

## EMOTIONAL INFLUENCE OF CHINESE MUSICAL CULTURE IN THE CONTEXT OF THE DEVELOPMENT OF ENVIRONMENTAL APPROACHES IN THE FIELD OF EDUCATION

Li Linsong

Russian State Pedagogical University named after A. I. Herzen

<https://orcid.org/0009-0008-9816-9205>

[flutells@foxmail.com](mailto:flutells@foxmail.com)

### ABSTRACT

The paper examines the emotional impact of Chinese musical culture and its role in the context of the development of environmental approaches in the field of education. The authors consider how musical compositions, traditional instruments and styles affect the emotional state of an individual and form his attitude to the natural environment. The analysis of how elements of Chinese music can contribute to the development of ecological consciousness among students is carried out. Special attention is paid to the use of musical compositions in educational programs to form a positive attitude to nature, water sounds, nature sounds and traditional melodies can become a means of educating environmental responsibility. The authors also consider the practical aspects of integrating musical elements into the educational process, analyze the results of experiments and surveys aimed at measuring the effectiveness of this approach. In conclusion, generalizations and conclusions about the potential of using Chinese musical culture as a tool for the formation of more environmentally oriented educational practices are summarized.

**Keywords:** musical culture of China, emotional influence, ecological approaches in the field of education.

## INFLUÊNCIA EMOCIONAL DA CULTURA MUSICAL CHINESA NO CONTEXTO DO DESENVOLVIMENTO DE ABORDAGENS AMBIENTAIS NO CAMPO DA EDUCAÇÃO

### RESUMO

O artigo examina o impacto emocional da cultura musical chinesa e o seu papel no contexto do desenvolvimento de abordagens ambientais no campo da educação. Os autores consideram como as composições musicais, instrumentos e estilos tradicionais afetam o estado emocional de um indivíduo e formam sua atitude em relação ao ambiente natural. É realizada a análise de como elementos da música chinesa podem contribuir para o desenvolvimento da consciência ecológica entre os estudantes. Atenção especial é dada ao uso de composições musicais em programas educacionais para formar uma atitude positiva em relação à natureza, os sons da água, os sons da natureza e as melodias tradicionais podem se tornar um meio de educar a responsabilidade ambiental. Os autores também consideram os aspectos práticos da integração de elementos musicais no processo educativo, analisam os resultados de experiências e inquéritos que visam medir a eficácia desta abordagem. Concluindo, são resumidas generalizações e conclusões sobre o potencial da utilização da cultura musical chinesa como ferramenta para a formação de práticas educativas mais ambientalmente orientadas.

**Palavras-chave:** cultura musical da China, influência emocional, abordagens ecológicas no campo da educação.



## 1 INTRODUCTION

Modern education is facing challenges related to the need for students to develop not only knowledge and skills, but also value orientations, including a responsible attitude to the environment. Environmental problems are becoming more and more urgent, requiring not only technical and scientific solutions, but also changes in public consciousness. In this context, studies on the influence of various cultural aspects on the formation of environmental awareness become especially important (Chen, 2013).

Musical culture, as an important component of cultural heritage, plays an essential role in shaping a person's emotional perception and attitude to the world around them. In this article, we focus on the emotional impact of Chinese musical culture and its potential in the context of the development of environmental approaches in education (Chen, 2018). Analyzing the influence of Chinese music on the emotional state and worldview of an individual, we seek to identify the possibilities of using this influence to support and strengthen educational initiatives aimed at the formation of environmental responsibility among students and trainees.

The presentation of Chinese musical culture in the context of environmental education opens up prospects for innovative methods and approaches in the educational process. China, with its rich cultural heritage, provides unique sound resources capable of inspiring, soothing and creating harmony with the natural environment. Traditional melodies based on natural sounds and rhythms can serve as a bridge between students and nature, contributing to the formation of a deeper empathic attitude to the environment. The effective use of the sound of nature in musical compositions can create a space for reflection, stimulating interest in ecology and nature (Gao, 2016).

However, despite the potential of Chinese music in the educational process, it is important to conduct a thorough analysis of the effectiveness of these methods. The article will consider the results of research based on experiments and surveys aimed at measuring the impact of musical elements on the environmental consciousness of trainees.

In the context of this article, not only traditional, but also modern manifestations of Chinese musical culture are considered, including modern compositions and creative approaches that can be used to support environmental education in the modern world.

