BOOK OF ABSTRACTS

AgroSym

VIII International Scientific Agriculture Symposium
Jahorina, October 05-08, 2017





agrosym 2017

Impressum

VIII International Scientific Agriculture Symposium „AGROSYM 2017"

Book of Abstracts Published by

University of East Sarajevo, Faculty of Agriculture, Republic of Srpska, Bosnia
University of Belgrade, Faculty of Agriculture, Serbia
Mediterranean Agronomic Institute of Bari (CIHEAM - IAMB) Italy
International Society of Environment and Rural Development, Japan
Regional Rural Development Standing Working Group (SWG) in Southeastern Europe, Macedonia
Balkan Environmental Association (B.EN.A), Greece
University of Applied Sciences Osnabrück, Germany
Perm State Agricultural Academy, Russia
Voronezh State Agricultural University named after Peter The Great, Russia
Centre for Development Research, University of Natural Resources and Life Sciences (BOKU), Austria
Selçuk University, Turkey
University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
University of Valencia, Spain
Faculty of Agriculture, Cairo University, Egypt
Tarbiat Modares University, Iran
Higher Institute of Agronomy, Chott Mariem-Sousse, Tunisia
Faculty of Economics Brcko, University of East Sarajevo, Bosnia and Herzegovina
Biotechnical Faculty, University of Montenegro, Montenegro
Institute of Field and Vegetable Crops, Serbia
Institute of Lowland Forestry and Environment, Serbia
Institute for Science Application in Agriculture, Serbia
Agricultural Institute of Republic of Srpska - Banja Luka, Bosnia and Herzegovina
Maize Research Institute "Zemun Polje", Serbia
Faculty of Agriculture, University of Novi Sad, Serbia
Institute for Animal Science, Ss. Cyril and Methodius University in Skopje, Macedonia
Academy of Engineering Sciences of Serbia, Serbia
Balkan Scientific Association of Agricultural Economics, Serbia
Institute of Agricultural Economics, Serbia

Editor in Chief

Dusan Kovacevic

Tehnical editors

Sinisa Berjan
Milan Jugovic
Noureddin Driouech
Rosanna Quagliariello

http://www.agrosym.rs.ba

CIP - Каталогизација у публикацији
Народна и универзитетска библиотека
Републике Српске, Бања Лука

631(048.3)(0.034.2)

INTERNATIONAL Scientific Agricultural Symposium "Agrosym 2017" (8 ; Jahorina)
Book of Abstracts [Elektronski izvor] / VIII International Scientific Agriculture Symposium "Agrosym 2017", Jahorina, October 05 - 08, 2017 ; [editor in chief Dušan Kovačević]. - East Sarajevo =Istočno Sarajevo : Faculty of Agriculture =Poljoprivredni fakultet, 2017. - 1 elektronski optički disk (CD-ROM) : tekst, slika ; 12 cm

CD ROM čitač. - Nasl. sa nasl. ekrana. - Registar.

ISBN 978-99976-632-9-0

COBISS.RS-ID 6803480

GREENPRENEURSHIP AT THE BASE OF THE PYRAMID: A SMALL SCALE COMMUNITY-BASED AFFORESTATION PROJECT IN INDONESIA

Soeleman SUGIHARTO 1397

CORRELATION BETWEEN CLIMATE VARIABLES AND GROWTH OF PEDUNCULATE OAK (*QUERCUS ROBUR* L.)

Lazar KESIĆ, Srđan STOJNIĆ, Dejan STOJANOVIĆ 1398

CHARACTERISTICS AND INITIAL EFFECTS OF THINNING IN A POPLAR PLANTATION OF THE PANNONIA CLONE

Siniša ANDRAŠEV, Martin BOBINAC, Vladislava GALOVIĆ 1399

CHARACTERISTICS OF THE INCREMENTS OF SPRUCE TREES IN THE PERIOD FROM 32 TO 50 YEARS AFTER THE APPLICATION OF TWO HEAVY SELECTIVE THINNINGS

Siniša ANDRAŠEV, Martin BOBINAC, Andrijana BAUER-ŽIVKOVIĆ, Nikola ŠUŠIĆ 1400

MORPHOLOGICAL CHARACTERISTICS AND VARIABILITY OF THE SEEDLINGS OF THE SYCAMORE MAPLE (*ACER PSEUDOPLATANUS* L.)

