

FEATURES OF THE FORMATION OF PHYTODESIGN IN THE INTERIOR

Baxodir Kudratovich Bobobekov

Teacher of Jizakh Polytechnic Institute

Abstract

Central Asia has a low concentration of ozone in the atmosphere, as a result of which the intensity of UV radiation is particularly high. The distribution of thermal radiation on the territory of Uzbekistan differs in a number of features. In winter, the monthly values of radiation gradually decrease from south to north. Moreover, the average level is only slightly higher than in other regions of the CIS at the same latitudes.

Key words: the outer wall, mineral cotton, mineral plates.

INTRODUCTION

Human life is inextricably linked with nature, and consequently with the life of plants. The custom of decorating homes with plants seems to have originated in countries with a pronounced change of season as an attempt to delay the elements of wildlife at home for the whole year. The use of plants in shaping the interiors of various locations is currently due to the natural need of humans to be closer to nature due to the widespread urbanization of cities. Health is the most precious thing that a person has, it is the key to the success of all endeavors and it is necessary to take care of its preservation from the first day of life. It is obvious that not only the way of life, but also the state of its environment has an important impact on the state of physical and mental health of a person.

Modern people are forced to spend most of their time indoors, so it is important that people feel comfortable in them. One of the mandatory conditions for comfort is the presence of elements of wildlife in the premises – animals or plants.

Apparently, this is due to the fact that a person himself is a part of the living nature and it is very important for him to feel one with it. Obviously, this is why since ancient times man has sought to transfer a particle of nature to his home. This problem is successfully solved by interior gardening or phytodesign. The word "phytodesign" comes from two components: "phyto" - that is, related to plants, and "design" - is the artistic design of objects, the design of an aesthetic appearance. Thus, phytodesign is an artistic design of the aesthetic appearance of interiors and landscapes using plants. The term "phytodesign" appeared in the last century, but people have been decorating their homes with flowers and plants since time immemorial. Even in ancient times, people knew that plants help create a certain atmosphere in the house. The inhabitants of ancient Egypt decorated their palaces with cyperuses, the Romans preferred laurel trees for this purpose, and the Chinese used azaleas. In those early days, houseplants were the exclusive privilege of the rich. In India, it was even considered a crime for a poor person to grow orchids in their home.

Phytodesign is a new type of artistic and constructive activity that originated in the twentieth

century and is aimed at decorating various interior items with natural (plant) materials.

Phytodesign is the decoration of an office or home with flowers using artificial materials. This design improves the microclimate of the premises, cleanses the air, increases efficiency, creates comfort and comfort, the interior becomes more stylish and spectacular. working capacity increases, creates a cozy and comfortable environment.

The tasks of phytodesign are cleaning and improving indoor air, humidifying, ionization and enriching it with substances that have a beneficial effect on human health, as well as creating a comfortable and aesthetically pleasing environment.

Academician A. M. Grodzinsky identifies six main tasks of phytodesign

Aesthetic and psychological impact of plants on humans through the beauty of form and color.

1. Aesthetic and psychological impact of plants on humans through the beauty of forms and colors.
2. Improvement of the human air environment (tonic, soothing odors).
3. Cleaning of indoor air from dust, gases and other harmful impurities, reducing urban noise with the help of plants.
4. Improving and decontaminating the environment of the room with the help of phytoncides emitted by many plants.
5. Bioindication, i.e. the use of plants as living indicators of air, water, and soil pollution.
6. Study of the condition of the plants themselves in the interiors in order to further select the most effective and well-growing species.

Phytodesign represents a new direction in the formation of an architectural environment using plants through their organic connection with the subject world. Both artificial and natural plants are used in the formation of the phytomedium of interiors. The use of natural plants is particularly effective. It is known that plants secrete volatile substances-phytoncides-that have a high biological activity and contribute to stimulating human life processes, improving the body's metabolism, and improving the respiratory process. When purchasing and arranging indoor plants in a room that contributes to a harmonious and beneficial effect on the emotional and physical state of a person, the following important factors should be taken into account:

1. For any plant, the most suitable and familiar living conditions are necessary.
2. Be sure to take into account the ecological and energy purpose of the plant.
3. It is necessary to combine the style of the plant with the style direction of the interior of the room.
4. The plant should be proportionate to the room.
5. A suitable background for the plant.
6. Plants should be combined with each other.
7. A suitable planter for each plant.