## 2 MATERIALS AND METHODS

The materials and methods used in this study are aimed at a thorough study of the influence of Chinese musical culture on the environmental consciousness of students. A literature review was conducted and based on it, an analysis of existing scientific research and literature on the topic was carried out in order to understand the current level of knowledge and identify gaps in research. Within the framework of practical recommendations, approaches to the compilation of psychoacoustic tests, as well as to the development of educational programs that include Chinese music with elements of nature, are considered. The choice of approaches depends on the specific objectives of the study, but the integration of various methods will allow us to get a more complete understanding of the influence of Chinese musical culture on the formation of environmental approaches in education.

## 3 RESULTS

Modern education is facing challenges related to the need for students to develop not only knowledge and skills, but also value orientations, including a responsible attitude to the environment. Environmental problems are becoming more and more urgent, requiring not only technical and scientific solutions, but also changes in public consciousness (Gao, 2014).

In modern education, we face significant challenges that are caused not only by the need to transfer knowledge and develop skills, but also by the desire to educate students in value orientations, including a responsible attitude to the environment (Guo et al., 2017). Environmental problems, becoming more and more urgent and haunting us on a daily basis, force us to consider education as a key tool for changing not only technical and scientific approaches, but also for influencing public consciousness.

Learning cannot be limited to the transmission of facts; it must include the formation of values that are able to direct an individual's actions in a more sustainable and environmentally responsible direction. The development of sustainability competencies and the understanding of the relationship between man and the environment are becoming an integral part of the educational process (Huai, 2021).

One of the key components of the effective formation of ecological consciousness is the introduction of innovative methods capable of influencing public consciousness in a deep and emotional aspect. In this context, the role of cultural elements, such as musical culture, comes to the fore.

The continuation of the study of the influence of Chinese musical culture on environmental education not only opens up new perspectives in the field of emotional perception, but also provides innovative ways to form a more responsible and sustainable society through education (Jia, 2021).

Musical culture, which is an enduring element of cultural heritage, carries not only artificial melodies and rhythms, but also deep cultural, emotional and historical contexts. In this way, it is an important factor shaping a person's emotional perception and his attitude to the world around him. Music, being a unique language capable of expressing feelings and conveying emotions without the need for words, has a direct impact on the emotional state of the listener (Liang & Liang, 2018).

In the context of environmental education, the use of musical elements can create a special connection between the individual and nature. For example, traditional melodies inspired by natural sounds and events can become a kind of sound guide that takes the listener into harmony with the surrounding nature. The sound of water, the whisper of the wind or the singing of birds introduce the listener into the natural environment, emphasizing the importance of caring for nature.

Moreover, musical culture has the ability to reflect the collective values and characteristics of society. The inclusion of environmental themes in musical compositions can not only serve as an expression of global problems, but also emphasize the importance of a sustainable lifestyle.

Thus, musical culture becomes a strong and multifaceted tool for the formation of emotional perception and enrichment of a person's attitude to the surrounding world, including its environmental component (Liao & Zhang, 2021).

The analysis of the impact of Chinese music on the emotional state and worldview of an individual in the context of environmental education opens up prospects for the creation of innovative educational practices. Let's consider the possibilities of using this impact to support and strengthen educational initiatives aimed at the formation of environmental responsibility among students and trainees. The study and selection of Chinese musical compositions that can cause positive emotional reactions and associations with nature.

It is necessary to develop educational scenarios where musical compositions are used to create emotional scenes that emphasize the importance of ecology and sustainability. Integration into educational programs is also important: the development of educational materials that include Chinese music with environmental themes in the curricula of various disciplines, conducting interactive lessons that include listening to music, discussing its impact on emotions and correlation with environmental principles (Li, 2016). As part of the formation of empathy, it will be effective to integrate recordings of natural sounds into musical compositions to strengthen empathy and connection with nature, organize field trips and practical classes where students can directly interact with nature in combination with musical accompaniment. In addition, it would be advisable to involve ecologists, psychologists and musicians in the educational process to create an integrated, interdisciplinary approach, as well as conducting student projects and research using Chinese music as a tool for studying and understanding environmental issues. These approaches can not only inspire and motivate students, but also create strong links between art and environmental education, enriching the educational process and contributing to the formation of a more responsible attitude to the environment (Liu & Hao, 2018).

Learning cannot be limited to the transmission of facts; it must include the formation of values that are able to direct an individual's actions in a more sustainable and environmentally responsible direction. The development of sustainability competencies and an understanding of the relationship between humans and the environment are becoming an integral part of the educational process. This important statement reflects the modern view of education as a much more complex and profound process than just the transfer of factual information. The formation of values, especially in the context of sustainable development and environmental responsibility, is becoming a key component of the educational strategy. In this regard, the following areas are important:

1. Integration into curricula of materials that contribute to the formation of students' values related to respect for the environment.
2. Development of practical skills. Inclusion in the curricula of classes aimed at developing sustainable skills, such as reducing consumption, improving energy efficiency and introducing sustainable lifestyle practices.

