

professional courses in colleges and universities, it can promote the organic integration of labor education and the cultivation of innovative talents in colleges and universities, and alleviate the anxiety of college students.

**Objective:** With the rapid development of higher vocational education, industry enterprises have also put forward higher requirements on the moral cultivation, personality quality, and professional ethics of talents. Integrating labor education into professional courses in colleges and universities is an important reform to deepen higher education, which can effectively alleviate the anxiety of college students.

**Subjects and methods:** In recent years, the mental health of college students has directly affected the quality of our country's college student talent training, aroused high attention from the society, and became the focus of the college psychological counseling center. In order to improve the mental health of college students, analyze the effect of integrating labor education into the teaching of professional courses in colleges and universities, and conduct investigation and analysis. By way of questionnaires, statistical analysis of the effect of alleviating the anxiety of college students.

**Study design:** A questionnaire was issued to 600 college students, and the questionnaire was required to be completed at one time. The time for each person to fill out the questionnaire was about 10-15 minutes. A total of 600 copies were issued, 589 copies were recovered, and the effective number of copies was 571.

**Methods:** Use Excel to calculate the relief of college students' anxiety after the integration of labor education into professional courses in colleges and universities.

**Results:** Labor education can release anxiety-symptom students from disturbing, worrying and fearful thinking activities, forming a positive psychological state, such as increasing self-confidence, improving self-control ability, being able to withstand the pressure of study and life, and overcome difficulties. Labor education improves the mental state of college students' restlessness, impatience, and inability to concentrate, improves their endurance, willpower and endurance, cultivates a stable mood, and lays the foundation for alleviating anxiety symptoms. In the process of labor education, the body and mind of college students are relaxed, thereby changing the cognition of self, behavior and others, and forming a good psychological quality.

In the survey results, five levels from 0 to 4 are used to quantify the impact of specific factors. 0 means irrelevant, 1 means slight influence, 2 means normal influence, 3 means obvious influence, 4 means sufficient influence, in order to reduce the impact Individual subjective causes large errors. Take 600 college students' evaluation values and take the average, and the results are determined by rounding off. The specific statistics table is shown in Table 1.

**Table 1.** Relief of the psychological anxiety of college students by labor education.

Factor	Control	Endurance	Willpower	Endurance
College students	4	3	4	4

**Conclusions:** As the builders of the country's future development, college students must not only work hard to learn professional theoretical knowledge and improve their own professional quality, but also need to have good ideological and moral character, which requires labor education according to the actual situation of the students. With the discussion of labor value, innovative labor, harmonious labor, etc., more and more colleges and universities realize the importance of integrating labor education into professional courses in colleges and universities, which will help cultivate more outstanding talents and relieve the anxiety symptoms of college students. Therefore, the work of professional courses in colleges and universities must continue to explore new paths and better integrate labor education into professional courses in colleges and universities.

\* \* \* \* \*

## RESEARCH ON THE INFLUENCE OF URBAN LANDSCAPE GREENING ON RELIEVING MENTAL STRESS FROM THE PERSPECTIVE OF AESTHETICS

Tao Wu & Xin Tao

*College of Horticulture and Plant Protection, Yangzhou University, Yangzhou 225000, China*

**Background:** With the continuous development of urbanization and the expansion of the scale, the functions and structures of cities are increasing day by day, and the research content of urban aesthetics is also expanding rapidly, covering the functional beauty, technological beauty, social beauty, ecological beauty and many other aspects of cities. And presents the development trend of closely combining with

urban planning, urban design, landscape planning, architectural design and other disciplines to solve urban problems in coordination. Urban green space landscape construction is important elements of city beauty, it carries with improving urban ecology, and beautify the urban environment, meet the residents' leisure recreation, protect the city culture and the important function such as resources, and disaster prevention safety, is contact city and nature, shaping the image of the city, urban culture and display the important carrier of urban character. From the perspective of modern urban aesthetics research, "city image", "city style", "city grade" and other major topics are all closely related to the landscape planning and design of urban green space. The study of urban green space landscape from the perspective of modern urban aesthetics is the basis of exploring human's life and aesthetics of the city they live in, the way of forming urban environmental intention, and the basis of establishing a good spatial order for the overall view of the city and human behavior. Therefore, we should regard urban aesthetics as the guiding basis of urban green space planning and construction, and make it play an important role in the development of urban civilization, social progress and improvement of citizens' aesthetic quality.

Modern cities are more and more distant from the natural environment, the pace of people's life is getting faster and faster, and the pressure of social competition is getting bigger and bigger. At the same time, the development of modern science and technology has greatly improved the quality and level of people's material life. However, more and more evidence that the quickening pace of modern city life, social competition pressure, especially from the modern city life of the natural environment, is causing obesity, diabetes and cardiovascular disease, insomnia, depression and other health problems, one of the important factors is important factor affecting the peaceful life of individual and social groups. Urban natural environment has a good effect on people's physical and mental health, urban public green space as the main body of the urban natural environment has become an important place, and feeling nature is close to citizens in maintaining ecological balance, improving urban ecological environment at the same time, has become an important way to relieve stress and fatigue recovery.

**Objective:** The process of rapid urbanization in China has been going on for more than 30 years, and the spatial layout of cities as economic carriers has been largely completed. In this process, the construction of urban green space has achieved remarkable results, which have played a positive role in promoting urban economic development, ecological balance, people's livelihood, and cultural prosperity. At the same time, various ways such as landscape modeling can effectively alleviate the mental pressure of residents.

