
**Creation of the Earth; Comparative and Analytical Comprehension:
Classical and Modern Theories.****Dr. Rizwanullah**Assistant Professor Islamic studies
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The study aims at highlighting different ancient and modern theories about the creation of the Earth. The purpose of the study is to bring forth various views about the creation of the earth so that different suspicions about it may be removed. The methodology used for the study is descriptive and comparative as different views are described and compared. Most of the scientific discoveries are based on sense and feelings and it uses the language of senses for its interpretation. On the other hand Islam and Quran use, along with these sources, the knowledge of 'wahi' (revelation), and stresses upon its own language for its events and discoveries, in which the occurrence of sense and matter are visible. But this language is more conspicuous with religious rather than scientific colour. The language of sense and feelings is adopted by man as a reaction to it. A standing example of this is the word 'dokhan' (smoke) in the holy Quran. This word is not used in the Quran only in religious context but also in scientific reality. When 'dokhan'(smoke) is taken as the amalgamation of different particles rather than only smoke, it is really a scientific approach. The same is the case with the word 'khalq', as it is used to mean a strategy and plan that we devise before starting some work, not only in the meaning of creation.

Key words: Earth, Quran, Science, Sense and feeling, Dokhan.

Introduction

An attempt has been made to explain the creation of the heavens and the earth by comparing them with the Qur'anic concepts and the ancient Greek and modern scientific ideas. There is a saying of Al-Razi in Tafseer under Surah Al-Naza'at that: “أَنَّ اللَّهَ تَعَالَى خَلَقَ الْأَرْضَ أَوْلًا ثُمَّ خَلَقَ السَّمَاءَ تَأْيِيًّا ثُمَّ”¹ When it was proved that Allah Almighty first created the earth, then the heavens and then spread the earth. He writes under the commentary of Surah Faslat al-Sajda that: “وَالْمُخْتَارُ عِنْدِي أَنْ يُقَالَ خَلَقَ السَّمَاوَاتِ”² , مُقَدِّمًا عَلَى خَلْقِ الْأَرْضِ”² In other words, the first thing that comes to my mind is that the creation of the heavens precedes the creation of the earth.

In order to apply the above statements, we have to go into the details of Al Razi, that what is the real investigation of Al-Razi about this issue? Imam al-Razi has some details about this issue. “ثُمَّ اسْتَوَى إِلَى السَّمَاءِ” refers to the fact that the heavens were created after the creation of the earth, and the verse, “وَالْأَرْضَ بَعْدَ ذَلِكَ دَحَاهَا” refers to the fact that the creation of the earth has been made after the creation of the heavens. It now creates a contradiction in the state of mind, and the common and well-known answer to this contradiction is that the earth was first created in the first two days and then the heavens were created and then the expansion of the earth. Al-Razi writes that the above-mentioned answer is not correct in his opinion because Allah Almighty created the earth in two days and blessed it with the provision of food.³

Such an existence of the earth is possible only when the earth is smooth and praiseworthy so that it is blessed with plants, and animals can live on it and to make their breeding possible. All of these distinctions are possible when the ground is smooth and levelled. Then Allaah says, “ثُمَّ” : “استوى الى السماء : “Then when the tasweya of the heavens is toward the earth and whatever is there in the earth are created afterwards”. Then the earth needs to be leveled and smooth.

Another question that has arisen is that the evidence of geometry and research shows that the earth is round! So now we can say this in response that the earth was rounded from the very beginning, then the state of its being smooth is disappeared, but all these things are useless because it is necessary for such a great body to be levelled.⁴

And the statement that the earth was created from a round rock in Jerusalem, does not carry any weight, because in order to make such a great body in such a place, it is necessary to intervene for the bodies that are dense. This is also impossible, if the above-mentioned historical fact means that small parts were created in Jerusalem and then the said parts were combined to form the initial shape of the earth, then the creation of the earth is after the creation of the heavens.

Now, if it is said that He created the earth in two days and then in two days all things were created and in two days the heavens were created, then these are six days in total and after that He created the smoothness of the earth, then the period of creation lasts for more than six days. In the above verses, there is a contradiction between the precedence and delay of the creation of the heavens and the earth. In case of removing this contradiction, if the aforesaid creation refers to invention and innovation, then in this case ayat, " ائْتِيَا طُورًا أَوْ كَرْهًا " shows the re-invention of the earth, and thus the invention of the existing one, becomes obligatory, which is invalid. In the said smoke, the creation of the heavens preceded the creation of the earth.