Vladan POPOVIĆ, Tatjana ĆIRKOVIĆ-MITROVIĆ, Ljiljana BRAŠANAC-BOSANAC, Ljubinko RAKONJAC, Aleksandar LUČIĆ 1401

EVALUATION OF SOME RUNOFF AND PHYSICOCHEMICAL PARAMETERS IN AN ALCALINE STREAM OF SCOTS PINE FOREST

Ibrahim YURTSEVEN 1402

ADAPTATION OF SOME TREE SPECIES TO URBAN ENVIRONMENT (PLOVDIV, BULGARIA)

Ekaterina VALCHEVA, Vladislav POPOV, Plamen MARINOV-SERAFIMOV, Irena GOLUBINOVA, Bogdan NIKOLOV, Iliana VELCHEVA, Slaveya PETROVA 1403

TWO SIDES OF THE GOLDEN JACKAL: ITS CONTROVERSIAL ROLE IN SOUTHWESTERN HUNGARY

Agnes CSIVINCSIK, Zsuzsanna RÓNAI, Szilárd SZABÓ, Tamás BALOG, Gábor NAGY 1404

ISSUES ASSOCIATED WITH THE EXISTENCE OF FICUS MICROCARPA IN COMPOUND FARMS AND BUSHES AT NNOBI, SOUTHEASTERN NIGERIA

Ifeanyi C. OKOLI, Chukwuma C. ACHONWA, Martin C. UCHEGBU, Ebube OBICHIRI, Ibrahim H. KUBKOMAWA 1405

THE SELENIUM CONTENT OF AMANITA SPECIES FROM SAMANLI MOUNTAIN OF MARMARA REGION (TURKEY)

Murad Aydın ŞANDA, Hasan Hüseyin DOGAN 1406

APIARY INTERACTIONS WITH FRUIT CULTIVARS IN COMPARATIVE AGRO-ECOLOGICAL CONDITIONS BETWEEN THE UNITED STATES AND BOSNIA HERZEGOVINA

EVALUATION OF SOME RUNOFF AND PHYSICOCHEMICAL PARAMETERS IN AN ALCALINE STREAM OF SCOTS PINE FOREST

Ibrahim YURTSEVEN

Istanbul University Faculty of Forestry, Department of Watershed Management 34473 Bahçeköy, İstanbul, Turkey
*Corresponding author: ibrahimy@istanbul.edu.tr

Abstract

This study contains evaluating runoff and physicochemical parameters data from some different tributaries of Oltu stream and it has been provided by interpreting Pearson correlation analysis. The watersheds dominated by Scots pine (*Pinus sylvestris* L.) In the data set used in the study, runoff (Q), water temperature (WT), pH, electric conductivity (EC), sodium (Na^{+}), potassium (K^{+}), calcium(Ca^{2+}) and magnesium (Mg^{2+}), carbonate (CO_3^{2-}), bicarbonate(HCO_3^{-}), chloride (Cl^{-}), sulfate (SO_4^{2-}), sodium absorption factor (SAR), and boron (B) concentration results of measurements were present. Correlation analysis were explained to relations between hydrologic and physiochemical parameters. According to the results of the analysis, some strong negative relations between the runoff and some other parameters (electric conductivity, sodium, chloride, sulfate, sodium absorption factor, and boron concentration) were found. The runoff and salinity have been found as hydrochemical parameters working as the key consideration. The physicochemical characterization of Oltu stream might be strongly influenced by the soil-water interaction. Besides, the dilution effect was shown in Oltu stream which has characterized snowmelt-dominated stream.

Keywords: *Runoff and physicochemical parameters, Oltu stream, Dilution effect.*