



# Exploring Vegetarianism in Tiruvalluvar's Tirukkural: A Qualitative Study On The Ethical and Philosophical Perspectivess

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**Abstract:** *The Nasadiya Sukta is a very popular Hymn of Creation from Rig Veda. It has a good philosophical importance and is relevant for the discussions also. In the present paper, an attempt has been made towards a qualitative research for the Nasadiya Sukta from Rig Veda. Different translations have been selected from the secondary sources for the analysis. The basic qualitative analytical methodology used is the thematic analysis. Primarily, three kinds of thematic analysis has been studied towards the identified and selected traslations of Nasadiya Sukta viz. The Gemini Google, Bing Co-pilot ChatGPT 4 and OpenAI ChatGPT platforms. Apart from this, the similarities and comparisons had been observed and major results are drawn upon in the paper. The importance of the Nasadiya Sukta has been observed in research.*

**Keywords :** *thematic analysis, Nasadiya Sukta, chaptgpt, bing, gemini google.*

## 1. INTRODUCTION:

The Nasadiya Sukta has been identified from Rig Veda. It is 129<sup>th</sup> Hymn from 10<sup>th</sup> Mandala of Rig Veda (Contributors., 2024). It is one of the topics discussed and introduced in the domain of Philosophy and Sanskrit literature (ContributorsCM., 2024). With the introduction to the Hymn of Creation in Rig Veda, a number of translations had been done towards the proper understanding and interpretation of it by the global scholars and Indian thinkers like Swami Vivekananda. An attempt has been made to compile all the important translations in one research paper and ponder more upon it. As a result, there are the following research questions raised from the perspective of the qualitative research:

- What are main themes of the identified and selected translations of Nasadiya Sukta?
- Are there any similar themes present in it?
- How can one explore more into the depths of the Nasadiya Sukta?
- How an one describe the themes present in the Nasadiya Sukta?
- Can one perceive the research on Nasadiya Sukta in other domains also or not?

It is with these questions at the background, an attempt has been made to dwell into the research on Nasadiya Sukta. This will help one to understand the following points :

- One may see and conduct research on the Hymn of Creation from a different angle altogether.
- One may understand various intricacies of it.
- One may know more about the nuances on it.
- There are chances to research about it through different perspectives like using contemporary software tools, online tools , etc.

## 2. LITERATURE REVIEW:

There are works exploring on the cosmological model of the universe, its creation and finding the similarities in the Nasadiya Sukta. There are implications of these results towards the contributions made in the modern physics. In other words, the physicists understood the concepts of the creation of the Universe (Arya, Roy, Khanna, & Srikanth, 1921). In another work, it was examined that there are many cosmologies in Nasadiya Sukta of Rig Veda. There are critical interpretations about it. However, the comparisons were made between the Hymn of Creation and the expansion of the



Universe (HG, 2024). Such interpretations gave way to major theories of the Universe like the Big Bang Theory (Humphrey, Cosmogogenesis in ancient Hindu scriptures and modern science. , 2015) (Shankar, 2020).

In another research, it was found that there is a Supreme being with a "definite form and with different qualities". It is very difficult to understand such concepts other than dealing with them in a philosophical manner (Bhat & Yadhukrishnan, The Theory of Imageless Worship in Sanathana Dharma, 2022). The Hymn of Creation has been compared with the "creative gendering" roles between Nasadiya Sukta and the Samkhya book. The discussions revolved around the dualistic roles of the matter and consciousness. Consequently, the creative notions were presented to the world of men and women (Natarajan, 2001). In another research paper, the author highlighted the concept of zero through the studies of Nasadiya Sukta (Khute, 2021). In one of the papers, it was showcased through the description of the creation to worlds of Mathematics and Logic(one o the subjects of Philosophy). In other words, a question was raised to describe the "Void" prior to the creation of the numbers (Bhat & Yadhukrishnan, . The Theory of Imageless Worship in Sanathana Dharma.) (Panikkar, The Vedic Experience: Mantramanjari (An Anthology of the Vedas for Modern Man and Contemporary Celebration), 2016). It was the Nasadiya Sukta that was highlighted and major discoveries were made for the mathematical numbers and other concepts (Fafat, 2023).