Features of the formation of phytodesign of various premises consist in consistent designing using natural means of landscape design. First, environmental and ergonomic parameters of the environment in which phytocomposites are placed (temperature, humidity, light, gas content, etc.) are analyzed. The degree of environmental contamination by macro- and micro-level sources of harmful substances is determined. The nature of the labor process, its intensity, degree and specifics of fatigue are revealed. The range of phytocomposites is selected taking into account the specific features of the microclimate, the nature of the production process, and also takes into account the biological properties of plants (their

required phytoactivity, the creation of normal conditions for plant growth and development, illumination, temperature, etc.). Then the issues of functional character are solved, the spatial-organizing properties of phytocomposites are taken into account: creating compositions for dividing spaces or isolating them, fencing and protecting them from noise, dust, gas, etc. Finally, the placement of phytocompositions in the interior space is determined and their stimulating effect is predicted.

The effectiveness of the effect of phytocompositions on humans is achieved by imitating a natural landscape with a floral flavor (warm and cold tones, nuanced and contrast compositions), identifying the nature of the composition (static, dynamic) and the properties of its elementary forms (size, texture, structure, etc.), as well as taking into account additional factors of influence (lighting, music, scenting the environment).

The final formation of the indoor phyto-environment is carried out in accordance with the selected range of plants.

The following plants are used for landscaping both industrial, residential and public interiors:

- decorative deciduous trees.
- ampel and curly hair.
- decorative blooming plants.
- decorative fruit trees.

The interior of a house without indoor plants often seems boring and monotonous, devoid of vivid imagination and personality. Indoor plants, their greenery and freshness, always give warmth and comfort to the house, emphasize the hospitality of the owners and bring a bright, refined lively note to any interior.

A modern office is characterized not only by technical equipment and ergonomic furniture, but also by a cozy and psychologically comfortable environment. Phytodesign of the office will help to revive the strict interiors of workrooms and create a favorable working atmosphere. Phytodesign helps to relax, get rid of the street noise and city bustle. Plants improve a person's mood, create a favorable psychological atmosphere, absorb harmful components in the air, and help get rid of monotony.

The modern world dictates strict conditions: everything must be not only functional, but also beautiful. Phytodesign is just able to combine these two tasks.

When decorating your home with flowers and greenery, you need to know about some important details, without which it is impossible to harmoniously decorate the space:

- for bright flowering plants, a light background is most suitable.
- tall plants or shtambovy trees visually extend a low ceiling;
- elegant delicate flowers dilute the dark background.

- the material and shape of the plant vessel should be combined with the style of the interior.
- the composition, in the middle of which there will be a basket with stems hanging from it, will optically reduce the high ceiling;
- when organizing a chiaroscuro game, keep in mind the need for artificial lighting for natural plant biorhythms.
- you need to pay attention to how the color palette of foliage, wallpaper, furniture and other materials present in the room is combined.

Systematization of plants is one of the most important components of phytodesign of the interior. With the help of imagination, even at home, you can design a mini rock garden, a small water garden or a greenhouse. Various coasters, rocks, and mini fountains can help you do this.

Bibliography

1. Abdullayev, A. (2022). Formation of Landshut Territories in the Interior. *EUROPEAN JOURNAL OF BUSINESS STARTUPS AND OPEN SOCIETY*, 2(2), 1-4.
2. Abdullayev, A. (2022). Kindergarten Territory Landscape Design. *EUROPEAN JOURNAL OF BUSINESS STARTUPS AND OPEN SOCIETY*, 2(2), 5-8.
3. Abdullayev, A. (2022). PRINCIPLES OF USE OF WALL PICTURES IN THE INTERIOR OF ARCHITECTURE OF UZBEKISTAN AND HISTORY OF DEVELOPMENT. *Spectrum Journal of Innovation, Reforms and Development*, 9, 141-143.
4. Abdullayev, A. (2022). GEOGRAPHICAL LANDSCAPE CONDITIONS IN THE RESEARCH OF ARCHITECTURAL AND DESIGN SOLUTIONS OF UZBEKISTAN SANATORIUMS. *Spectrum Journal of Innovation, Reforms and Development*, 9, 136-140.
5. Yerjanovich, Y. B., & Mamadiyoroglu, A. A. (2021). ABOUT THE URBAN PLANNING PRACTICE OF THE URDA FORTRESS OF ANCIENT JIZZAK. *International Journal of Discoveries and Innovations in Applied Sciences*, 1(5), 148-151.
6. Yerjanovich, Y. B., & Mamadiyoroglu, A. A. (2021). Principles of Using Ornamental Plants in the Interior. *EUROPEAN JOURNAL OF INNOVATION IN NONFORMAL EDUCATION*, 1(2), 79-81.
7. Mamadiyor o'g'li, A. A. (2022). FOREIGN EXPERIENCES OF USING DECORATIVE PLANTS IN THE INTERIORS OF PUBLIC BUILDINGS. *Spectrum Journal of Innovation, Reforms and Development*, 9, 76-79.
8. Mamadiyor o'g'li, A. A. (2022). LANDSCAPE PLANTS IN PRE-SCHOOL EDUCATION BUILDINGS. *Spectrum Journal of Innovation, Reforms and Development*, 9, 80-83.
9. Alisherbek, N. (2021). Development of Urban Development in the Territory of Uzbekistan. *CENTRAL ASIAN JOURNAL OF THEORETICAL & APPLIED SCIENCES*, 2(10), 24-26
10. Нарзиев, А. К. У. (2020). РАЗВИТИЕ ГРАДОСТРОИТЕЛЬСТВА УЗБЕКИСТАНА. *Academy*, (11 (62)).
11. Alisherbek, N. (2021). About Jizzakh Cultural Heritage Sites. *EUROPEAN JOURNAL OF INNOVATION IN NONFORMAL EDUCATION*, 1(2), 90-91
12. Alisherbek, N. (2021). Development of Urban Development in the Territory of Uzbekistan. *CENTRAL ASIAN JOURNAL OF THEORETICAL & APPLIED SCIENCES*, 2(10), 24-26.
13. Qudratovich, B. B. (2021). Personnel Issues in the Application of Nanotechnology in Construction and Architecture. *International Journal of Discoveries and Innovations in Applied Sciences*, 1(5), 248-250.
14. Bobobekov, B. K. (2022). Prospective Directions of Tourism Routes in the Development of Pilgrimage Tourism in Jizak Region. *EUROPEAN JOURNAL OF BUSINESS STARTUPS AND OPEN SOCIETY*, 2(1),

