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Interdisciplinary role of the course of soil study in realization of environment education in higher education

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Abstract

© SGEM2017. All Rights Reserved. Currently, the system of higher education is based on interdisciplinary relations established between the scientific disciplines of the natural sciences. The article covers issues related to improving the quality of environmental learning through the study of disciplines associated with pedology, ecology and geography of soils. The article justifies the significance of the courses dealing with pedology in teaching students to creative professional activities for solution of global and regional ecological problem which are in some way connected with land management and the state of soil cover. Besides, the availability of interdisciplinary research, the significance of soils in providing stable biosphere, and the awareness of its role in the development of society and a man from the educational point of view is considered to be an important aspect of modern pedology. The article presents the analysis of inderdisciplinary role of courses of pedology in shaping ecological competences of students of Kazan (Volga region) federal university studying the following aspects of science as ecology, biology, geography, pedology, meteorology, land management and cadaster, pedagogics (in the field of geography and in the field of biology). The types of cognitive activities of students-bachelors and the organization of educational process, contributing to the development and implementation of environmental education are covered in the following article.

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Keywords

Biosphere functions of soils, Ecological education, Interdisciplinary competences, Soil study

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