



Bulgarian Soil Science Society

**BULGARIAN
JOURNAL
OF SOIL
SCIENCE®**

2017

Volume 2

Issue 2

e-ISSN: 2534-8787

ISSN: 2367-9212

BULGARIAN JOURNAL OF SOIL SCIENCE®

(Peer Reviewed Open Access Journal)

Published by Bulgarian Soil Science Society

Editor-in-Chief
Prof. Metodi Teoharov

Executive-Editor
Prof. Irena Atanassova

Editorial Board

Prof. Rattan Lal
Prof. Rainer Horn
Prof. Evgeny Shein
Prof. Pandi Zdruli
Prof. Milan Mesič
Prof. Dimitranka Stoycheva
Prof. Zornitza Popova
Prof. Radka Donkova

Prof. Ludmila Malinova
Assoc. prof. Zdravka Petkova
Assoc. prof. Rada Povova
Assoc. prof. Milena Kercheva
Assoc. prof. Neli Gadzhalska
Assoc. prof. Toma Shishkov
Assoc. prof. Katerina Doneva

Technical Editor - Pre-print - Web Support
Asst. prof. Biser Hristov



The Executive Board of the Bulgarian Soil Science Society has decided to begin publishing Bulgarian Journal of Soil Science in relation to the International Year of Soils 2015, as a web-based, free, and open-access international scientific journal. The Editorial Advisory Board consists of European researchers and specialists in the field of soil science and other related sciences.

We are confident that Bulgarian Journal of Soil Science will unite the research of specialists and scientists in soil science from all over the world, as well as help them in the processes of their scientific integration. Bulgarian Journal of Soil Science is an international open-access, web-based scientific journal dedicated to the publication and discussion of high-quality research in the field of soil sciences. Bulgarian Journal of Soil Science publishes scientific research that contributes to the understanding of soil and its interaction with humans and the entire Earth system. The scope of the journal includes all topics relevant to the study of soil science as a discipline. The journal publishes original papers in specific topic sections on global and regional, theoretical and experimental studies concerning the problems of genesis, geography, physics, chemistry, biology, fertility, management, conservation, and remediation of soils.

Author instructions can be found on the official webpage and in the journal.

<http://www.bsss.bg/Journal.html> e-mail:journal@bsss.bg e-ISSN: 2534-8787 ISSN: 2367-9212

BULGARIAN JOURNAL OF SOIL SCIENCE®

CONTENTS

VOLUME : 2

ISSUE : 2

PAGES : 87 - 151

Soil Science and Human Society

- 1 Soil, Earth and People - Our Care and Responsibility 89 – 98
Metodi Teoharov, Biser Hristov

Soil Classification and Diagnostics

- 2 Criteria for Identification and Diagnostics of Sandy Soils in Bulgaria 99 – 105
Ivaylo Kirilov, Metodi Teoharov

Radioecology

- 3 Research on the Content of Natural Radionuclides in Soils Damaged by Natural and Anthropogenic Processes 106 – 111
Radoslava Lazarova, Ivanka Yordanova, Donka Staneva

Micronutrients Content

- 4 Horizon Differences in Micronutrient Contents of Soils of the Coastal Plain Sands in Imo State, South-East Nigeria, Micronutrient Contents of Pedons formed under Coastal Plain Sands 112 – 122
Chioma Mildred Ahukaemere, Donald Nweze Osujieke, Bernardine Ngozi Ndukwu

Agro-chemistry and Soil Fertility

- 5 Fertility of Soils over Loess in the Danubian Plain 123 – 132
Biser Hristov, Ivona Nikova, Natalya Andreeva

Parameterization of Soil Characteristics

- 6 Statistical Assessment of Fluvisols in “Gladino” Gravel Quarry, Chelopechene, Bulgaria 133 – 147
Vladimir Ilinkin, Peter Zhelev, Dimitar Dimitrov

- Instructions for Authors 148 – 151