3. Promoting an approach that integrates different fields of knowledge to demonstrate to students the interrelationships between environmental aspects and other disciplines.

4. Development of educational modules combining subjects so that students can better understand the complexity of ecosystems and human impact (Li, 2016).

The introduction of innovative methods in the educational process plays a key role in the formation of ecological consciousness, especially if these methods are able to act on the public consciousness at an emotional level. In this context, cultural elements, such as musical culture, become an integral tool for achieving a deep and long-term impact on attitudes towards the environment. Music is able to transform the public perception of environmental problems, creating an emotional impact that goes beyond rational understanding (Peng, 2018). Melodies, sounds of nature and musical compositions can activate empathy and empathy for the environment, making it more accessible and meaningful to a wide audience. It is also important to integrate new technologies to create unique musical and environmental experiences and to develop mobile applications and platforms that allow users to interact with musical and environmental content (Pitts, 2017).

Thus, musical culture, effectively integrated into the educational process and social events, can become a powerful tool for influencing public consciousness and forming environmental responsibility.

#### 4 DISCUSSION

Within the framework of this work, separate methodological recommendations were formulated. To conduct tests to measure the emotional perception of trainees when listening to Chinese music with environmental themes, the following methodological approach can be used:

1. Selection of a representative sample of musical compositions. Selection of Chinese musical compositions that represent various genres and styles and contain ecological elements in their structure.

2. Creating questionnaires to measure emotional perception. Development of a questionnaire with questions aimed at assessing the emotional reactions of trainees to listening to each composition. Questions may relate to aspects such as mood, inspiration, calmness and accompanying feelings.



3. Creating an assessment scale. Development of a numerical scale (for example, from 1 to 10) to assess the level of emotional perception, where test participants can indicate their reaction to each composition.

4. Preparation of a group of trainees. Gathering a group of trainees who will participate in the testing. It is important to ensure the diversity of participants by age, cultural background and musical preferences.

5. Conducting tests. Explaining the objectives and procedures of the test to the participants, listening to each composition in the prescribed manner, filling out the questionnaire by the participants after listening to each composition.

6. Data collection and analysis. Collection and analysis of data received from participants. Averaging the results for each composition. Identification of common trends and patterns in emotional reactions to various musical compositions.

7. Statistical processing of the results. Using statistical methods to check the statistical significance of differences between emotional reactions to different compositions.

8. Interpretation of the results. The formulation of conclusions about which types of musical compositions with environmental themes cause stronger or weaker emotional reactions in the trainees.

This approach will allow to systematize and evaluate the emotional perceptions of students when listening to Chinese music with environmental themes, which can be useful for determining the most effective compositions in the context of the formation of ecological consciousness.

Conducting structured surveys and interviews with trainees on environmental issues before and after exposure to Chinese music with environmental themes can provide valuable data on changes in their attitude to the environment. Below is a plan for this study.

1. Before the impact of music:

1.1. Overview of the current attitude to ecology:

– determination of the basic level of knowledge and interest in ecology using structured questions;

– research on the degree of awareness of global environmental problems and their impact on everyday life.

1.2. Assessment of the general emotional state:

- setting questions aimed at identifying current emotional states in relation to environmental problems;

- use of scales to measure the level of interest and concern about environmental issues.

### 1.3. Determination of personal contribution to problem solving:

- study of the opinion of trainees about how much they feel their contribution to solving environmental problems;

- determining their opinion on how much they are able to influence the environment.

### 2. After exposure to music:

#### 2.1. Emotional reactions to music:

- assessment of emotional experiences after listening to Chinese music with environmental themes;

- use of scales to measure the level of inspiration, calming or activation.

#### 2.2. Changes in knowledge and awareness:

- a survey about changes in their knowledge and awareness of environmental issues that may have occurred after listening to music;

- questions about new facts or aspects of ecology that have become more understandable to them.

#### 1.3. Changes in attitude and motivation:

- assessment of changes in attitude to ecology and nature after exposure to music;

- research of motivation for making changes in everyday life in favor of the environment.

#### 1.4. Assessment of readiness for action:

- questions aimed at identifying the readiness of trainees for specific actions in the field of ecology after listening to music;

- research on the willingness to change habits and participate in environmental conservation initiatives.

