

Contents

Vol. 4, No. 6, 2011

Simultaneous English language translation of the journal is available from Pleiades Publishing, Ltd.
Distributed worldwide by Springer. *Contemporary Problems of Ecology* ISSN 1995-4255.

| | |
|--|-----|
| Mathematical and Cartographic Modeling of Optimal Sites for the Growth of Forest-Forming Species (for Primorsky Krai as an Example) <i>B. S. Petropavlovskii</i> | 563 |
| Spatial-Typological Differentiation of Ecosystems of the West Siberian Plain. Communication V: Terrestrial Ecosystems <i>Yu. S. Ravkin, V. P. Sedel'nikov, M. G. Sergeev, A. A. Titlyanova, V. A. Khmelev, I. N. Bogomolova, and S. M. Tsybulin</i> | 568 |
| The Effect of Oil Extraction on Ground Cover of West Siberian Taiga Forests <i>M. N. Kazantseva</i> | 582 |
| Evaluation of the Effect of Wastes from Tin Ore Processing on Environmental Objects (Khrustalnenskii Mining and Processing Plant) <i>L. T. Krupskaya and V. P. Zvereva</i> | 588 |
| Genotoxic Effects in <i>Tradescantia</i> Plant (clone 2) Induced by Benzo(a)pyrene <i>E. V. Yakovleva, V. A. Beznosikov, B. M. Kondratenok, and A. A. Khomichenko</i> | 594 |
| Ecological Consequences of Different Stages of the Development of Oil and Gas Deposits in the Taiga Zone of the Tyumen' Oblast <i>A. V. Soromotin</i> | 600 |
| The Role of the Pyrogenic Factor in the Productivity and Dynamics of the Pine Forests in Transbaikalia <i>M. D. Evdokimenko</i> | 608 |
| Outlooks for Formation of High Productive and Stable Forests in West Siberia <i>A. M. Danchenko and I. A. Bekh</i> | 616 |
| Peculiarities of Fluoride Accumulation in the Plants of Meadow Biotopes of Northern Bukovyna <i>S. S. Kostyshin, O. O. Perepelitsa, and O. I. Smetanyuk</i> | 621 |
| Seasonal Changes in Photosynthetic Activity and Chlorophylls in the Scots Pine and Siberian Spruce with Optimal or Insufficient Moistening <i>G. G. Suvorova, M. V. Oskorbina, L. D. Kopytova, L. S. Yan'kova, and E. V. Popova</i> | 626 |
| The Effect of Forest Fires and Clearing of Fire-Destroyed Stands on Pedoecological Conditions of Natural Forest Regeneration <i>Yu. N. Il'ichev, L. A. Ignat'ev, and S. Yu. Artymuk</i> | 634 |
| Cytogenetics of <i>Abies sibirica</i> in Decline Fir Stands of West Sayan High Mountains <i>O. V. Kvitko, E. N. Muratova, and E. V. Bazhina</i> | 641 |
| Evaluation of the Biological Activity of Birch Buds and Leaves in Model Investigations <i>T. I. Bokova and I. V. Vasil'tsova</i> | 647 |
| Vitality Composition and Its Role in Subpopulation Loci of <i>Soldanella hungarica</i> Simonk. (Primulaceae) in the Carpathians <i>G. G. Zhilyaev</i> | 651 |
| Evaluation of Morphological Diversity and Reproductive Potential of Dwarf Pines in Shirinskaya Forest-Steppe <i>I. V. Tikhonova</i> | 658 |
| Dynamics of Pine Forest State at Changing Emission Loads <i>T. A. Mikhailova and N. S. Berezhnaya</i> | 665 |

| | |
|---|-----|
| Biological Indices of Degradation and Self-Recovery of Soil-Vegetation Cover in Tundra <i>V. D. Vasil'evskaya and V. Ya. Grigor'ev</i> | 672 |
| Problems of Russian Dendrology in the XXI Century <i>I. Yu. Koropachinskiy</i> | 684 |
