

## Science of Ahangyol and Its Importance for Modern Scientific Thought

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**Abstract:** The Article briefly discusses the need for generation of the Science of Ahangyol, and this science's scientific basis, object and subject, category system, scientific research methods and application options. Ahangyol is a universal science and may be useful in any sphere. It may assist in problem solving in peacemaking process and in many areas such as ecology, economics, politics, culture, management and etc. This science stipulates that any activity and any decision made in the life may only and solely be successful when they comply with harmony principles more, which are the principles of existence and activity of the world. A right strategic approach of the Eastern Philosophy and the Middle Age Islamic Philosophy and scientific thought has an important potential. This strategic approach creates opportunities to also consider irrational factors in addition to rational ones comprehensively in scientific researches. The modern scientific thought contributes to implementation of these opportunities. Ahangyol is a science of determination of ways to achieve harmony in any sphere and of creation of special methods to make progress in these ways through assistance of the modern science. Methods of the System Theory, Mathematics, IT, Astronomy, Physics, Biology, Sociology, Statistics and etc. are more extensively applied. Information is given on some of these methods. Moreover, the Science of Ahangyol, which is a new philosophical worldview and a new paradigm contributes to clarification of metaphysic views considerably and discovery of the scientific potential of religious books.

**Key Words:** harmony; system theory; new paradigm; irrational factors; eastern philosophy; management

**JEL codes:** C

### 1. Need for Generation of Science of Ahangyol

The existing modern scientific system has been mainly shaped under the influence of the Western scientific thought after the 14th century. In the development history of science, the Western science mainly has taken the relay from Islamic scientists of the Middle Age, during which no necessary importance was attached to the knowledge, thoughts and conditions of the Islamic scientists of the Middle Age on generation of science, not complying with rationality. As a result, the Modern Western science system and in general the global secular science system under its influence have been mainly shaped on the basis of rational factors and the principle of pragmatic approaches. Such a scientific system looks highly attractive at first sight and was considered highly successful until the mid-twentieth century, although in reality the result achieved in science since the second half of the 20th century show that no desirable output may be accomplished by conducting researches only on the basis of rational factors. And it becomes harder in the systems getting increasingly complicated as globalization gets

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accelerated. Therefore, there is a need for generation of a new scientific paradigm, which should be established on the basis of consideration of all the outputs that science gained throughout the way it has passed. Particularly a range of outputs achieved by the Islamic scientists of the Middle Age may be highly useful, as those scientists searched for ways of conducting researches by considering rational factors jointly with irrational factors during five centuries and accomplished significant outputs. The level of the modern science enables to benefit from these outputs more practically, which may play an important role in improvement of the modern scientific system. The Science of Ahangyol is an important step taken in this sphere. The key idea of this science was supported by L.Zadeh, a prominent Professor of the California University, who was one of the great scientists of our time and played an important role in forming of the modern System Theory and founded the Science of Fuzzy Logic. He published the key points of the Science of Ahangyol on BISC electronic magazine on July 7, 2011. Then, articles were published and presentations were made on the Science of Ahangyol in 15 countries. Also, articles describing the application of Ahangyol were published on modern and high index magazines.

## **2. About the Science of Ahangyol**

Being a new term, Ahangyol is made from the combination of two words, “Ahang” which means Harmony and “Yol” which means Way. The term of Ahangyol means the Way taking to Harmony (Ahang). In this sense, Ahangyol is a science of establishing the state of harmony in any sphere/searching for the way bringing to the state of harmony. This Science was suggested in 2008 by Azerbaijani Sociologist & Mathematician Ahmad Gashamoglu. The key provisions of this science are as follows:

The whole universe is an organism surviving in unity and having an infinite dimension. The Earth and each existence in this planet is a part/particle of this universe. The universe has been existing and functioning based on the principle of harmony for million years. The principle of harmony is the key principle of action of the universe. So, any sustainable success would only be achieved if any processes taking place in the society which is a part of the universe continued in compliance with the harmony principle that is the principle of existence and action of the universe. Otherwise, no success, if achieved, would be sustainable and failure would start after some time period.

Now, we should discuss harmonic development rather than sustainable development that is discussed globally nowadays, and should determine its key routes. Any factor breaking harmonic development should be treated more carefully by bringing together the key achievements of science in this sphere.

The modern science existing at the present time was founded on the basis of the canons of the Western science after the 14th century, primarily on the basis of rational and pragmatic approaches. For sciences to become perfect, first of all, considerable changes should take place in Mathematics. In this respect, Fuzzy Logic started to make early significant changes, which opened a new way for the sciences to reach perfection.

Now, the power of influence of the hierarchic system to which the Earth is a part is not sufficiently considered when studying any processes in the world. Studying the generation of any system in the Earth only on the basis of the Earth’s canons and justifying that they take place only under the influence of rational factors lead to many constraints and confusions. This is one of the key reasons of the issues that may not be solved in Philosophy and other sciences. More successful analyzes may be conducted if any process is reviewed in the light of the infinite universe system and under the direct influence of the Earth and hierarchic influences are treated more seriously.

Therefore, there is a strong need to re-review the Systems Theory, which may in turn contribute to understand the substance of any beings, including humans more correctly and lead to significant positive changes in many sciences and in the modern scientific worldview in general.

### **3. Key Scientific Basis**

The Science of Ahangyol was founded by studying the Eastern and Western Philosophies in combination as complementary to each other; studying religious books philosophically; and intensively applying systematic approaches. We can specifically mention the following sources as the scientific basis: (i) General Eastern Philosophy; (ii) Islamic Philosophy of Middle Age, Sufism; (iii) Religious Books (Philosophical Capacity); (iv) Systems Theory; (v) Organismic, Structural-Functional Theory; and (vi) Fuzzy Logic.

### **4. Object & Subject of Ahangyol**

The object of this science is to study the state of harmony in any sphere (existence, object, process). *According to Ahangyol, Philosophy starts from perceiving harmony.* So, the object of the science of Ahangyol is also the science of Philosophy.

The subjects of this science are to establish the state of harmony in any sphere and develop specific scientific methods to find out the ways bringing to the state of harmony.

### **5. About Category of Harmony**

Ahang (Harmony) is a human-perceivable sign of the power regulating the existence and action of the universe.

Each existence in the universe system has a specific purpose (mission) to establish harmony. Any existence adequately fulfilling its purpose (mission) is in the state of harmony. In other words, any natural existence would only fulfill its mission adequately if it were in the state of harmony.

Several existences/objects will be in the state of harmony if: (i) They establish a system; (ii) They have a common goal and strive for this common goal; (iii) If their resources generate an integrated system to achieve this goal; (iv) If each of them has an influence to direct the others to function towards this goal; and (v) If the movement of each of them towards this goal strengthens the movement of the others towards that goal as well. If these requirements are met, these objects will be in the state of harmony towards that goal.

### **6. Key Definitions & Categories**

Infinity; Allah (God); Prophet; Divine Inspiration; Discernment; Sensitive World; Wave Form of Existences; Harmony; Harmony Making Factors; Conflict; System; Reality; Human Being; Life Energy; Culture; Progress; Liberty; Purpose (Mission); Goal; Competence; Quality; and etc.

### **7. Key Research & Development Methods**

- 1) Any output that may assist in establishing harmony in any science may be used in the Science of Ahangyol, although it may be done according to harmony principles rather than through synergetic methods

- 2) The Science of Ahangyol finds it important to also research irrational factors in addition to rational factors, if necessary. Only the irrational knowledge not clearly being in conflict with the rational knowledge may be applied in the researches. Very frequently, the rational features of irrational factors provide information on these factors. There are relevant examples for this in Physics, Biology, Astronomy, Statistics and etc. The Fuzzy Logic enables generation of mathematic methods to enrich the knowledge in this sphere.
- 3) In the Science of Ahangyol, the following principles may be taken as rationale for foundation and development of the key research methods:
  - (a) Considering the components of the energetic system which is important for the existence and action of any existence/object. For example, we can differ the following 4 components of the energy that we call the life energy: (i) The energy that it takes from the hierarchic system to which it is a part; (ii) The energy that its own body generates at the expense of its nutrition; (iii) The energy that it gets from interaction with other existences/objects; and (iv) The energy provided by the sensitive world, that may not be reflected by rational factors directly.
  - (b) Research methods in any other direction may form on the basis of the following principle: If the harmony in any system gets broken, the top systems in the hierarchic system to which that system is a party take an action to restore the harmony, which starts a certain restoration process. As a result, either the harmony is restored, or, if it is unfeasible, the system with the broken harmony disappears.
  - (c) This principle also plays an important role in forming of scientific methods: harmony itself also assists the object moving towards it. In figurative sense, light moves toward you as much as you move towards it.
  - (d) Development of the Science of Ahangyol may considerably contribute to improvement of any methods in other spheres of science. The key misunderstandings or mistakes arisen in many spheres of science up to now originate due to failing to attach an adequate attention to the principles of harmony. Nowadays, this issue is very hot in creating an artificial intelligence. Generation of any artificial intelligence not contributing to the generation of harmony is unacceptable as it is dangerous for life.

## 8. Application Areas for Science of Ahangyol

Ahangyol is a universal science and its application in any sphere may contribute to achievement of better outputs, as there is an opportunity to study each part according to the rules of the entire body to which it is a party and each element according to the rules of the system to which it belongs during the application of this science, and draft recommendations. This science may first of all significantly contribute to improvement of philosophical knowledge. More accurate knowledge about each existence and each process in the life may only be obtained by perceiving harmony, the principle of existence and activity of the universe. Real philosophical knowledge may be achieved in the perception process of the harmony. The provision that the key purpose of each existence, including human beings is to serve to building of harmony in the environment to which it is a party serves to finding answers to a range of questions. According to Ahangyol, considering of a human just as a bio-social being does not enable to open his/her substance completely. Taking of the human as a cosmo-bio-psycho-socio being contributes to concretization of the criteria for his/her demand in any sphere, his/her activity capacity and his/her more quality growth. This approach enables determination of conditions to make significant changes in any public

science, including Sociology, Political Studies and Management. The Science of Ahangyol enables to concretely determine the crossing line of all religions, as all of them call human beings for only and solely making harmony through various methods, principles and faiths according to their substance.

The Science of Ahangyol is also a science of peacemaking. It is obvious that peace may be made in any social system — region, country and in the world if there is some harmony there. It is impossible to make peace by only making political decisions in a society and social system when this society and social system gets increasingly complicated. These decisions may happen by meeting the demands arising from the substance of the social system in which the peace is made. Ahangyol assists in development of methods to contribute to formation of these demands more concretely and coordination of them as well as settlement of existing problems.

Ahangyol is a very serious science of management. More successful, sustainable and continuous management may be achieved if the goal of the management is chosen in accordance with the substance of the managed object and in a way that may contribute to making of harmony and if the activity conducted to achieve this goal is implemented with harmony principles. Such management is a harmonic management. Any sustainability and continuity in any state accomplished through non-harmonic management may disappear in a short time. In this sense, Ahangyol is a science of progress. It is a science of improvement of the quality of social systems.

The Science of Ahangyol is also a science of political studies. If we call the politics a skill demonstrated to achieve any goal, Ahangyol may significantly contribute to development of methods to fulfill this skill harmonically without causing any tension. Ahangyol's methods have a wide capacity in both regulation and management of economic systems and bringing of the capacity of cultural systems to surface more intensively. After all, settlement of ecological problems is a matter of making harmony between human beings and nature. It may significantly contribute to development of medicine. The most useful medicine for a human is the energy that his/her own body finally generates. This energy is more efficient when there is harmony between the body's organs and the psychological and mental states. Ahangyol may highly contribute to higher concretization of these methods and etc. In other words, as mentioned above, this science is universal and may be applied in any sphere, as it enables to study any sphere according to the principles of existence and activity of the universe and make decisions, and contributes to it.

The science of Ahangyol presents the need for alteration of paradigms determining the substance of the modern scientific thought and modern sciences. It enables to discover the findings that sciences achieved until the 14<sup>th</sup> century, but remained in shade, which are sometimes criticized unfairly, and determine new development strategies for the sciences through the latest scientific theories. It clarifies that it is important to replace the modern science of Synergetics and the worldviews in this respect with the principle of harmony.

No doubt, early modifications on this way should take place in the Systems Theory. The modern Systems Theory has also shaped on the basis of rational thought. However, in the Eastern Philosophy and in the works of Aristotle, central principles of the Systems Theory are discussed, although its name is not mentioned. Considering the analysis of that information, the key considerations of the Islamic and Sufism Philosophies of the Middle Age, and the information in the area of Conformity of Organization of Hierarchical Systems of Ahangyol, the concept of system has been given an absolutely new definition that considers the modern reality more comprehensively. In this definition, the word of Mechanism of Influence in Hierarchic Systems is used. Surely, first changes should also take place in Mathematics. As much as Mathematics considers the influence of the irrational world, better measures quality variables and makes transactions on the basis of these variables, significant changes will also

take place in other sciences.

The school of L. Zadeh, Azerbaijan-origin American scientist, who was one of the greatest scientists of our time, is achieving significant results in this sphere. The Science of Ahangyol may play an irreplaceable role in formation of significant and vital criteria for development of researches on artificial intellect. People should only be allowed to conduct researches and make discoveries with regard to the artificial intellect in the order that the generated technologies serve to formation of harmony more. Any technologies breaking the harmony must be prohibited.

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