIES OF ORIENTAL TOBACCO (<i>Nicotiana Tabacum L.</i>).....	227-232
<i>Goran BAROVIC, Marx LEANDRO NAVES SILVA, Pedro VELOSO GOMES BATISTA, Dusko VUJACIC, Walisson SOARES SOUZA, Junior CESAR AVANZI, Morteza BEHZADFAR and Velibor SPALEVIC</i>	
- ESTIMATION OF SEDIMENT YIELD USING THE IntErO MODEL IN THE S1-5 WATERSHED OF THE SHIRINDAREH RIVER BASIN, IRAN	233-243
Instructions to authors.....	245-247