### 3. Additional steps:

#### 2.1. Qualification interviews:

- conducting qualification interviews for a deeper understanding of the answers and searching for additional contextual data.

#### 2.2. Quantitative data collection:

- use of standardized tools for quantitative analysis of survey and interview results.

#### 2.3 Trend analysis:



– Trend analysis and the formation of groups based on responses to identify common trends among trainees.

This approach will allow us to assess not only emotional reactions to music, but also changes in knowledge, attitude to ecology and readiness for action after exposure to Chinese music with environmental themes.

A training program with the working title "Harmony with Nature: Ecological Awareness through Chinese Music" can also be developed. In the introduction to the program, it is necessary to include an overview of the goals and objectives of the program, as well as a description of the role of musical culture in the formation of ecological consciousness.

A number of modules will be included in the program structure.

Module 1: Fundamentals of Chinese music and environmental topics. Introduction to the features of Chinese music. Exploring musical elements inspired by nature.

Module 2: Emotional perception and music. Analysis of the emotional aspects of music and their impact on the human condition. Analysis of environmental themes in Chinese musical works.

Module 3: Musical culture and environmental awareness. The study of the traditions of Chinese musical culture and their connection with nature. Creating your own musical compositions with environmental themes.

It is also important to highlight a number of potential problems that may be related to the topic of this article.

1. Lack of consciousness in relation to ecology. The influence of musical culture can shape certain values and beliefs in society. If the musical culture does not pay attention to environmental problems, this may contribute to a lack of awareness of the importance of nature and sustainable development (Siddaway et al., 2019).

2. Consumer behavior and its connection with musical culture. Music can influence consumer behavior. If popular music supports a consumer lifestyle that is incompatible with the principles of sustainability, it can reinforce a consumer culture that is harmful to the environment.

3. Education and enlightenment. Musical culture can be used as a powerful means of education and enlightenment. However, if there is no ecological component in musical compositions, this can negatively affect the formation of environmental literacy in education.

4. Cultural differences and prospects for sustainability. Different types of musical culture may exist in different regions of China. Some of them may emphasize respect for nature and environmental responsibility, while others may emphasize a more consumer lifestyle (Xiang et al., 2020).

5. Technological aspects and the influence of music platforms. With the development of technology, music has become more accessible through digital platforms. It is important to consider how these platforms shape the perception of music and what values they promote, including environmental aspects.

To solve the problems associated with the influence of Chinese musical culture on the development of environmental approaches in the field of education, the following ways can be proposed. Artists and music producers can be actively involved in the creation of works that raise issues of ecology, nature and sustainable development. Lyrics, music videos and concerts can be used to promote environmental care.

Creation of educational musical projects aimed at educating society on environmental issues. These can be concerts, master classes, music festivals dedicated to environmental issues. Formation of financial and organizational support for musicians and groups who actively introduce environmental themes into their work. This may include grants, contests, and other forms of support.

Within the framework of educational programs, educational materials can be expanded to include environmental aspects of musical culture. This may include studying musical instruments used in traditional Chinese music and their connection with nature.

Music streaming platforms and social media can play a key role in spreading environmental ideas. Collaboration with such platforms to create environmental playlists, campaigns and challenges can significantly affect the perception and behavior of listeners. Assistance in creating projects that combine music with other arts and sciences to emphasize the relationship between culture, music and ecology (Xiao & Watson, 2019).

These ways provide an opportunity not only to make music a more effective means for discussing environmental issues, but also to form positive changes in public consciousness and education, contributing to sustainable development.

## 5 CONCLUSION

The development of ecological approaches in education using the musical culture of China is a unique and promising area of research. After analyzing the problems and suggesting ways to solve them, several conclusions can be drawn.

The musical culture of China can be a powerful tool for the formation of values and education of society. The integration of environmental themes into musical compositions can contribute to a deeper understanding and responsible attitude to nature (Yang et al., 2021).

The diversity of musical traditions in different regions of China provides an opportunity to take into account cultural differences and integrate them into educational programs, enriching the experience of students. Collaboration with musical artists, producers and platforms can be a key factor for the successful implementation of ideas for environmental education through music.

Combining music, art and scientific disciplines can contribute to the creation of comprehensive educational programs that provide a deep and multifaceted understanding of environmental problems. The inclusion of society in the process of education and the formation of musical culture can create a positive public attitude towards nature and sustainability.

In general, taking into account these aspects, the integration of environmental themes into the musical culture of China is a promising way to form an environmentally literate society, where music becomes not only an art, but also a means of inspiration and change for the better.

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