According to al-Wahidi ⁵ (468AH)(may Allaah have mercy on him), the heavens were created before the earth, and then the interpretation of " ثم " استوى الى السماء " is that the heavens were created before the earth in the form of smoke, and then in the said smoke the creation of the heavens was before the earth, and then there was the creation of the earth. "وقد كانت السماء قبل ذلك مخلوقة"⁶.

Although al-Razi has expressed reservations about this, many of Imam al-Fakhr al-Din al-Razi's sayings about it are known from the verse " كانتا رتقا ففتقناهما " which unites the heavens and the earth as one thing, that is, the earth and the sky were made of a single substance and partical, and both were the one and only thing in this state.

The second statement is that the word " ثم " in the above verse is not meant to delay the time, but only to delimit and acknowledge the rewards of God Almighty. And the creation took place only in the "period" and the heavens and the earth create from one thing and existence, then separate these days. This means that the creation of the heavens and the earth did not take place in any temporal concept, which gives rise to the idea of precedence and delay, but only in the pre-existing period.

At this point Imam al-Razi further writes: Although it has been narrated with him that Allaah created the earth on the day of Ahad al-Athnaan, that is, on Sunday and Monday, and the rest of the earthly things on Tuesday and Monday. And the heavens and whatever is in them, created on Thursdays and Fridays, and created Adam in the last part of the Friday. This is the part in which the resurrection will take place. This explanation blurs the concept of "period".⁷

Finally, Fakhr-ud-Din al-Razi writes that the best thing for me is that the creation of the heavens precedes the creation of the earth. Then what is the explanation of “ثم استوى الى السماء” ? The answer is that creation is not in the meaning of creation and invention, that is, in Surah Ha meem al-Sajdah, which mentions the creation of the earth, is not in the meaning of creation and invention but here creation means destiny. Al Razi proves it from, إِنَّ ۝^۸ مَثَلِ عِيسَىٰ عِنْدَ اللَّهِ كَمَثَلِ آدَمَ خَلَقَهُ مِنْ تُرَابٍ ثُمَّ قَالَ لَهُ كُنْ فَيَكُونُ . That is, the creation of Jesus is like the creation of Adam. Here if ‘Al-khalq’ means creation, the it means that Adam was created before Jesus. And when it came into existence then it was ordered through “كن فيكون” And it is not possible for Allaah to command this thing to reappear after it has been created.

This is not possible. But ‘Al- khalq’ here means fate/destiny. And destiny is the right of Allaah, which is the command of Allaah, through which that comes into being after he decrees, that is, to decree about something and to invent something, are different things. Intention and decision precede action and work. It means Surah Hamemsajda. In the verse, the word ‘khalq’ does not mean creation and invention, but only intention and decision and destiny. Now, “Khalq al-Ard fi Yumain” means that Allaah decreed that the earth should be created within two days, and that the earth should be created in the command of Allaah, through which that comes into being after he decrees, that is, to decree about something and to invent something, are different things. Intention and decision precede action and work. It means Surah Hamemsajda. In the verse, the word ‘khalq’ does not mean creation and invention, but only intention and decision and destiny. Now, “Khalq al-Ard fi Yumain” means that Allaah decreed that the earth should be created within two days, and that the earth should be created in such and such a period of time which is only ‘qadha’ and ruling. It does not have to be, so Allaah's judgment of the earth is before the judgment of the heavens, and this judgment was before the judgment of the heavens, so it is

not necessary for the judgment of the earth to be before the creation of the heavens. Thus the above contradiction has disappeared.

There is a reference in the commentary of Surah An-Nazi'at to the confirmation of qadha, decision and destiny, there is an indication from the word mukhtar in the commentary of Surah Fussilat, Al- sajdah, that according to al-Razi, the creation and invention of the heavens took place practically before the earth.⁹

According to Allamah al-Lusi, the spread of the earth has taken place after the creation of the earth, and it is said that both the spread and the creation of the earth took place at the same time. Ibn 'Abbaas (may Allaah be pleased with him) said: The earth was created before the creation of the heavens, and its expansion took place after the creation of the heavens. Al-Wahidi says that the creation of the heavens precedes the creation of the earth. It is clear from the narration of Allama Al-Wasi that the creation of the earth precedes the creation of the heavens, and that the spread and smoothness of the earth was made after the creation of the heavens.¹⁰

The Evolutionary Perspective of the Earth in the Ancient Greek Traditions:

All the ancient Greek traditions show that this school of thought also contained ideas about the evolution and creation of the earth. According to them, the earth came into existence before the heavens and later all the other bodies of the earth came into existence without any male. For such interaction, he (Parthenogenesis) i.e. without the involvement of male, the earth gave birth to the heavens. Thus, the great power of the earth is known from such kind of myths and legends. And in this way the earth is the foundation in which all kinds of animals, plants and creatures were brought into existence.¹¹

The Zen philosophy of America and Europe states that the earth plays an important role in creation. They say that the marriage took place in the heavens and the earth, which they call hierogamy. This myth is famous all over Europe, America and Asia. When the heavens were paired with the earth, then life came into being in innumerable forms.¹²

Evolution of the Earth in Science:**Earth History:**

The history of the earth refers to the evolutionary journey of the earth in which the planet evolved and assumed its present form. All the natural sciences are in the effort and research to study the initial event and condition of the earth carefully. Earth is part of the solar system. The creation of the solar system was actually caused by the Solar Nebula. It is a very fast moving cloud in which dust was found. It was actually a collection of gases. In the Qur'an, the term dokhaan/smoke is used for this.¹³

The nebula usually consisted of gases such as hydrogen, helium, and was formed 8.13 billion years ago, probably during the Big Bang. At that moment, large and heavy elements began to be emitted. The nebula came into motion due to the collision of strong waves and In this way, the cloud-like shape began to move.¹⁴

Due to the gravitational pull of the nodal elements and the colliding movements among the them and the friction of the elements, the nebula began to take the form of an early earthy plate (he protoplanetary disk) which was moving in a vertical direction from its center and pole, was formed by the collision of the elements in the above-mentioned plate and the rest of the debris which came into being on the "primitive earth", which moving on the centre of nebula - Further collisions and heat pressures caused the central explosion of hydrogen and helium to begin to form stars. These components began to merge to form the Sun, the outer part of the Nebula started to create "matter." Then there was more expansion in the early earth plate and the process of separation continued which took the shape of a round circle.

Then began the process of emitting the elements which were the components of the said dust and cloud, then the said components began to meet each other and continued to cause the creation of the rest of the planets. Early groundwater continued to evolve through emission, and this caused the siderophile metal to melt out of the center, causing the earth's crust and the earth's magnetic field to come into being. And thus the earth continued to grow on the path of embers. JA Jacobs was the first to say that the interior of the earth is liquid and hot and the outside is solid and cold. This outer part of the earth cools the inner part of the earth, as the outer

layer of the earth was covered with ice. We are living beings between the intensity of cooling and the intensity of heat, which cools down to 100 degrees Celsius every billion years. Scientists use the term "protoplanetary disk" for the primordial existence of nebulae. And for this case, Shahab al-Din al-Sayyid Mahmud al-Wasi has used the term 'yaqotahamra' for the early creation.¹⁵

In the beginning, the speed of the nebula from the centre was very slow from the angular momentum from the center. The constant falling and accumulation of heat caused an explosion of heat until it became the central union of hydrogen and helium. Furthermore, the "T-star" from this connection ignited the fire and amalgamated in the form of the sun. During this time, the outer part of the nebula became a substance due to the force of gravity, and the components of the thickening and dust began to form, and the plate of the primitive earth began to form a round circle. The components began to accumulate and the orbiting planets continued to form astronomical planets. In this way, the Earth was formed approximately 4.54 billion years ago.

The solar wind of the aforementioned TT star cleans most of the waste components from the plate. Due to the said action of the solar wind, the rest of the stars and planets in the universe came into existence, including the existing large planets. The creation of the earth began as a result of the said extrusion process, the inner part of which was very hot, due to which the cedro file metal began to melt, which was even thicker than silicate, and the said metals began to sink into each other. This union and condition is called the Iron-Catastrophe, due to which the primitive mantle and the primitive pulp and center came into being. Ten million years later, the earth began to form. Due to this the structure of the earth became possible and at the same time the magnetic force of the earth also came into being.

The process by which small components are transformed into larger components as a result of gravity is called the "ejection process". The emission of components from the nebula formed the earth and the force of gravity and the emission of gases from the lava formed the primordial atmosphere. Oxygen was not present in the atmosphere at that time and it was probably in a toxic state at that time which was not suitable for life, and then due to a big explosion the existence of the moon became possible

from the earth and due to the cooling of the earth the crust of the earth came into existence. And because of this crust, the existence of water on earth became possible. The existence of the first life on earth took place in the period between, 3.8 and 3.5 billion years. The first sign of life, graphite, which is an advanced form of carbon, was found to be due to the role of photosynthetic rays in life and the presence of light in the atmosphere. Life was very short, as it was 3 million years ago.

