
Anotacijos

Abstracts

Galvydytė D. Amendments and additions to the traditional classification of soils in Lithuania. *Geography. Scientific Journal. 2001. Vol. 37(1).*

The paper deals with amendments and additions to the traditional Lithuanian soil classification system, since the new FAO-adjusted classification is not properly prepared for practical use. New additions deal mainly with the human impact processes, since the old classification has not covered this issue. A new table is compiled for the amended old soil classification system.

References 16. Figs. 3. Tables 5. Lithuanian, summary in English.

Key words: soil classification, pedology

Šleinys R., Janušienė V. Peculiarities of pedogenesis and humification processes on hilly moraine relief. *Geography. Scientific Journal. 2001. Vol. 37(1).*

On the base of numerous scientific publications and data of investigations, a deeper insight into the Baltic and Žemaičiai moraine upland soil genetic peculiarities and its classification is attempted. According to the morphological and chemical composition, agrochemical properties, humus amount and qualitative composition, the process of podzolization takes place in the soils of different parts of slopes and expositions. Perennial grasses have a more positive effect on the amount and quality of humus in different parts of slopes as compared to annual crops.

References 22. Lithuanian, summary in English.

Key words: moraine relief, soil erosion, humic and fulvic acids, amount of phytomass

Dvareckas V., Navys E., Regularities of the connection between the structure of valley slopes of the Neris and the Vilnia rivers and spontaneous woody plants. *Geography. Scientific Journal. 2001. Vol. 37(1).*

The results of a study of trees and shrubs in native stands on the valley slopes of the Neris and the Vilnia rivers are presented. Wild *Acer platanoides* L., *Betula pendula* Roth., *Pinus sylvestris* L., *Quercus robur* L., *Sorbus aucuparia* L. and *Ulmus glabra* Huds.

growing in the slope forests are very important for improving the stability of the slope surface.

References 8. Figs. 2. Lithuanian, summary in English.

Key words: Valley relief, woody plants

Žaromskis R. Water level fluctuations in the Kauno Marios reservoir before launching the Kruonis hydroelectric pumped storage power station. *Geography. Scientific Journal. 2001. Vol. 37(1).*

The paper deals with water level fluctuations and their reasons under the effect of natural factors and of the Kaunas hydroelectric power plant. Cycles of different duration are singled out: annual, weekly and diurnal. Different level values and amplitudes related to power plant operation peculiarities are analysed.

References 9. Figs 2. Lithuanian, summary in English.

Key words: hydroelectric plant, water level, cycles of duration

Žaromskis R. Water level dynamics in the Kauno Marios reservoir after launching the Kruonis hydroelectric pumped storage power plant. *Geography. Scientific Journal. 2001. Vol. 37(1).*

Based on water level measurements in the river-dammed lake Kauno Marios at the old Kaunas hydropower plant and the new Kruonis hydro-accumulative power plant launched in 1992, water level fluctuation cycles of different duration and amplitude are analysed. The most serious impact on water level exerted by the Kruonis HAPP was observed 16 and 20 km from it at the gauging stations with weekly and diurnal cycles observed in water level changes.

References 12. Figs. 7. Lithuanian, summary in English.

Key words: water level, hydropower plant, hydro-accumulative power plant, pump regime, generator regime, fluctuation cycle

Kavaliauskas P. The problem of cognition of the social field. *Geography. Scientific Journal. 2001. Vol. 37(1).*

The article presents some program principles for the research of the social field. A new broad definition of this phenomenon, its two kinds and indices for estimation of each of them are expressed. Also, a new object for the research of human geography – balanced social field – is discussed in more detail, determining the dialectic sense of this kind of social field and obstacles for the development of its cognition.

References 30. Lithuanian, summary in English.

Key words: social field, human geography, sociology

Daugirdas V. Culture and geographical environment: Egypt. *Geography. Scientific Journal. 2001. Vol. 37(1).*

The article is an attempt to show how the geographic environment may become an important factor of culture formation. The ancient Egyptian culture is taken as an example. The Egyptian culture and its geographic environment are viewed as an integrated symbiotic system.

References 11. Lithuanian, summary in English.

Key words: geography of culture, Egypt, geographical culture

Dumbliauskienė M., Kavaliauskas P. Issues of the evaluation of the communicative quality of planning and publicity cartographic production. *Geography. Scientific Journal. 2001. Vol. 37(1).*

The article deals with the results of evaluation of the communicative quality of planning and publicity cartographic production in present Lithuania. Detailed results are presented and comments on this topic are made. Also, a comparison with the common issues of the evaluation of all cartographic production is made. Some proposals for the future improvement of the Lithuanian planning and publicity cartography are formulated.

References 8. Figs. 3. Lithuanian, summary in English.

Key words: cartography, communicative quality, planning maps, publicity maps

Prapiestienė R. Legal regulation on the use, management and protection of urban green plantations. *Geography. Scientific Journal. 2001. Vol. 37(1).*

The article deals with the system of legal acts regulating the use, management and protection of green plantations from the historic comparative point of view. It evaluates the legal acts regulating the use, management, protection and preservation of urban green plantations that have been passed since the restoration of Independence of the Republic of Lithuania.

References 22. Lithuanian, summary in English.

Key words: urban plantations, urbanized landscape, ecological functions, legal acts, regulation

Baubinas R., Burneika D. Social consequences of closing the Ignalina NPP. *Geography. Scientific Journal. 2001. Vol. 37(1)*

The possible social consequences of closing the Ignalina Nuclear Power Plant are studied. The social and economical situation in Visaginas and in the Utena region as a precondition for possible social consequences is shown. Also, two main groups of factors that can possibly influence the situation in the labour market are analysed. The problems of the enterprises that create working places and of the inhabitants of Visaginas whose possible behaviour can affect the situation in the labour market are discussed. Also, some proposals to neutralize the social costs of closing the INPP are made.

References 3. Table 3. English, summary in Lithuanian.

Key words: Visaginas, nuclear energetic, Ignalina, social costs