

MAIN TASKS IN THE MATERIAL AND SPIRITUAL TRANSFORMATION OF BIOTECHNOLOGICAL PROCESSES

Shermanov Isobek Chilmamatovich*

*Docent,
Samarkand State University named after Sharof Rashidov,
Samarkand, Uzbekistan
Email id: shermanov1983@mail.ru

DOI: 10.5958/2278-4853.2023.00096.4

ABSTRACT

The article socio-philosophically analyzes biotechnological processes, which are one of the foundations of the country's development, and the essence of material and spiritual transformation into it, based on the fact that modern bioethical and biotechnological development is a single whole. Foundations for the development of the country.

KEYWORDS: *Biotechnological Processes, Transformation, Material Production, Spiritual Production, Development, Modernization, Diversification, Society And Humanity, Sustainable Development, Man And Society, Society And Nature.*

INTRODUCTION

In today's social development, modern biotechnology is a multidisciplinary scientific-practical direction, which appeared on the basis of achievements in biology, in particular (microbiology, genetics, molecular biology, biochemistry, etc.) and engineering sciences. The development of biotechnology, in turn, led to the acceleration of scientific and practical research conducted in several disciplines related to it. In particular, synthesis of various physiologically active substances based on microorganisms, for this purpose, creation of necessary and socially and economically effective, competitive microbial producers, separation of the necessary products from them, for this purpose, plant and animal cells and tissue. The progress achieved in the issues of tissue usage confirms the above points. Since biotechnology is multidisciplinary, it is a rather problematic task to reveal all its directions in one article or a certain scientific research work. However, in this article, the history, past, present and future of this direction in the development of biotechnological processes are presented. This scientific article tried to illuminate the scientific, practical and methodological foundations of modern biotechnological processes, in particular, the main tasks of biotechnological processes in the material and spiritual transformation and its main characteristics that are the guarantee of the country's development. In addition, it has been scientifically and philosophically analyzed that the stable social development of our country is related to material and spiritual production in any conditions.

At the end of the 20th century and at the beginning of the 21st century, there was a need for fundamental material and spiritual renewal, essentially purification, scientific and moral perfection in the field of human production. After various repressions and colonization, a person who has become distant from spirituality, materialized and rationalized, to realize where he made

a mistake has become the need of the country and his own life today. In order to fill the gaps in the psyche, morals and spirituality of a person, philosophically analyze the process of material and spiritual production in the independent social development of Uzbekistan, turn to the lives, thoughts, wise words, and writings of our ancestors and provide a universal solution to the problem. based on the basic review, the principle of "harmony of materiality and spirituality (pluralistic approach, independent thinking, training of the will, raising of thinking, critical assimilation of advanced technologies and culture of the peoples of the world)" into the modernization of the educational system The concept of creating a healthy competitive social environment through training was proposed. Because, in order to ensure the social development of New Uzbekistan, it is necessary to establish the material and spiritual production works of a national nature, without the implementation of this work, the social development of the country, achieved without independence There is no order to save in.

In Eastern philosophical thinking, studying the mysteries of the human psyche in relation to the materiality of a person is considered one of the most urgent and important problems. In particular, Abu Nasr Farabi said, "People create society according to their characteristics and natural needs. Their actions and actions are initially determined by natural abilities that gradually become habits" [Al-Farabi. 1989: p. 229.]. Western philosophy also has approaches to this issue. In it, a new interpretation of the human psyche began in the middle of the 20th century and was founded by F. Nietzsche [Nietzsche F. 1990.]. A. Bergson [Bergson A. 1908.], O. Spengler [Spengler O. 1992.], V. Dilthey [Dilthey V. 1978.] developed it and focused on understanding the essence of human life from the person himself. At the current stage of biotechnological development, it is inevitable that humanity will get rid of new dangers and threats that have not been solved by acquiring high moral values and realizing its human essence.