In the book titled " A Treasury of Indian Wisdom", the author presents the importance of the Hymn of Creation from the Nasadiya Sukta. It shows the importance of the philosophical topics and discussions on it (Singh, A Treasury of Indian Wisdom: An Anthology of Spiritual Learning., 2016). As a philosophical topic, there are discussions on the notions of truth, reality and discussions on the creation. There are discussions and comparisons with other religions like Buddhism (Walsh, 1994) (Skof, 2014).

The main gaps identified are shown in Table 1 (Webster & Watson, 2002) (Robinson, Saldanha, , & Mckoy, 2011) (Sandberg & Alvesson, 2011).

*Table 1: Details of the Gaps*

<b>Spotting Modes of Fundamental Gaps</b>	<b>Specified Versions Of The Identified Gaps</b>
Confusion Spotting	Explaining the Compleitive Identified Gaps
Neglected Spotting	Zones which were overlooked
	Research labelled as "Under" and not covered fully
	No support for empirical research
Application Spotting	1. Extensive Literature Review 2. Published papers which are complementary to the existing literature

With these above identified gaps, following points will be discussed under the headings:

### 1. Thematic Analysis

- a. Thematic Analysis as Philosophical Topics
  - i. With help of ChatGPT Version 3.5
  - ii. With help of Bing Co-pilot ChatGPT 4 and
  - iii. With help of Gemini Google

### 3. MATERIALS:

Different translations of Nasadiya Sukta were selected for the present study. Thus, the secondary sources were identified and analysed for the further research (Petek, 2015) (Raj, 2023) (Rickles, 2023). One may see the Table 2 for selected translations of the Nasadiya Sukta (Khute, 2021). These were selected from the following categories:

- a. As a book-chapter (Basham, 2004), (Doniger, 1981), (Flaherty, 1981) (Griffith R. T., 1897) (Kramer, 1986)
- b. As a website resource (Contributors., 2024) (ContributorsCM., 2024) (Krishnan, 2019) (Brereton J. , 1999) (Shrivastava, 2019)
- c. As a book (Griffith R. T., 1897) (Doniger, 1981) (Basham, 2004) (Brereton J. , 1999) (Flaherty, 1981) (Kramer, 1986) (Macdonell, 1922) (Muller, Rig-Veda-Samhita : The Sacred Hymns of the Brahman, 1862) (Olivelle, 2013) (Panikkar, Vedic Experience-An Anthology of Hinduism's Sacred and Revealed Scriptures) (Muller, A



History of Ancient Sanskrit Literature, 1859) (Muller, Rig-Veda-Samhita : The Sacred Hymns of the Brahman, 1862) (Wilson, 1850-1888) (Vora, 2023)

- d. As a research paper (Singh, Nasadiya Sukta - Explanation to the Translation of Hymn 10.129 of Rig veda, 2024) (Bhat & Yadhukrishnan, . The Theory of Imageless Worship in Sanathana Dharma.)
- e. As a refined translation (Stenudd, 2014).

#### 4. METHOD:

After selecting and identifying different translations of the Nasadiya Sukta, basic qualitative research methodology was adopted for the study. The main qualitative approach was based on the thematic analysis for all the translations. In this research, thematic analysis was subjected to :

Artificial Intelligence Large Language Model Platforms (AI LLMs) like

- i. LLM of OpenAI ChatGPT
- ii. LLM of Bing Co-pilot ChatGPT (limited to 2000 words)
- iii. LLM of Gemini Google

#### 5. DISCUSSION:

Following steps were maintained :

1. All the translations were subjected to the three most popular Artificial Platforms for the thematic analysis. The three platforms selected were Gemini Google, Bing Co-pilot ChatGPT 4 and OpenAI ChatGPT 3.5 versions.
2. The translations were introduced for further analysis in terms of identifying and recognizing the main themes in them.
3. Basic Conceptual Maps were drawn to see similarity between the themes.
4. Observations, implications, limitations and conclusions were drawn.

