

**PROBLEMS OF ENVIRONMENTAL EDUCATION OF TECHNICAL
UNIVERSITIES STUDENTS**

**ПРОБЛЕМИ ЕКОЛОГІЧНОЇ ОСВІТИ СТУДЕНТІВ ТЕХНІЧНИХ
УНІВЕРСИТЕТІВ**

D.Yershov, A.Bakhareva, O.Pitak

National Technical University "Kharkiv Polytechnic Institute", Kharkiv.

Abstract. The issue of the need to improve the quality of modern environmental education and training of technical universities students regarding of issues of productions environmental safety was considered. Because of the environmental burden increasing, it is impossible to solve the problems facing humanity without changing of the attitude of all mankind towards them.

Keywords: ecology, education, students, anthropogenic load, vocational education, natural environment

Анотація. Розглянуто питання про необхідність підвищення якості сучасної екологічної освіти та підготовки студентів технічних університетів стосовно питань екологічної безпеки виробництв. Через зростаюче навантаження на навколишнє середовище неможливо вирішити проблеми, що стоять перед людством, не змінюючи відношення всього людства до них.

Ключові слова: екологія, освіта, студенти, антропогенне навантаження, професійна освіта, природне середовище

Introduction. As is known, the modern stage of interaction between human society and the environment is characterized by a deepening of the contradictions between these components of the global biogeocenosis of the planet Earth. Repeatedly increased anthropogenic impact on the natural environment has led to the emergence of a number of various environmental problems. The solution of these problems is connected with a whole list of different factors: technical, legal, economic, and of course educational.

Main part. Issues of ecology, quality of the human environment today have received such great importance that their solution has become one of the main criteria for the humanization of society for all levels of mankind education. In this regard, engineering activity should be directed not only at solving of specific professional tasks, but also at protecting of the environment, protecting of the natural environment from excessive anthropogenic pressure and environmental destruction. This should lead to the need to reorganize production towards safety in relation to the natural environment.

Ecological direction of education should be combined with educational work aimed at consolidating the students' natural views on a number of issues, including the interaction of man and nature. There is appeared the justified need to convey to the students the fact that the main focus of environmental protection is the development and dissemination of already existing resource-saving technologies. It is necessary to apply concrete examples showing the

possibility of solving specific environmental problems that have appeared before humanity in recent years. At the same time, we should not forget about increasing the economic efficiency of enterprises, linking it with production safety for people and the environment. It is necessary that a new generation of students know that resource-saving and low-waste technologies can ensure high market efficiency of modern technologies. This will allow in the future rational and comprehensive use of raw materials and energy in the cycle “substance-production-secondary resources” in such a way that their action on the environment does not disrupt the functioning of natural processes.

The development and full implementation of resource-saving industries are aimed at a relatively long period. At the same time, students should realize that in all existing industries it is necessary to create conditions for effective purification devices to work and modernize to trap and process gaseous, liquid wastes, gas and solid phases. The level of environmental education in technical universities must meet the highest requirements in order to ensure a positive increase in the system of relations “man-production-environment” in the near future.

The task of specialists training who can not only solve technical problems, but who can do it without of the environment harming, who are able to predict changes in the natural environment and manage them, should be one of the most important. This task is multifaceted and includes a wide range of issues: from information and educational to special, constituting a single technical and environmental complex.

Conclusion. In our opinion, modern technical universities give to students knowledge and skills in the context of the production team head in terms of environmental problems insufficiently. In this regard, active learning methods not only improve the learning process, but also contribute to the development of creative thinking, the growth of professional and business qualities of future professionals. Environmental education of students in technical universities should be carried out according to a concretized plan. It should involve as special departments, which provide professional knowledge, and general education departments, which should provide knowledge in conjunction with issuing departments. Such education should include both part of the learning process: educational and scientific work. Also, education should include lectures not only in universities, but also in dormitories, schools, colleges, and other places where future professionals can be professionally oriented.

LITERATURE

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