One of the controversial issues of modern philosophy is to solve the problem of the relationship between the material and spiritual production of biotechnological development, which is one of the foundations of the process of social development. A serious approach to this issue began in the 80s of the last XX century, and although the tradition of materialist dialectics, which was the ideological basis of the former socialist system, prevailed, however, the analysis of material and spiritual production different unique views and approaches were formed, and many debates took place between them [Girusov, E.V. Ecology and economics of prirodopolzovaniya. M., UNIT, 2000, Tolstikh V.I. Sotsialno-filosofskiyeproblemitheoriioobshestvennogoproizvodstva. – Voprosifilosofii, 1982, No. 4, Borodin Ye.T. Problemavozniknoveniyaproizvodstvaneposredstvennoyjizniobshestva. – Filosofskiyenauki, 1980, No. 6. Ilenkov E.V. Problemaidealogo.-Filosofskiyenauki, 1979, No. 7.].

This issue, apparently, cannot be solved by directly transferring the results of the analysis of one of the forms of realization of the dialectic of material production and spiritual production to its other forms. Nevertheless, a number of effective ideas expressed by various researchers make it possible to determine that the system of relations between materiality and spirituality is actually multifaceted [Torayev Sh. The combination of economic and spiritual factors in the development of a democratic society in Uzbekistan. - T.: Uzbekistan, 2011. (104 p.), Hayitov U. The role of spirituality in the development of society. - T.: "Spirituality", 2015. (32 p.), O. Sultanmurad. The secret of spiritual perfection. - T.: "Spirituality", 2015. (32 p.)]. But even from that point of view, things have only just begun. Many aspects of the interaction (relationship) between materiality

and spirituality in various spheres of human activity have not yet been studied. They include, among other things, the dialectic of materiality and spirituality factors in social development.

The methods of objectivity, historicity, logic, succession, systematicity, hermeneutics, interpretation, comparative analysis of scientific knowledge were used in this study.

It is impossible to ensure the independent social development of Uzbekistan at a constant pace without philosophically researching the material and spiritual production process taking place in the life of the society, without taking into account its results. The implementation of this work theoretically and practically, in turn, allows to transform them by fully understanding the dialectic of material and spiritual production processes in general, private, and individual ways in all aspects of society's life.

In this regard, President Shavkat Mirziyoyev said, "...If the body of society is the economy, then its soul and spirit is spirituality, ... - We have decided to build a new Uzbekistan, we rely on two strong pillars. The first is a strong economy based on market principles. The second is a strong spirituality based on the rich heritage of our ancestors and national values" [People's Word, January 20, 2021, No. 13 (7793) // Spiritual and educational activities under the chairmanship of the President of the Republic of Uzbekistan ShavkatMirziyoyev on January 19 from the meeting of the video selector on the issues of fundamental improvement of the system, strengthening the cooperation of state and public organizations in this regard.].

Therefore, biotechnological development in the process of material and spiritual production forms the vital foundations of any society. In this case, material production usually means the creation of material products - food, clothing, housing, etc., as well as the provision of services necessary for production [O'lmasov A., Vahobov A.V. Economic theory. - T.: "East", 2006.- B.30.].

The development of biotechnological processes in the conditions of globalization, the main characteristics of the development of material production processes in Uzbekistan:

- 1) Effective use of natural resources based on new modern techniques and technologies;
- 2) Productive use of all advantages of the market economy, organization of production on the basis of initiative and entrepreneurship;
- 3) Economic activity on the basis of multiple ownership and strengthening of property saving activities on the basis of strengthening people's sense of ownership of their property;
- 4) The status of economic independence is given to each entity that creates material benefits;
- 5) Continuous modernization and diversification of production sectors and industries;
- 6) It is represented by the involvement of innovations in the main branches of production.

And spiritual production is created in the process of mental and physical work of individuals and society, loyalty to the motherland, family, parents, relatives, neighbors, independent state - a free and prosperous Motherland in the minds and bodies of people, nations and peoples. , it is said to the socio-economic, political-legal, cultural-educational benefits that form moral and spiritual qualities such as respect, trust, memory, conscience, freedom and give them strength. Such benefits include, first of all, young people brought up in the spirit of loyalty to the Uzbek people,

and with their enthusiasm and enthusiasm, they will conquer the scientific peaks of our country, win victories in sports fields and raise the flag of our country. it is possible to enter the ocean of national and universal values and walk with their heads held high, realizing that they are no less than anyone else with national pride and pride. Therefore, both the driving force of spiritual production and its product are human beings who have acquired high spirituality, who can create any blessing with their intelligence and selfless work, and who can direct it towards goodness. is considered.

