

## SECTION 1

# SOCIAL AND ENVIRONMENTAL, ETHICAL AND PEDAGOGICAL PROBLEMS IN ACCORDANCE WITH A. D. SAKHAROV'S IDEAS

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### HUMAN AND MODERN ENVIRONMENTAL PROBLEMS

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**E. Astapovich, N. Lepskaya**

*Belarusian State University, ISEI BSU,  
Minsk, Republic of Belarus  
astapovichkatya@gmail.com*

The thesis is about current environmental problem and people's attitude towards this.

*Keywords:* environmental problems, greenhouse effect, problem of wastes.

Important elements of the concept of sustainable development are:

- economic development;
- social progress;
- responsibility for the environment.

In the list of environmental problems of our time, on one of the first places is the greenhouse effect. The first time this problem began to be discussed in 1827. The greenhouse effect of the atmosphere is the property of the atmosphere to transmit solar radiation, but to delay the earth's radiation and thereby contribute to the accumulation of heat by the Earth. The terrestrial atmosphere comparatively well transmits shortwave solar radiation, which is almost completely absorbed by the earth's surface, since the albedo of the earth's surface is generally small. Being heated due to the absorption of solar radiation, the earth's surface becomes the source of terrestrial, mainly long-wave, radiation, the transparency of the atmosphere for which is small and which is almost completely absorbed in the atmosphere. Thanks to the greenhouse effect with a clear sky, only 10–20 % of the Earth's radiation can, through the atmosphere, escape into outer space.

At present, as a result of anthropogenic impact, the content of carbon dioxide, methane, dust, other gases that absorb in the infrared range is constantly increasing (a mixture of dust and gases acts like a polyethylene film over a greenhouse: it passes sunlight to the soil surface well, but delays scattered over the soil heat – as a result, under the film creates a warm microclimate).

In addition to the effects of sunlight, thermal energy:

- is formed by burning fuel;
- is the primary product of production in solar power plants;
- is allocated at decomposition of waste on landfills;
- stands out on farms that breed livestock for meat production.

At present, a person can have information, however, a lot of advertising actively imposes someone else's opinion, which prevents an independent conscious life according to needs. It follows from this, that the solution of many environmental problems must begin from a single person.

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### BIOLOGICAL AND SOCIAL EVOLUTION OF THE PERSON

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**Y. Blagodarova, A. Korotkevich**

*Belarusian State University, ISEI BSU,  
Minsk, Republic of Belarus  
blagodarova-yana@mail.ru*

The article examines the role of technical progress in the biological and social evolution of the person.

*Keywords:* superevolution, technical progress, technological sinuglyarnost, social processes.

The first representatives of a type of homo, appeared, according to different data, from 5,5 to 3 million years ago. The person of the modern type, or homo sapiens, appeared rather recently, some 50 thousand years ago, and process of its formation was and remains not to the linear. Genetic selection set qualities, necessary for survival: