



## SOCIO-PHILOSOPHICAL IMPORTANCE OF THE SCIENTIFIC WAY OF THINKING

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### Abstract

Today, as a result of the process of globalization covering the earth, drastic changes are taking place in the consciousness and thinking of mankind. In particular, various mental influences on the way of thinking are increasing. The importance of scientific thinking is incomparable for the understanding of the world, the comprehensive understanding of the laws of life and society, and the worldview of different peoples and nations on earth. In a word, arming our youth with scientific thinking is the need of the hour.

**Keywords:** Thinking, thought, reasoning, mental cognition, structure, essence, being, nature, society, logic, mentality, epistemology, selective, verbal, prediction

Among the thinking styles, the scientific thinking style has a special place. "Scientific way of thinking is a complex process according to its epistemological function, logic and historicity are important, it includes principles such as worldview, management, scientific forecasting, knowledge of a changing nature according to its application [1]. Therefore, the scientific way of thinking is a universal way that can combine philosophical, logical, and dialectical ways of thinking. The scientific way of thinking is not formed in a person by itself, but it is formed and it has an individual and collective appearance. For example, a scientist or his team in any field of science. This method, in our opinion, is a combination of hypothesis, guesswork, evidence, fact, experience and creativity. Creativity plays the most important role in scientific thinking. So, scientific thinking is a combination of both rational and irrational knowledge.

One of the unique aspects of the scientific way of thinking is that it is not suitable for all people. In our opinion, it belongs to a scientist or a community of scientists in a certain field of science. Therefore, acquiring a scientific way of thinking and using it effectively requires constant work. Another distinctive feature of this way of thinking is the positive and negative use of the results of this way of thinking. For example, Alfred Nobel, who discovered dynamite, actually made a useful discovery, but it can also be used to physically destroy humans, or through gene technology, create





something useful for humans, and vice versa, destroy humans as a species. Based on the above thoughts, we based the functional analysis of the scientific way of thinking with the following:

combines all styles of thinking;

encourages the scientist to hypothesize, speculate, experiment, and most importantly, create;

eases a person's way of life (also causes various problems);

increases development to a higher level (and vice versa).

Scientific way of thinking according to its structure and functions complex, not only methodological elements, but also values, in particular, it is a form of knowledge that includes philosophical elements.

The scientific method of thinking acts as a specific a priori system of thought forms for the given conditions in a certain historical period of its activity. Within this system, experience is organized in a certain way. The way in which thinking style fulfills its constructive tasks is the following four functions does with:

obtaining critical function or knowledge, verifying it, constructing it evaluate methods and theoretical structures (hypotheses) function;

selective function - hypotheses (theories), methods and category selection function;

verbal function is evidence and theoretical knowledge specific to science formalization function in historical language;

prediction - ideas, research directions, new method definition function.

Interrelationship between the way of thinking and the method of scientific knowledge how? They describe the cognitive activity of the subject, i.e which does not describe the object, but is implemented with it methodological units of knowledge that define actions is considered Style and method are described and noted in the texts if so, they have the logical form of normative propositions constitutes a specific system of regulatory principles. They are realizes the activity of the subject of cognition and in relation to it something external is not considered, between subject and object does not stand, but rather from the content of the concept of "subject of knowledge" takes, acts as its properties, the world of the subject as a result of a creative, intensive activity of change and knowledge occurs.

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