

## **A Parallelism between the Hindu Trinity and the Biomolecular Trinity**

**\*Sambhu Bhusan Sao**

*Post Graduates the University of Burdwan*  
*Corresponding Author: \*Sambhu Bhusan Sao*

---

**ABSTRACT:** The Hindu trinity is of Brahma, Vishnu and Shiva. They are respectively the Creator, Preserver and Destroyer of the Universe. Hinduism is God's eternal duty shared by all forms the highest and the lowest, here and hereafter. The biomolecular trinity is of Protein, DNA (Deoxyribonucleic acid) and RNA (Ribonucleic acid). These three biomacromolecules are the structural and functional element of all life forms from the highest to the lowest organisms on the earth. The Hindu God's trinity and the biomolecular trinity exhibits striking parallelism.

**Keywords:** Hindu trinity, Protein, DNA, RNA, Central dogma of biology, Ribozyme

---

Date of Submission: 04-07-2017

Date of acceptance: 17-07-2017

---

### **I. INTRODUCTION**

Hinduism is the world's existing religion. Hinduism can't be neatly slotted into any particular belief system. It is a way of life- a "Dharma" that is the law that governs all action. It has its own beliefs, traditions, rituals, philosophy. According to Dharma every living being and every object in the diversity of God's creation has a role and a specific duty in God's manifested universe, without which creation will be incomplete. Hindu rituals have scientific background. Astronomy, Mathematics, Yoga, Health science etc are the field that were regularly studied in Hinduism from the beginning of the religion. Amazingly it is the only religion in which the time scales correspond to those of the modern scientific cosmology. The Hindu logics are accepted by world's most scientists.

#### ❖ God's trinity and the Central dogma of Biology

The Rig-Veda introduced the foremost of the Hindu Gods: Brahma, Vishnu, Shiva. Although each of these deities possess special attributes, they are considered manifestations of the same supreme "Isvara". In molecular biology life is the Isvara and it is manifested by Protein, DNA and RNA.

In the God's trinity Lord Shiva is 'Adidev' means 'Self origin' and the Lord of destruction. The fact is also applicable to RNA as it was the first autocatalytic primordial molecule proliferated before the evolution of DNA and Protein. In the RNA world RNA can store and replicate genetic information like enzyme and thus it was called Ribozyme. It can catalyze chemical reactions that are critical for life. The RNA world hypothesis places RNA at Centre stage when life originated (Alexander Rich, 1962). In early life form (Virus) RNA can be used to produce DNA by reverse transcription and in all cells RNA is necessary to synthesize Protein but as RNA is fragile it is destroyed soon after protein synthesis.

Lord Vishnu is maintainer and repository of the universe. DNA is also maintainer and repository biomolecule of the cell. Evolution of DNA in different life forms is homologous to 'avatars' of Lord Vishnu in different times or 'Yuga'. British geneticist and evolution biologist, J.B.S. Haldane, observed that the 'Dashavataras' (ten principal avatars of Lord Vishnu) are a true sequential depiction of the great unfolding of evolution. Dashavataras of Lord Vishnu show an uncanny similarity to the biological theory of evolution of vertebrate life forms on earth. Similarity between Lord Brahma and Protein is also very interesting. As the Lord Brahma is the Creator of the universe, Protein is the creator of Cell.