- 55-59.
15. Yerjanovich Y. B. History of Architecture and Urban Planning of Sopollitepa Monument //EUROPEAN JOURNAL OF BUSINESS STARTUPS AND OPEN SOCIETY. – 2022. – Т. 2. – №. 1. – С. 49-54.
 16. Есбергенов, Б. Е. (2021). Памятник Калиятепы В Городе Джизак Об Изучении Методов Архитектурного Строительства. *CENTRAL ASIAN JOURNAL OF SOCIAL SCIENCES AND HISTORY*, 2(9), 69-72.
 17. Yerjanovich, Y. B. (2021). Development and Planned Construction of Housing Buildings in Djizzak. *EUROPEAN JOURNAL OF INNOVATION IN NONFORMAL EDUCATION*, 1(2), 109-112.
 18. Yerjanovich, Y. B. (2022). Urban Planning of the Medieval Jonbos Fortress. *EUROPEAN JOURNAL OF BUSINESS STARTUPS AND OPEN SOCIETY*, 2(2), 65-69.
 19. Yerjanovich, Y. B. (2022). Ways of Formation of New Architectural Ensembles in the Development of Samarkand City. *EUROPEAN JOURNAL OF BUSINESS STARTUPS AND OPEN SOCIETY*, 2(1), 97-100.
 20. Yerjanovich, Y. B. (2022). The Way of Forming the City of Jizzak in the Middle Ages. *Spanish Journal of Innovation and Integrity*, 6, 85-90.
 21. Yerjanovich, Y. B. (2022). Construction Work in the City of Jizzakh. *Spanish Journal of Innovation and Integrity*, 6, 74-79.
 22. Yerjanovich, Y. B. (2022). Cultural Service Institutions in Jizzak. *Spanish Journal of Innovation and Integrity*, 6, 68-73.
 23. Abdullayev, A. (2022). GEOGRAPHICAL LANDSCAPE CONDITIONS IN THE RESEARCH OF ARCHITECTURAL AND DESIGN SOLUTIONS OF UZBEKISTAN SANATORIUMS. *Spectrum Journal of Innovation, Reforms and Development*, 9, 136-140.
 24. Abdullayev, A. (2022). PRINCIPLES OF USE OF WALL PICTURES IN THE INTERIOR OF ARCHITECTURE OF UZBEKISTAN AND HISTORY OF DEVELOPMENT. *Spectrum Journal of Innovation, Reforms and Development*, 9, 141-143.
 25. Kuldashv, E. (2022). RESIDENTIAL INTERIOR DESIGN CHARACTERISTICS OF THE ANALYSIS IN THE PERIOD. *European Journal of Interdisciplinary Research and Development*, 10, 234-236.
 26. Esirgapovich, J. A. (2022). Main Trends in Landscape Art in a Sustainable Development. *European Journal of Life Safety and Stability (2660-9630)*, 13, 77-81.
 27. Esirgapovich, D. A. (2022). Actual Problems of Ensuring Sustainable Ecology in Urban Planning. *Central Asian Journal of Theoretical and Applied Science*, 3(6), 65-72.
 28. Esirgapovich, J. A. (2022). BARQAROR SHAHARSOZLIK, BARQAROR ARHITEKTURA, BIOARHITEKTURA VA BIOIQLIMIY ARHITEKTURA. *International Journal of Contemporary Scientific and Technical Research*, 525-528.
 29. Esirgapovich, J. A. (2022). Main Trends in Landscape Art in a Sustainable Development. *European Journal of Life Safety and Stability (2660-9630)*, 13, 77-81.
 30. Жонузаков, А. Э., & Миразимова, Г. У. (2020). Городские парки и некоторые вопросы ландшафтно-экологического аспекта. *Academy*, (11 (62)), 78-81.
 31. Esirgapovich, J. A. (2021). CITY PARKS AND SOME ISSUES OF LANDSCAPE AND ENVIRONMENTAL ASPECT. *International Journal of Discoveries and Innovations in Applied Sciences*, 1(5), 145-147.
 32. Xudaynazarovna, A. L. (2022). THE HISTORY OF THE FORMATION OF KONIGIL HILL AND THE PECULIARITIES OF THE TOURIST ENVIRONMENT. *Spectrum Journal of Innovation, Reforms and Development*, 9, 63-66.
 33. Xudaynazarovna, A. L. (2022). ANALYSIS OF THE PRACTICE OF SILENCING TOURIST COMPLEXES IN HOT CLIMATES AND UNFAVORABLE CONSTRUCTION CONDITIONS. *Spectrum Journal of Innovation, Reforms and Development*, 9, 67-71.
 34. XUDOYNAZAROVNA, A. L. Analysis of Architectural and Town-planning Features of Samarkand That Have a Historical Background. *JournalNX*, 6(09), 217-220.
 35. Inomovich, A. N. (2021). Principles of Reconstruction and Formation of Residential Buildings Typical of Historical City Centers. *European journal of innovation in nonformal education*, 1(2), 29-40.

