

# Contents

---

---

Vol. 50, No. 5, 2017

A simultaneous English language translation of this journal is available from Pleiades Publishing, Ltd.  
Distributed worldwide by Springer. *Eurasian Soil Science* ISSN 1064-2293.

---

---

## Genesis and Geography of Soils

- Agrogenic Evolution of Automorphic Chernozems in the Forest-Steppe Zone  
(Belgorod Oblast)  
*Yu. G. Chendev, O. S. Khokhlova, and A. L. Alexandrovskiy* 499
- Relationships between Parameters of the Humus Status of Forest and Meadow Soils  
and Their Altitudinal Position on the Main Crimean Range  
*I. V. Kostenko* 515
- Dynamics of Peat Plateau near the Southern Boundary  
of the East European Permafrost Zone  
*A. V. Pastukhov, T. I. Marchenko-Vagapova, D. A. Kaverin,  
S. P. Kulizhskii, O. L. Kuznetsov, and V. S. Panov* 526
- Modern and Buried Soils of Kurgans in the Forest-Steppe Zone  
of the Middle Volga Region (by the Example of Komintern I Kurgan)  
*S. P. Lomov, A. V. Lyganov, A. A. Khisyametdinova,  
I. N. Spiridonova, and N. N. Solodkov* 539
- 

## Soil Chemistry

- Effect of the Storage Conditions of Soil Samples on Carbon and Nitrogen Extractability  
*M. I. Makarov, E. Yu. Kuznetsova, T. I. Malysheva, M. N. Maslov, and O. V. Menyailo* 549
- Changes in Carbon Pool and CO<sub>2</sub> Emission in the Course of Postagrogenic Succession  
on Gray Soils (Luvic Phaeozems) in European Russia  
*D. V. Karelin, S. V. Goryachkin, A. V. Kudikov, V. O. Lopes de Gerenu,  
V. N. Lunin, A. V. Dolgikh, and D. I. Lyuri* 559
- 

## Soil Biology

- Soil Yeasts and Their Role in Seed Germination  
*G. N. Fedotov, S. A. Shoba, M. F. Fedotova, A. L. Stepanov, and R. A. Streletsky* 573
- The Influence of the Bog Water Level on the Transformation of Sphagnum Mosses  
in Peat Soils of Oligotrophic Bogs  
*E. A. Golovatskaya and L. G. Nikonova* 580
- Assessment of Biological Activity in Agrogenic and Natural Chernozems  
of Kabardino-Balkaria  
*O. N. Gorobtsova, T. S. Uligova, R. Kh. Tembotov, and E. M. Khakunova* 589
- 

## Mineralogy and Micromorphology of Soils

- Rapid Prediction of Soil Mineralogy Using Imaging Spectroscopy  
*E. S. E. Omran* 597
- Synthesis of Organo-Montmorillonite and Its Effect on Soil Urease  
and L-Glutaminase Activities  
*M. Z. Abolhasani, A. Lakzian, A. Fotovat, and R. Khorasani* 613
-

## **Degradation, Rehabilitation, and Conservation of Soils**

Remediation of Agrosoddy-Podzolic Soils Contaminated with Cadmium

*A. V. Lednev and A. V. Lozhkin*

620

Ecological Assessment of Soils in High-Mountain Landscapes of Northeastern Part  
of the Greater Caucasus (Azerbaijan)

*G. Sh. Mamedov, J. A. Shabanov, and T. A. Kholina*

630

---