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TRANSFORMATION OF BIOTIC VALUES IN THE ERA OF TECHNOLOGICAL DEVELOPMENT

Abstract: Modern technologies such as artificial intelligence, biotechnology, and digital systems are changing how people understand life and nature. This article explains how biotic values, which are based on respect for life and ecological harmony, are being transformed in today's technological world. The text discusses how digital tools affect human identity, how biomedical technologies raise ethical questions, and how society needs new value systems to protect both people and the environment. The article argues that technology improves human life, but it also creates new moral challenges that must be carefully considered.

Keywords: biotic values, technology, bioethics, digitalization, biotechnology, human identity, ecology.

Today's world is changing quickly because of modern technologies. People use artificial intelligence, digital platforms, and new biomedical tools every day. These changes also affect how we understand life and its value. Biotic values are the principles that describe the importance of living beings and nature. In the past, people understood life mainly through direct contact with nature. Now human life is closely connected with machines, digital spaces, and advanced technologies.

Biotic values traditionally taught people to protect life, respect nature, and live in balance with the environment. However, new technologies create new questions. For example, artificial intelligence can imitate human thinking. Virtual reality changes how people feel the world. Gene editing technologies

allow scientists to change the structure of living organisms. All of this makes us rethink what life means in the modern era.

Biotechnology has brought many positive results. Scientists can now treat genetic diseases, grow new organs, and improve medical care. At the same time, these technologies raise moral concerns. People worry about gene manipulation, the possibility of creating artificial life, and the unfair access to expensive medical technologies. These issues show that technological progress always needs moral guidance.

Digital technologies also change human thinking and behavior. Many people spend more time online than in nature. Their communication and daily decisions depend on digital systems. Artificial intelligence collects people's data and influences their choices. This affects personal freedom and human dignity. In such a situation, we must ask: what remains of traditional biotic values when life becomes more digital and less connected to nature?

Technology can also help the environment. Renewable energy, ecological monitoring devices, and smart systems help protect natural resources. But technology can also harm the planet due to industrial activity, pollution, and the high use of energy. Because of this, society needs a new understanding of ecological responsibility.

Today, scientists and philosophers talk about a new concept called "techno-biotic ethics." This idea suggests that human life, technology, and nature are all connected. It teaches that we must develop technology responsibly and protect the integrity of life. This approach supports both progress and ecological balance.

In conclusion, biotic values are changing under the influence of modern technology. People now understand life not only through nature but also through digital and biomedical systems. Technology helps humans, but it also changes how we think about life, identity, and morality. To protect the future, society must find harmony between innovation and respect for all living beings.

As technological development continues, new responsibilities appear for society. People now need to manage not only nature but also technological systems. These systems influence human life, health, and decision-making. For this reason, moral awareness becomes very important. When a person uses technology, they must also think about its consequences.

The younger generation grows up with technology, so their attitude toward biotic values is also changing. They spend less time observing natural processes, but they understand the virtual world very well. This may reduce their emotional connection with nature. Therefore, ecological education and the formation of a “green” mindset become essential tasks today. Even in the digital age, the ability to feel nature, care for it, and value it should not disappear.

Technology also affects economic systems. Large industrial processes require a lot of energy, and this increases ecological problems. Climate change, waste pollution, and water shortages force people to reconsider biotic values. Humanity must learn not to harm the environment for the sake of technological comfort. This will help create a culture of sustainable development in society.

Another important change in biotic values concerns the human being itself. In modern society, people are often seen not as biological beings but through digital identifiers. Social networks, artificial intelligence systems, and digital data have entered deeply into human life. This makes it harder to understand the true nature of the human being. That is why it is important to protect the biological, emotional, and spiritual unity of the person in the digital age.

In the future, technologies are expected to become even more powerful. Artificial intelligence will think in more complex ways. Biotechnology will extend human life. Digital systems will reach almost every area of life. During this process, the need for biotic values will grow even stronger. The meaning of human life is not found in technology alone, but in the connection between humans, nature, and moral values.

For this reason, future society must create a new culture based on harmony between technology and nature. In this culture, technology serves human needs, while nature is carefully protected. Human dignity, ecological responsibility, and the sanctity of life must always remain at the center. Only then can modern development strengthen, rather than weaken, biotic values.

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