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Influence of biological product's carriers on the biological properties of oil-contaminated sod-podzolic soil

A V Lednev and A V Lozhkin

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The phytostimulating activity of metal-resistant *Bacillus* strains isolated from Spolic Technosol of Lake Atamanskoe

V V Zinchenko, A V Gorovtsov, T M Minkina, S S Mandzhieva, S N Sushkova, S A Antonenko, E S Fedorenko and P D Pogonyshev

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5 Mineralogy and micromorphology of soils

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Morphological characteristics and features of soils in connection with post-agrogenic and recent climatic trends (a case-study from Central European Russia)

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6 Agricultural chemistry and soil fertility

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V F Basevich, I B Makarov and V V Fisenko

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L V Budazhapov

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E V Dubina-Chekhovich and O N Bakhmet

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I A Dubrovina

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The effect of the tank mixtures of humic substances and herbicides on the abundance of microbial communities in chernozem during chickpea cultivation

A V Gorovtsov, O S Bezuglova, E A Polienko, A V Grinko, O I Naimi, V A Lykhman, M N Dubinina and E S Patrikeev

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E N Ikkonen and M G Jurkevich

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N Kutkina

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Transformation of biosystem consolidation of the *Oryza sativa* L. microbocenosis with the introduction of associative rhizobacteria strains

A I Yakubovskaya, Ya V Pukhalsky, N I Vorobyov, S I Loskutov and I A Kameneva

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The effect of soil salinization and pre-sowing seed treatment with silicon-containing micronutrient fertilizer on barley seedlings

R I Zaitseva, N M Komarov, A S Frid, L M Anikina, A S Zhuravlyova, V V Chumakova, N I Sokolenko and G G Panova

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7 Soil reclamation

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Influence of the hydrological factor on the productivity of winter wheat on the drained soils of the moraine plain

O A Antsiferova

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The influence of the biochar application on the CO2 emission from Luvic Anthrosols in the south of Primorsky region (Russian Far East)

M A Bovsun, O V Nesterova, V A Semal and N A Sakara

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The nature of the patchiness of the irrigated fields and the possibility of its recognition on space imagery

I Gorokhova and Ye Pankova

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Phytomelioration of orchard agrocenosis as a way to enhance soil fertility and apple trees productivity

O E Klimenko and N I Klimenko

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8 Degradation, rehabilitation and conservation of soils

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Polycyclic aromatic hydrocarbons accumulation and toxic equivalency factors (TEFs) in postpyrogenic soils

E Chebykina, E Abakumov and G Shamilishvilly

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Effect of long-term organo-mineral fertilizer application on the fertility of eroded soils

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Variants of post-agrogenic soil reproduction in agrolandscapes (A case study in Belgorod region)

P Goleusov and F Lisetskii

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L P Iljina, K S Sushko and V Y Shmatko

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Analysis and assessment of the use of chernozems of the Kungur forest-steppe based on remote sensing data

M A Kondrateva and A N Chashchin

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Post-agrogenic dynamics of soil properties of eroded agrochernozems in the forest-steppe zone of Western Siberia

S Ya Kudryashova, A S Chumbaev, A A Tanasienko, S V Solovyev, G F Miller, A N Bezborodova and D A Filimonova

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Agro-ecological basis of conservation and reproduction of fertility of agricultural soils in arid territories of Altai

A Kudryavtsev, N Tumbaeva, G Prusakova and L Stupina

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O A Makarov, A S Strokov, E V Tsvetnov and D R Abdulkhanova

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N N Matinian, K A Bakhmatova and A A Sheshukova

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S G Novikov, M V Medvedeva and O N Bakhmet

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Content of heavy metals (Zn, Pb, Cu and Cd) in peat and plants of cutover peatlands

E S Novosyolova, L N Shikhova and E M Lisitsyn

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Agroecological assessments of arable and post-arable soils and trends of the post-agrogenic evolution of soils over a 30-year-long period under conditions of changing climate in the northern part of the Upper Volga Region, Russia

A V Rusakov, J V Simonova, A G Ryumin, A I Popov and N A Lemeshko

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Semicentenial dynamics of arable lands and fertility arable soils of the Republic of Tyva

A Sambuu, L Golubyatnhikov, D Shaulo, O Ajunova and V Zhulanova

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Short-term changes in chemical properties of topsoil (0–10 cm) after low-intensity fires caused by landings of first stages of space rockets Proton-M in Central Kazakhstan

I N Semenkov, T V Koroleva, A M Karpachevsky, S A Lednev and A V Sharapova

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Soil reaction to fire influence in mountain forest-steppe pine forests of Western Transbaikalia

E Yu Shakhmatova

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Y P Sukhanovskii, A V Prushchik and E V Dubovik

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Current state of the soil cover of the Don River delta and coastal zone under the conditions of intensified anthropogenic activity

K S Sushko, L P Iljina and L A Bespalova

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