After that, many cellular organisms began to emerge, and 99% of all living species evolved, and there were more than 5 billion species of living things, and there are between 10 and 12 billion kinds of living things on earth, of which only one billion. There are living things, of which only 1.7 million species have been identified. And the remaining 8% are in the unseen. From the beginning of life, geographical and biological revolutions have been taking place on the earth, which has been constantly changing in various forms and subdivisions into all other sub-species. It played an important role in the formation of land, water, oceans and continents. In addition to this, ozone, which forms a layer in the atmosphere and covers the earth from above, became important and it played an important role in the state of life and through it oxygen continued to be purified and dust was created from them.

Geographers use Eon as a unit and to measure and chronologically describe the creation and events of the earth. Eon is divided into Era and then into Parade and then into Epoch and then into ages.

The two periods for determining the time for this purpose are Hadeen and Achin. The Hadeen era begins with the creation of the earth 4-6 billion years ago. The word Hadeen comes from the Greek language Hede which is used for the worldly god. And the Archean period began 2.5 billion years ago. Archean is derived from the Greek word arkh, meaning beginning.¹⁶

After the magnetic force of the earth, the inner pulp of the earth, which was in a solid form, began to form, which was different from the outer pulp of the earth, in the form of an outer liquid, which began to freeze continuously, the process of freezing was going on while cooling the inner part of the earth. The first in the history and record of the earth was "Hadine" which begins with the creation and formation of the earth.

Ancient rocks have been found on Earth 6000 billion years ago, and zircon crystal rocks have been found 4 billion years ago. Soon after the

Earth's crust, the idea of creating a "moon" arose. After a strong union of the Earth's early planets and bodies, the creation of the Moon began, which separated from the Earth in the form of a shroud. And created a layer in the atmosphere from which the moon was created. There was a collision of meteorites and meteorite impacts and this collision is known as Late Heavy Bombardment. The meteorite bombardment actually began about 1-2 billion years ago and continued until the end of Hadine, where volcanoes served to heat and dissipate heat. The discovery of zircon crystal shows that it had a deep connection with liquid, water, which gives rise to the idea of the presence of water and the presence of the ocean from the beginning on Earth. Cooling of the earth began in Archean period, Archean environment was not conducive to normal life because oxygen and the "ozone" layer were non-existent at that time, but it is still thought that the earliest forms of life date back to the Archean period, but the question remains, How and why did the transformation of living things take place? Scientists have only these words in answer to this question:

The first step in the emergence of life may have been chemical reaction that produces many of the simple organic compounds. Life may have started and spread through chemical reactions that resulted in simple types of organic compounds, as well as nucleus bases and nucleocides (Nucleobases and Amino Acids that are present in all three living things). Experiments have shown that enzyme molecules of methane, ammonia and hydrogen were produced in the aquatic environment and that these elements were converted into compounds with the help of light. Scientists also claim that parental enzymes were created before the earthenware plate, that is, organic matter was present before the earth was created.¹⁷

A Comparison of the holy Qur'an with Science on the Evolution of the Earth:

The initial form of Earth and Sky:

The Qur'anic explanation of this is that the heavens and the earth were joined together, then We separated them, and this shows that the heavens and the earth met in their original form and the two were intertwined. Then when they were separated, they became separate shapes.

The explanation of science is that it is important to consider the primitive shape and form of the earth, and it is known that the earth is a part of the solar system. The solar system actually came into being under

the sun and it is a fast moving Clouds that contained dust, was a collection of gases, meaning that the initial state of the earth and the sky was such that the two were combined as a combination of gases.

Smoke and Nebula:

AllamaAlusi explains about smoke that it is a matter of darkness. That is to say, smoke was the state where there was lack of light, and this refers to the substance from which they were composed, and I will speak about it in the appendix of Al-Jawahir al-Farda. It is mentioned in Ruh al-Ma'ani that the Throne was on the water before the creation of the heavens and the earth, and the water boiled and foam and smoke came out of it, the foam remained on the surface of the water and created the earth and there was a red ruby and then Allah Almighty looked at him with a glorious look which caused it to melt and smoke started coming out of him.

According to Allama Al-Wasi, the smoke is not the smoke that is produced by burning fire. Rather, it was one of the subjects of a certain kind of land¹⁸.