Therefore, by harmonizing the material and spiritual production of biotechnological processes in the global information space, it is possible to embody all the information about the work and events happening in any corner of the world in nature, society, human thinking, and use them quickly. it will be possible to receive fast insightful messages and information through infrastructures consisting of provision, compact and high-quality techniques and technologies. Therefore, according to the objective of harmonizing material and spiritual production from a socio-philosophical point of view:

first, nature (universe, earth, water, soil, plants, animals, etc.);

secondly, society (people, public associations, states, their structures, economic, political, spiritual and educational activities);

thirdly, it is possible to divide into groups providing detailed information about human activity (physical and mental capacity, health, mind and thinking, mentality, inclination, etc.). But this does not end the problem of their classification. By the way, the faster and more consistent the events, events, and processes happening in the existing world, the more and more diverse the flow of information about them.

In addition, according to our research, today's information can be divided into three large groups according to the subject: first, tools based on technologies that store, process and transmit information, reflecting it quantitatively and qualitatively - from simple communication networks to today's complex technology compact and convenient tools of various types, from large and small devices built on the basis; the second, intellectual minds who are their creators; the third is the individual, community and other various associations that use them.

Today, many researchers believe that natural and environmental problems are dangerous and global in scale. There is no doubt that these studies will have a positive impact on the development of the direct economy based on the direct use of natural resources. But natural resources form the basis of the country's national wealth. These problems, together with the increase in population and a number of other factors, created the need to search for new ways to save resources and develop the economy. One of the ways to solve these problems is bioeconomy. It would not be wrong to say that it is characteristic of the traditional principle of using natural resources as a result of the negative attitude of man towards nature. [Girusov, E.V. Ecology and economics of prirodopolzovaniya. M., UNIT, 2000]. Bioeconomy offers a different approach. This concept is relatively new, but at the same time very relevant. It combines two disciplines, ecology and economics. Simply put, bioeconomy is an economy based on the use of biotechnologies and ecological technologies in order to increase the efficiency of the use of natural resources and reduce anthropogenic pressure on the environment. Today it is the most high-tech innovative part of the economy. It has spread and developed in many countries.

[Bieconomikakaknovoyeiperspektivnoyenapravleniye v ekomenikiJarashuyeva L.M., Bischekova F.R.].

About the role of biotechnological processes in the development of the country, the First President of the Republic of Uzbekistan I.A. Karimov: "It is known that the issue of ensuring the rights and freedoms of citizens in the field of information includes the right and freedom of a person to receive information, to spread information and his personal opinion. has been embodied, and this is an important condition for establishing the foundations of a democratic society in Uzbekistan, so to speak, a cornerstone" [Karimov I.A. High spirituality is an invincible power, Second Edition. - T.: Ma'naviyat, 2016. - B.67.], he said. So, if the global information space exists as a social phenomenon, its influence on the spiritual-ideological, material and spiritual activities of our society can be explained as follows.

1. The global information space - first of all, it helps to solve economic issues and problems quickly due to its action through information infrastructures such as banking, finance, insurance, advertising. In the same place, if the economy is ideologized, ideological activity has risen to a politicized level, and signs of totalitarianism are visible in it. That is why our economy is established on the basis of the principle of independence from politics, spiritual-ideological activity is aimed only at the establishment of human freedom, initiative, entrepreneurial activity, and informational entrepreneurship "knows no limits" » is expressed by the fact that a wide path is being opened.

2. The global information space - secondly, it serves to deepen democratic processes and increase the political activity of the population by launching its infrastructures consisting of mass media. So, through it, people will be lucky to finally understand the essence of a democratic society and to form and develop their national democratic culture that conforms to international standards.

