

**ZEMLJIŠTE I BILJKA –
SOIL AND PLANT**



ZEMLJIŠTE I BILJKA – SOIL AND PLANT, Vol. 64, No. 2, 2015

BEOGRAD, 2018

ZEMLJISTE I BILJKA

SOIL and PLANT – ПОЧВА и РАСТЕНИЕ

Editor -in-chief

Dr. Elmira R. SALJNIKOV
Soil Science Institute, Belgrade, Serbia

Honorary Editor

Dr. Gligorije M. ANTONOVIĆ, Belgrade, Serbia

Editorial Assistants

Dr. Olivera STAJKOVIĆ, MSc. Darko JARAMAZ, MSc. Sonja Tošić

Editorial Board

BELIĆ Milivoj, Belgrade, SERBIA
ZDRAVKOVIĆ Milan, Belgrade, SERBIA
ANTIĆ MLADENOVIĆ Svetlana, Belgrade, SERBIA
BALGABAEV Alimbai, Almaty, KAZAKHSTAN
BANEV Martin, Sofia, BULGARIA
ČAKMAK Dragan, Belgrade, SERBIA
DAJIĆ STEVANOVIĆ Yora, Belgrade, SERBIA
DJORDJEVIĆ Aleksandar, Belgrade, SERBIA
DJUROVIĆ Nevenka, Belgrade, SERBIA
FUNAKAWA Shinja, Kyoto University, JAPAN
JOŠIĆ Dragana, Belgrade, SERBIA
KNEŽEVIĆ Mirko, Podgorica, MONTENEGRO
KOVAČEVIĆ Dušan, Belgrade, SERBIA
LAVRISHCHEV Anton, St.Petersburg, RUSSIA
LITVINOVICH Andrey, St. Petersburg, RUSSIA
MARINKOVIC Dusan, North Victoria, AUSTRALIA
MARKOVIĆ Mihajlo, Banja Luka, BOSNIA and HERCEGOVINA
NEŠIĆ Ljiljana, Novi Sad, SERBIA
NIKOLOV Boris, Sofia, BULGARIA
PACHIKIN Konstantin, Almaty, KAZAKHSTAN
PAVLOVIĆ Pavle, Belgrade, SERBIA
RADMANOVIĆ Svetlana, Belgrade, SERBIA
RAHIMGALIEVA Saule, Uralsk, KAZAKHSTAN,
RAMAZANOVA Raushan, Astana, KAZAKHSTAN
RESULOVIĆ Husnija, Sarajevo, BOSNIA and HERZEGOVINA
Van ENGELEN Vinsent, Wageningen, GERMANY
VORONINA Lyudmila, Moscow, RUSSIA
VOULGAROPOULOS Anastasios, Thessaloniki, GREECE

PUBLISHER: Serbian Soil Science Society, Teodora Drajzera 7, Belgrade 11000 Serbia
IZDAJE: Srpsko Društvo za Proučavanje Zemljišta, Teodora Drajzera 7, Beograd 11000 Srbija
Printed by Akademska izdanja, Zemun, Serbia

CIP – Каталогизacija y publikaciji
Народна библиотека Србије, Београд
631

ZEMLJISTE I BILJKA = Soil and Plant = Почва и растеније/Editor-in-Chief
Elmira R. Saljnikov – God. 1, br. 1 (maj 1952) – Beograd – Zemun (Nemanjina 6): Srpsko
društvo za proučavanje zemljišta,
1952 – (Zemun Akademska izdanja). – 24 cm. -

Dva puta godišnje.

ISSN 0514-6658 = Zemljište i biljka (štampano izd.)

ISSN 2560-4279 = Zemljište i biljka (online izd.)

COBISS.SR-ID 338701

Official journal of the Serbian Soil Science Society

Editorial office: 11000 Belgrade, Teodora Drajzera 7; editor.zib@gmail.com

URL: <http://www.sdpz.rs/index.php/sr-yu/casopis-zemljiste-i-biljka#zemljiste-i-biljka---soil-and-plant>

**ALFALFA GROWTH ON ACID SOIL AS INFLUENCED BY CALCIFICATION AND
ENSIFER STRAINS INOCULATION** Olivera Stajković-Srbinović, Dušica Delić, Nataša
Rasulić, Aneta Buntić, Djordje Kuzmanović, Ljiljana Kostić-Kravljanac, Biljana
Sikirić.....1-8

**INFLUENCE OF SPRAY DRYING TECHNIQUE ON SURVIVAL OF
BRADYRHIZOBIUM ONTO SODIUM ALGINATE BASED CARRIERS** Aneta V.
Buntić, Olivera S. Stajković-Srbinović, Nataša V. Rasulić, Djordje Ž. Kuzmanović, Dušica I.
Delić, Suzana I. Dimitrijević-Branković.....9-16

**EFFECT OF FALLOWING ON SOIL ORGANIC MATTER CHARACTERISTICS ON
WHEAT MONOCULTURE IN ARID STEPPES OF NORTHERN KAZAKHSTAN** Elmira
Saljnikov, Saule Rahimgalieva, Aigul Raymbek, Sonja Tomic, Vesna Mrvic, Biljana Sikiric,
Konstantin Pachikin.....17-26

**IMPACT OF DIFFERENT REDOX CONDITIONS ON THALLIUM
(IM)MOBILIZATION IN SOIL (SERBIA)** Svetlana Antić-Mladenović, Mirjana Kresović,
Jörg Rinklebe, Tina Frohne, Hans-Joachim Stärk, Vlado Ličina.....27-41