This means that it was basically a cloud of heat and steam after being excited, and a glimmer of dust rising from the glorious look at the Yakut Hamra, and the scientific explanation of nebula is that it came into being by the mixture of gases such as hydrogen and helium, and science uses the term cloud and dust to describe it, as well as the word molecular cloud for this condition. This is the condition for which the Qur'an has used the word smoke.¹

Components of land:

From the commentary, it is clear that according to Fakhr-ud-Din al-Razi, the earth and the rest of the universe are made up of small particles, for which the term indivisible is used, and Allama al-Wasi wrote that the universe is actually a jewel. And these gems of Al-Furrah or its components which were indistinguishable from it at that time were not in a state of light and illumination. Numerous elements were a combination of particles and molecules, including gases such as hydrogen, helium, and the combination of these elements in the form of dust and clouds formed the universe.¹⁹

Red rubies and platy pulmonary discs:

In this regard, Allama Al Wasi has written that when the Throne was on the water, there was a red kind of ruby. Towards which Allaah looked at

him with a glorious gaze which began to melt and emit smoke and its components. It was round and red.²⁰

The statement of science is that when the components of a nebula begin to come together as a result of pressure and collision, and come together in the form of a round plate, the two names refer to the same thing and condition, and the disc is also red in color. It was round in shape.²¹

. The Earth is round:

Regarding this, Allama Fakhr-ud-Din Al-Razi writes: The earth is a simple and uncomplicated body, and this can be true only when the earth is considered to be spherical and round in shape, because in this case, it is possible, and they argue from the verse of the Qur'an, “الارض مددنها” , Science states that the nebula, which was the outer part, created matter, and then added more to the process of the early earth's crust. Which began to take the shape of a circle and a sphere.²²

Ayam, Haddin and Archin:

What the Qur'an has defined as the time for the creation of the universe is not the days mentioned, but only to show and mention the concept of duration. According to Qazi, the mention of the days is not the explanation of the duration and time of the said human beings but according to and related to the Creator and Maker.

According to Ibn 'Abbas, one day is equal to a thousand days, so now human days, that is, six days, are equal to a total of six thousand days in our time.

Al-Razi writes: There is a reference to 'Sitta Atwar' from 'Sitta Ayam'. That is, six rounds of 'time' and 'period' means six boundaries and six variations of period.²³

Science uses two types of estimates for this estimation and evolution: a Haddin that dates from 4-6 billion years ago and the Archin period that began 5-6 billion years ago. The dimensions of these estimates and the 'Sitta Atwar' (six stages) of Al-Razi are the same. Haddin and Archin and Zari's six atwars are very close, although the six atwars are more extensive than Haddin and Archin.²⁴

Wind and Solar wind:

Fakhr al-Din al-Razi, in his commentary on the verse “Kanata Ratqa”, quotes Ka'b as saying that Allaah created the heavens and the earth in a state of unison, and then created the air, which is blown between this

combination, that is, the earth and the sky are separated by air pressure. Modern science states that the outer part of the nebula caused matter to form due to the force of gravity, and that the components of the thickening and dust began to accumulate and the earth began to take the shape of a plate. In order to separate the surplus components for further creation, the solar system was cleared by means of solar wind and the rest of the planets began to come into existence through the process of engrossing and absorbing.²⁵

Conclusion:

Reflecting on the early shape of the earth, is considered to be an important subject. It is known to everyone that earth is part of the solar system. Actually solar system is the product of the sun. This was, in fact, a kind of swift moving cloud intermixed with dust. It also explains the principles of human existence and subsistence. In which the principles of human existence and living are also explained. Due to which man's relationship with the material world has been limited to "necessity" and instead of the real owner, he has been made the vicegerent for this earth and only the "land of possession", so that he could use this power to unveil the mysteries and secrets of the universe and continue the practical and scientific endeavor of conquering the universe on human and biological basis. Simplify the human strategy in the face of nature and create useful harmony in the world of earthly realities and ideas. Thoughts be it religious or philosophical. , Or be it scientific, did not become a cornerstone for it, but linked universal and practical research to the need for human beings and life in order to ensure unity of thought and ideas by trying to create universal harmony for universal goodwill. Against this background, ancient and modern theories about the creation of the universe, the creation of the earth and the beginning of life, and the knowledge of the Qur'an, almost all seem to be harmonious and uniform. From them we come to this conclusion, that Allaah is the Creator, and the Sovereign, and that He is free from all forms of polytheism, and that the strange arrangement in the universe is a clear proof of His Oneness, and that it denies the existence of many gods.

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