36. Inomovich, A. N. (2022). Hardening of Cement and Its Kinetic Features. *EUROPEAN JOURNAL OF BUSINESS STARTUPS AND OPEN SOCIETY*, 2(1), 26-29.
37. Inomovich, A. N. (2021). CHARACTERISTICS OF HISTORICAL SAMARKAND CITY CENTERS. *International Journal of Discoveries and Innovations in Applied Sciences*, 1(5), 155-158.
38. Inomovich, A. N. (2022). Hardening of Cement and Its Kinetic Features. *EUROPEAN JOURNAL OF BUSINESS STARTUPS AND OPEN SOCIETY*, 2(1), 26-29.
39. Холиков, С. Р. (2021). Марказий Осиё архитектура ёдгорликлари гумбазларининг турлари. *INTERNATIONAL JOURNAL OF DISCOURSE ON INNOVATION, INTEGRATION AND EDUCATION*, 2(2), 40-43.
40. Ravshanovich, X. S. (2021). Types of domes of architectural monuments of Uzbekistan. *International Journal of Culture and Modernity*, 1, 5-8.
41. Холиков, С. Р. (2021). Историческое развитие архитектурного комплекса ХазратИ Имам (ХАСТИМОМ). *INTERNATIONAL JOURNAL OF DISCOURSE ON INNOVATION, INTEGRATION AND EDUCATION*, 2(1), 104-107.
42. Ravshanovich, K. S., Xurramovich, K. A., & Inomovich, A. N. (2021). THE PROBLEM OF PROTECTION AND USE OF ARCHITECTURAL
43. Tolqinovich, O. J. (2022). IT Has Not Been Saved to US in Bukhara" Madrasah's Cure". *EUROPEAN JOURNAL OF BUSINESS STARTUPS AND OPEN SOCIETY*, 2(2), 9-13.
44. O'Sarov, J. T. L. (2022). TURARJOY BINOLARINI QAYTA TIKLASH VA SHAKLLANTIRISH MUAMMOLARI. *Scientific progress*, 3(2), 96-101.
45. Mamadiyor o'g'li, A. A. (2023). Constructive and Technological Features of Using Plants in the Interior Environment. *Web of Synergy: International Interdisciplinary Research Journal*, 2(4), 321-323.
46. Mamadiyor o'g'li, A. A. (2023). Biological Characteristics of Vegetable and Woody Plants in the Interior Environment. *Web of Synergy: International Interdisciplinary Research Journal*, 2(4), 308-310.
47. Миразимова, Г. У. (2021). Преимущество строительства железобетонных и монолитных зданий. *Science and Education*, 2(5), 155-166.
48. Миразимова, Г. У. (2021). Подбор состава и изучение физико-механических свойств сырья для производства керамического кирпича и плитки на основе промышленных отходов. *Academy*, (4 (67)), 12-14.