

Contents

Vol. 48, No. 11, 2015

Genesis and Geography of Soils

Soils and Cultural Layers of Ancient Cities in the South of European Russia

*A. L. Aleksandrovskii, E. I. Aleksandrovskaya,
A. V. Dolgikh, I. V. Zamotaev, and A. N. Kurbatova*

1171

Soil Resources and Agriculture in the Center of European Russia
at the End of the 18th Century

I. O. Alyabina, A. A. Golubinsky, V. A. Kirillova, and D. A. Khitrov

1182

Soil Chemistry

Factors and Features of the Hydrocarbon Status of Soils

*A. N. Gennadiev, Yu. I. Pikovskii, A. P. Zhidkin, R. G. Kovach,
T. S. Koshovskii, M. A. Smirnova, N. I. Khlynina, and A. S. Tsibart*

1193

Characterization of Humic Acids from Antarctic Soils by Nuclear Magnetic Resonance

S. N. Chukov, E. V. Abakumov, and V. M. Tomashunas

1207

Composition and Hydrophobic Properties of Organic Matter in the Densimetric Fractions
of Soils from the Subpolar Urals

A. A. Dymov, E. Yu. Milanovskii, and V. A. Kholodov

1212

Soil Physics

Structural Transition in the Humic Matrix of Soil Gels and the Electrical Resistivity of Soils

G. N. Fedotov and S. A. Shoba

1222

Changes in the Carbon Dioxide Emission from Soils in the Course of Postagrogenic Succession
in the Chernozem Forest-Steppe

D. V. Karelin, D. I. Lyuri, S. V. Goryachkin, V. N. Lunin, and A. V. Kudikov

1229

Soil Biology

The Structure of Microbial Community in Aggregates of a Typical Chernozem Aggregates
under Contrasting Variants of Its Agricultural Use

*E. A. Ivanova, O. V. Kutovaya, A. K. Tkhakakhova, T. I. Chernov,
E. V. Pershina, L. G. Markina, E. E. Andronov, and B. M. Kogut*

1242

Distribution of Oribatid Mites (Acari: Oribatida) along an Altitudinal Profile
of Mount Vud'yavrchorr (the Khibiny Mountains)

V. D. Leonov, A. A. Rakhleeva, and E. A. Sidorchuk

1257

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

National Approaches to Evaluation of the Degree of Soil Degradation

E. N. Molchanov, I. Yu. Savin, A. S. Yakovlev, D. S. Bulgakov, and O. A. Makarov

1268