**Subjects and methods:** Urban landscape greening provides people with a form of soothing psychology, and at the same time can cultivate people's quality, inspire people's spirit, and affect people's material and spiritual needs. Therefore, the residents of urban houses are taken as the research objects, and questionnaires are issued to them to count the influence of park greening, community greening, and street greening on their mental state and mood.

**Study design:** A questionnaire was issued to 400 residents, and the questionnaire was required to be completed at one time. The time for each person to fill out the questionnaire was about 20-30 minutes. A total of 400 copies were issued, 389 copies were recovered, and 364 copies were valid.

**Methods:** Use Excel to analyze the mental stress relief of residents in different urban greening locations.

**Results:** The construction of urban greening is realized in the process of two-way interaction between the city and the people. In a humanized and functional aesthetic ecosystem, only when urban residents participate in the experience in their daily lives can they fully and continuously make aesthetic judgments on the value of urban objects. Greening through the urban landscape can promote interpersonal communication, provide a variety of daily leisure and recreational activities, and meet the needs of specific activity preferences and use of different groups of people, which is conducive to enhancing people's vitality and vitality.

In the survey results, five levels from 0 to 4 are used to quantify the impact of specific factors. 0 means irrelevant, 1 means slight influence, 2 means normal influence, 3 means obvious influence, 4 means sufficient influence, in order to reduce the impact. The individual subjectively caused large errors. The evaluation value of 400 residents was taken and the average was taken.

**Table 1.** The relief of mental stress on residents by greening locations in different cities.

Factor	Park greening	Community greening	Street greening
Resident	4	3	4

**Conclusions:** The beauty of a city is to realize the harmonious and sustainable development of people, places and things in the city. People's judgment of a city will eventually be implemented in the sense of urban aesthetics. Urban green space landscape planning is guided by urban aesthetics, which helps to create a livable urban living environment, improve the quality of life of urban residents, stimulate urban vitality, and promote excellent urban spirit, thereby alleviating people's mental pressure.

\* \* \* \* \*

## MATHEMATICAL MODELING ANALYSIS OF THE FEASIBILITY OF REGENERATIVE THERAPY FOR CENTRAL NERVOUS SYSTEM DISEASES

Xue Xu

*College of Information Engineering, Harbin University, Harbin 150086, China*

**Background:** Neural stem cells, such as neurons, astrocytes and oligodendrocytes, can self-renew to generate new neural stem cells, which play a role in nerve development and repair of nerve damage. The research on stem cells can be traced back to the 1960s, but most of them focus on the research on hematopoietic stem cells and embryonic stem cells. It was not until the early 1990s that some laboratories reported that undifferentiated cells could differentiate into various neuronal cell types, including neurons, and separated them from mammalian brains. The study of the biochemical properties of neural stem cells has deepened people's understanding of the growth, development and plasticity of nerve cells, and the neural stem cells are regulated and modified in vitro and transplanted into the nervous system, which is used to treat nervous system diseases and make some drugs powerless. The treatment of systemic diseases becomes possible. The traditional view is that the mature central nervous system cannot regenerate after injury. The discovery that brain and spinal cord tissues have self-repairing functions, and the successful isolation and extraction of neural stem cells in adult mammals have given people a new understanding of central nervous system regeneration. Neural stem cells are the cytological basis for the self-repair of the nervous system. They not only exist during embryonic development, but also exist in adult mammals. Adult neurogenesis is regulated by various dynamic factors such as physiological, pathological and pharmacological stimulation, such as stroke, traumatic brain injury, spinal cord injury, neurodegenerative diseases, etc. Therefore, one of the goals of regenerative medicine is to use neural stem cells to promote the regeneration of the central nervous system in the injured areas of the brain and spinal cord.

Mathematical modeling is a way to make necessary assumptions based on known conditions for actual problems, and use mathematical methods to establish models to solve problems through certain quantitative relationships and spatial forms given by mathematical language. In the process of mathematical modeling, you can more intuitively understand the process of abstracting actual problems into mathematical problems, and you can apply mathematical methods to solve real problems.

**Objective:** For a long time, central nervous system diseases such as Alzheimer's disease, stroke, multiple sclerosis, etc. have been huge challenges facing human beings. There is no effective treatment method. However, with the research on the regeneration mechanism of the central nervous system, stem cells Discovery and the development of regenerative medicine have made it possible to reconstruct the structure and function of the central nervous system. Therefore, mathematical modeling can effectively analyze the feasibility of regenerative therapy for central nervous system diseases.

**Study design:** Use mathematical models to carry out simulation experiments, set specific parameter values, and assume that 1,000 patients with central nervous system diseases will be treated with nervous system regeneration therapy. With the development of regenerative medicine of the nervous system, a therapeutic method of implanting dopamine-secreting tissue into the striatum has gradually developed. Use mathematical models to analyze the feasibility of treatment measures.

**Methods:** Use Excel to calculate the feasibility of central nervous system regeneration therapy.

**Results:** It can be concluded that the central nervous system regeneration therapy is feasible by constructing the numerical simulation experiment of the mathematical model. It can effectively alleviate the disease condition of patients with central nervous system disease and control the condition. At the same time, as the disease is delayed, the patient's ability to take care of themselves in life can be effectively improved, and the patient's family burden can be reduced.

In the survey results, five levels from 0 to 4 are used to quantify the impact of specific factors. 0 means irrelevant, 1 means slight influence, 2 means normal influence, 3 means obvious influence, 4 means sufficient influence, in order to reduce the impact individual subjective causes large errors. Take the assessment value of 1000 patients with central nervous system disease and take the average.

**Table 1.** Feasibility results of central nervous system regeneration therapy.

Factor	Disease condition	Self-care ability	Family burden
Specific value	4	3	3

**Conclusions:** The progress of central nervous system regenerative medicine must be based on basic