



## GEOGRAPHICAL LANDSCAPE CONDITIONS IN THE RESEARCH OF ARCHITECTURAL AND DESIGN SOLUTIONS OF UZBEKISTAN SANATORIUMS

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### Abstract

As a person uses all the wealth and ornaments of the earth during his life, he must first of all know how to use the living and artificial nature that surrounds him correctly and wisely, depending on his needs. Only then will the human factor take its rightful place as a creator for the planet earth. For this, it is necessary to create the possibility of scientific analysis of the earth's layers, lithosphere and atmosphere.

**Keyword;** lithosphere, river landscape, delta landscape, island landscape, sea landscape, lake landscape.

The landscape in any part of the globe changes due to the influence of weather. In addition, the large-scale spread of flora, and sometimes even human-made changes, lead to drastic changes in the natural landscape.

Scientific research has established the study of the landscape of the earth's surface relief in the following order:

- a) mountainous landscape;
- b) variable valley landscape;
- c) landscape formed by volcanoes;
- g) landscape formed by the movement of the soil layer;
- d) the landscape formed by the movement of the earth's layer;
- e) river landscape;
- j) lake landscape;
- z) deltaic landscape;
- i) coastal landscape;
- k) marine landscape;
- l) island landscape.

Until the 17th century, the scientific attitude towards mountains was not very serious. But by the beginning of the 20th century, each mountain had its own geomorphological, geological, tectonic and geometric characteristics.

One of the main characteristic features of the mountains is a relief with relatively high peaks and ridges, which is at least 700 meters above the average level of the earth.

Geologists often identify mountains based on their complex rocks. The relief factor is not taken into account. In fact, many mountains with complex rocks can be composed of simple structures. M: these include the mountains formed by the central volcano.

Basics of landscape design of sanatorium-resort complexes. The theory of landscape and natural factors should be taken into account in the landscape part of any project, and the



designed sanatorium-resort should serve to express the environment, ecology and aesthetic functional elements of nature in the project.

That's why the basis of landscape design is to create a real project in the complex of architectural and natural compositions, using natural elements in a complex way. Such a complete project belongs only to the work of a landscape architect, and only his extensive experience, understanding of the elements of nature characteristic of architects, and in-depth knowledge of the compositional and technical methods of the project allow him to undertake such work.

It is impossible to imagine modern architecture without landscape. This is what the Roman architect Marcus Vitruvius Pollio, who passed before our era, said: "Architecture is a creation that embodies, first of all, utility, solidity, and beauty." That is, architectural creativity consists of three main components (organizers): "science, technology and art".

In order to maintain a certain degree of harmony between the architectural structure and the natural landscape, each architect needs the help of knowing his own compositional measures. Therefore, in order to perfectly solve the architectural-landscape issue of each planned sanatorium-resort, the creative approach of the architect is necessary.

The basis of landscape design should not only consist of parks and parks, but also to provide a beautiful and useful architectural landscape to all open spaces in cities. Until recently, such projects were considered "an additional part of architecture". They even began to officially call this activity "improvement".

Landscape design is always based on economic and ecological factors. Because in the design of any landscape, first of all, it serves to improve the living environment of a person and to create a natural environment that satisfies his psyche. Such a natural environment can be created only by connecting the integrity of the created or created sanatorium-resort complex with the environment through the architectural landscape.

In most cases, the planned sanatorium-spa complexes are decorated with the help of natural landscape. Because every visitor to a sanatorium wants to spend his time in places with beautiful natural scenery, clean air and healing water. But not everyone has such an opportunity. The main reason for this is the economic and social situation of the people.

From a scientific point of view, the concept of landscape is a naturally preserved complex of a certain area, which represents the place, its relief, weather, soil composition and conditions, and the factor of biocenosis.

Biocenosis is a complex of plants, animals and microorganisms living on land and water bodies. Biocenosis is an integral part of biogeocenosis and consists of the direct connection of living and non-living things in a certain area with each other through the process of exchange of substances and energy.

In the present period, the concept of anthropogenic landscape, in contrast to the natural landscape, also appeared. Such a landscape is usually called a landscape created exclusively by human hands, which in turn:

- a) cultural landscape;
- b) recreational landscape;
- c) landscape of nature reserves.



Cultural landscape, that is, the landscape that directly creates an environment for people in the direction of culture, is called only one, and even then, the environment aimed at providing a positive physical and mental state of a person. Activities in the urban landscape form the basis of such a landscape.

The natural and artificial components of the urban landscape consist of a complex interrelationship, including residential buildings, public and industrial buildings, economic, engineering, transport, energy facilities, gardens, parks, street and square landscaping. enters. Recreational landscape refers to a certain area of nature that is one of the main parts of the natural landscape, that is, has recreational resources (for recreation, sanatorium, tourism, and hiking). A natural landscape created within the forest, partially modified water bodies, parks and diving facilities.

Reserves intended for the preservation of rare species of plants and animals must have a unique landscape. That is why the term "reserve landscape" appeared in modern architecture. It is primarily based on the nature of the field, which must be strictly protected by the law, or for scientific analysis or global coverage. These include:

- a) national parks;
- b) state reserves;
- c) natural monuments.

Sanatorium is an architectural composition in the landscape design of complexes of resorts, rest houses and tourist facilities. Compositions of large complexes, separate recreation and tourism institutions, as well as sanatoriums are created as a result of comprehensive and maximum study of local natural environment features. Choosing a composite solution of a separate institution or complex, resort or recreational zones should be determined within the limits of the architectural concept. sanatoriums, rest houses, resort-hotels, as well as other institutions, separate recreation and tourism institutions, as well as sanatoriums

- centralized method. In this method, all groups of rooms are placed in one body;
- blocking method. In this case, groups of rooms placed in separate buildings touch each other or form a complex spatial composition;
- pavilion style, characterized by the arrangement of separate groups of rooms in autonomous buildings without connecting to each other.

The main task of the composition in the architectural landscape is the joint generalization of reliefs, green fields, water basins and tributaries, small architectural forms, and landscaping elements under the open sky.

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