

Contents

Vol. 45, No. 1, 2012

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

On the Jubilee of M.A. Glazovskaya

Modern Geochemical Evolution of Lagoon-Marshy
Landscapes in the Western Caspian Sea Region

N. S. Kasimov, M. S. Kasatenkova, A. N. Gennadiev, and M. Yu. Lychagin 1

Typification of Soil Catenas on Slopes from the Quantitative Manifestations
of the Accumulation and Loss of Soil Material

A. N. Gennadiev and A. P. Zhidkin 12

Micromorphology of Zheltozems on Hard Sedimentary Rocks
and Products of Their Decomposition: Pedogenic and Lithogenic
Features (with the Sochi Arboretum as an Example)

M. I. Gerasimova and I. A. Gurov 22

Genesis and Geography of Soils

Soil Formation and Weathering on Ultramafic Rocks
in the Mountainous Tundra of the Rai-Iz Massif, Polar Urals

S. N. Lesovaya, S. V. Goryachkin, and Yu. S. Polekhovskii 33

Suprapermafrost Organic-Accumulative Horizons
in the Tundra Cryozems of Northern Yakutia

A. V. Lupachev and S. V. Gubin 45

Soil Chemistry

Geochemical Fractionation of Lanthanides in Soils and Rocks:
A Review of Publications

Yu. N. Vodyanitskii 56

Evaluation of the Rates of Soil Organic Matter Mineralization
in Forest Ecosystems of Temperate Continental, Mediterranean,
and Tropical Monsoon Climates

I. N. Kurganova, V. O. Lopes de Gerenyu, J. F. Gallardo Lancho, and C. T. Oehm 68

Degradation, Rehabilitation, and Conservation of Soils

Assessment of Soil Degradation Processes in the Water Protection Zone
of the Ivan'kovskoe Water Reservoir on the Basis of Aerial Survey Materials

I. N. Gorokhova and E. I. Kupriyanova 80

Analysis of the Experience of European Countries
in Soil Monitoring

V. V. Medvedev and T. N. Laktionova 90

Discussions

Permian Paleosols in Relation to General Issues
of Paleopedology

A. O. Makeev 98
