

Contents

Vol. 49, No. 3, 2016

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

- Properties and Regimes of Vertisols with Gilgai Microtopography (a Review)
N. B. Khitrov 257
- On the Development of Soil-Genetic Zoning
*T. V. Korolyuk, I. I. Lebedeva, M. I. Gerasimova,
S. V. Ovechkin, and I. Yu. Savin* 272
-

Soil Chemistry

- Polycyclic Aromatic Hydrocarbons in Pyrogenic Soils of Swampy Landscapes
of the Meshchera Lowland
A. S. Tsibart, A. N. Gennadiev, T. S. Koshovskii, and N. S. Gamova 285
- Bituminous Substances and Polycyclic Aromatic Hydrocarbons in Soils under Lenses
of Oil and Oil Products in Underground Karst Cavities (Polaznenskii Peninsula, Perm Region)
*Yu. I. Pikovskiy, M. A. Smirnova, R. G. Kovach,
T. A. Puzanova, A. V. Khlynina, and N. I. Khlynina* 294
- Chemical Composition of Soils in the Areas of Volcanic Ashfalls
around Active Volcanoes in Kamchatka
L. V. Zakharikhina and Yu. S. Litvinenko 305
-

Soil Physics

- Pore-Size Distribution in Loamy Soils: A Comparison between Microtomographic
and Capillarimetric Determination Methods
*E. V. Shein, E. B. Skvortsova, A. V. Dembovetskii,
K. N. Abrosimov, L. I. Il'in, and N. A. Shnyrev* 315
- Composition and Structure of Aggregates from Compacted Soil Horizons
in the Southern Steppe Zone of European Russia
A. S. Sorokin, K. N. Abrosimov, M. P. Lebedeva, and G. S. Kust 326
- Deforestation Effects on Soil Quality and Water Retention Curve Parameters
in Eastern Ardabil, Iran
Sh. Asghari, S. Ahmadnejad, and F. Keivan Behjou 338
- Estimation of Soil Saturated Hydraulic Conductivity
by Artificial Neural Networks Ensemble in Smectitic Soils
A. Sedaghat, H. Bayat, and A. A. Safari Sinegani 347
-

Soil Biology

- Diversity of the Soil Biota in Burned Areas of Southern Taiga Forests (Tver Oblast)
*K. B. Gongalsky, A. S. Zaitsev, D. I. Korobushkin, R. A. Saifutdinov, T. E. Yazrikova,
A. I. Benediktova, A. Yu. Gorbunova, I. A. Gorshkova, K. O. Butenko, N. V. Kosina,
E. V. Lapygina, D. M. Kuznetsova, A. A. Rakhleeva, and S. V. Shakhab* 358
- Enzymatic Activity inside and outside of Water-Stable Aggregates
in Soils under Different Land Use
S. A. Garbuz, N. V. Yaroslavtseva, and V. A. Kholodov 367
-
-