3. No matter how positive the global information space is, the sharp increase in its use as a spiritual-ideological weapon in the field of ideological activity, national-spiritual security, that is, the green of spiritual-ideological protection from the enemy requires organization. Without this protection, our country may lose its spiritual independence in the field of spiritual production. Therefore, within the framework of the global information space, against the dark-minded forces that are organizing an ideological attack against the independence of our country, the peaceful living of our people, and the destruction of national and universal values by various destructive ideas and ideologies, - it is appropriate to establish effective use of the factors of ensuring national-ideological security in carrying out ideological activities. Professor S. Otamuratov said the following about this: increase the level of speed of our national intellectuals; to consistently continue our national-spiritual recovery; to make our national-spiritual heritage an integral part of youth consciousness and worldview; to enforce our language to the extent prescribed by law; development of rural cultural and spiritual life in accordance with the requirements of the increasing levels of globalization; increase the activity of national intellectuals; achieving the rule of law and consistently developing democratic values in our country [Otamuratov S. Globalization and national-spiritual security. - T.: "Uzbekistan", 2013. -B. 444.] introduces factors. Undoubtedly, such factors, which have been shown by the scientist, will affect the moral-ideological competitiveness of our people against the envious people who cannot see the

progress of our country, and also against those who throw destructive ideas and ideologies through the infrastructures of the global information space by our enemies. serves to provide.

In this regard, according to scientists, "development is not a general description of the world, but a characteristic of material and spiritual systems in the world" [Nazarov Q.N. Foundations of philosophy. - T.: Publisher of the National Society of Philosophers of Uzbekistan, 2012. - B.297.], gave the definition. Based on these definitions, it can be said that sustainable development is the progressive movement of the material and spiritual systems in the world in a harmonious manner in a stable and stable environment.

Summarizing the above points, the following conclusions can be reached. The solution to the problem of harmonizing the main tasks of biotechnological processes in the material and spiritual transformation is related to the solution of three global issues.

The first is the moderation of the harmony of relations between "man and society", which basically requires each person to act according to the laws of dialectics in accordance with the interests and needs of society.

The second is the reconciliation of the relationship between "sociium and humanity", which requires each society to take reasonable actions to decide the future fate of humanity based on the present, that is, humanity will not be brought to the brink of destruction, but a bright future. It is enough to express how to start. In this case, the main issue is to save humanity from disasters caused by various social conflicts (world, local, regional, local wars and conflicts).

The third is the reconciliation of "society and nature", where the main issue is to find a reasonable solution to environmental problems.

These global problems require, on the one hand, the harmonization of material and spiritual production processes, and on the other hand, these problems cannot be solved without them, and the main issue is that materiality and spirituality are inseparable from each other, that they are like two wings of a bird, or means that without one, the second cannot fly to high peaks without the second [MirziyoyevSh.M. People's word January 20, 2021 #13 (7793) issue].

Therefore, social philosophical analysis and research of this problem is necessary.

LIST OF REFERENCES

1. Mirziyoev Sh.M. People's Word, January 20, 2021, Issue No. 13 (7793).
2. Karimov I.A. High Spirituality Is An Invincible Power, Second Edition. - T.: Spirituality, 2016. - B.67.
3. Karimov I.A. The Concept of Further Deepening Of Democratic Reforms And Development Of Civil Society In Our Country. - T.: "Uzbekistan", 2010. - B.28.
4. Olmasov A., Vahabov A.V. Economic Theory. - T.: "East", 2006.-B.30.
5. Otamuratov S. Globalization and National-Spiritual Security. - T.: "Uzbekistan", 2013. - P. 399, 444.
6. Independence: An Explanatory-Polar Dictionary. - T.: "Sharq", 1998. - B.18.

7. Nazarav Q.N. Foundations of Philosophy. - T.: Publisher Of The National Society Of Philosophers Of Uzbekistan, 2012. - B.297.
8. Girusov, E.V. Ecology and Economics Of Prirodopolzovaniya. M., Unit, 2000
9. Jarashuyeva L.M., Bischekova F.R. Bioeconomy Is A New and Perspective Direction And Economy.