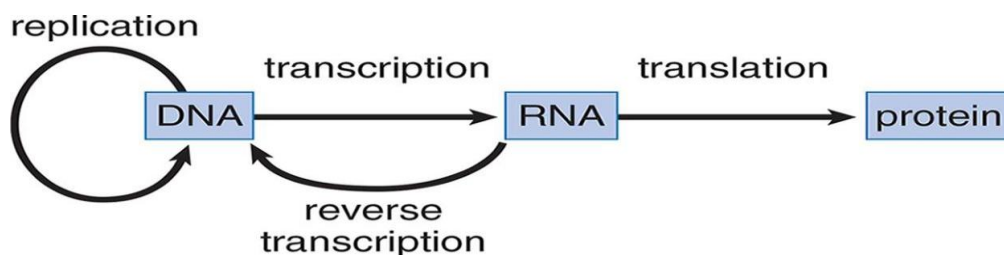


Fig 1: Central dogma of Biology

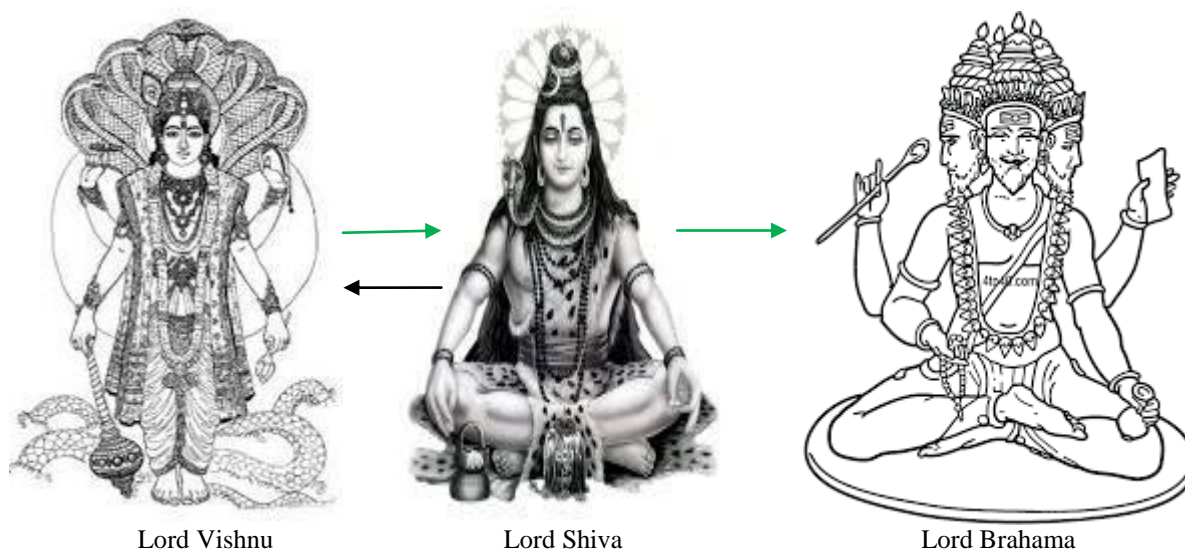


Fig 2: Hindu God's Trinity

## II. SUMMARY & DISCUSSION

There is a wonderful synergy between science and spirituality within the Vedic tradition and I don't believe there is a real border dividing them. Hinduism is a polytheistic religion, means that its followers believe in more than one god. The Rig-Veda introduced the foremost of the Hindu gods : Brahma, Vishnu and Shiva. Although each of these deities have special attributes, many Hindus believe they represent three properties of one God or 'Atma' means life. This spiritual believe in scientific perspective is like DNA, RNA and Protein are three properties of 'Life'. So, I think In the hindu God's trinity Lord Shiva is the RNA, Lord Vishnu is the DNA and Lord Brahma is the Protein. Their relation corresponds to the Central dogma of Biology. From this discussion I noticed a wonderful synthesis between my faith and the cutting edge of biological science. It helped me to understand that science and spirituality aren't mutually exclusive. I also saw how much faith we place in the field of science and its theories. Some would comment that faith is only necessary when it comes to matters of religion and that science is based on empirical evidence but it's not 100 percent accurate.

## REFERENCE

- [1]. Central dogma of Molecular Biology, Francis Crick, Nature, Vol-227, August 8, 1970,561-563
- [2]. The Origin of the RNA World, Cold Spring Harbor Perspectives in Biology, Vol 4(5), 2012 May by Michael P Robertson and Gerald F doyce
- [3]. Brahma, Sanatan Society by Christine Gruenwald and Peter Marchand
- [4]. [https:// www.hinduwebsite.com/hinduism/hindutrinity](https://www.hinduwebsite.com/hinduism/hindutrinity)
- [5]. [www.godrealized.org/hindu/trinity.html](http://www.godrealized.org/hindu/trinity.html)

Sambhu Bhusan Sao. "A Parallelism between the Hindu Trinity and the Biomolecular Trinity."  
IOSR Journal Of Humanities And Social Science (IOSR-JHSS) 22.7 (2017): 62-63.