#### 6. ANALYSIS:

1. Thematic Analysis
  - a. Through Artificial Intelligence Large Language Models (AI LLMs)

Three main AI LLM Platforms were used for the thematic analysis of all the translations. They may be charted out as

- i. OpenAI LLM
- ii. Bing Co-pilot ChatGPT LLM and
- iii. Gemini Google LLM

The details of the analysis from OpenAI ChatGPT Version 3.5 are depicted in the Table 3.

*Table 2: Thematic Analysis From OpenAI ChatGPT, Bing Co-pilot ChatGPT 4 & Gemini Google*

S.No.	Nasadiya Sukta	Theme 1	Theme 2	Theme 3	Theme 4	Theme 5	Theme 6
1	OpenAI ChatGPT	Cosmic Creation	Existence and Non-Existence	Primordial Chaos	The role of Desire	The Unknowable Origin	The Divine Presence
2	Bing Copilot ChatGPT 4	Primordial Void and Existence	Emergence from Darkness and Water	Desire and the Primal Seed of Mind	Cosmic Forces and Impulses	The Ultimate Mystery and Divine Knowledge	
3	Gemini Google	The Mystery of Creation	Uncertainty and Multiple Possibilities	Questioning Authority and Knowledge	The Power of the Unknown	The Role of the Reciter	

(ChatGPT, 2024) (OpenAI, 2024) (Google, 2024)



## 7. FINDINGS:

From Table 3, one may observe the following:

- a. The thèmes are arranged in different numeric hiérarchie.
- b. The thèmes are not in the same order.
- c. The thèmes focus on Creation of cosmos, existence and non-existence, mystical knowledge, Desire or passion to know more, présence of mystical divinité, divine knowledge, starting point of Creation, etc.
- d. The order of the "generated" thèmes by the LLMs use different language.
- e. The philosophical thèmes are different from the ones generated by the LLMs.

### First Set of Observations:

The major findings of the analysis between the three AI LLM Models are really important ones for the present study. Some of them are the following ones :

#### Common Themes Across Models:

All three models, **OpenAI ChatGPT(OA)**, **Bing Co-pilot ChatGPT 4(BC)**, and **Gemini Google(GG)**, share common thematic elements related to cosmic creation, existence, uncertainty, and the mysterious or unknowable aspects of Origin. This suggests a shared exploration of fundamental and cosmic concepts in their final output.

#### Diversity in Emphasized Themes:

Each model places a distinct emphases on certain thèmes. For instance, **OA** leans towards exploring the cosmic creation, existence, and the divine presence, **BC** emphasizes thèmes like the primordial void, emergence from darkness, and cosmic forces and **GG** focusses on the mystery of creation, uncertainty, and the power of the unknown.

#### Variety in Interprétation of Cosmic Creation:

Different models interpret the concept of cosmic creation in diverse ways. For example: **OA** focusses on the cosmic creation itself, possibly reflecting a more traditional or Vedic perspective whereas **BC** expands on the idea of primordial void, darkness, and emergence, reflecting a different narrative style. Finally, **GG** explores the mystery of creation, emphasizing uncertainty and multiple possibilities.

#### Role of Desire and Primal Seed of Mind:

**BC** introduced thèmes related to Desire and the primal Seed of Mind. This adds a psychological dimension to the cosmic narrative, suggesting the influence of human or conscious elements in the creative process.

#### Questioning Authority and Knowledge:

**GG** introduced a theme of questioning authority and knowledge, indicating a more critical and inquiry-driven approach in its interpretation of cosmic thèmes. This could reflect a unique perspective on the relationship between creation and knowledge.

#### Cultural and Philosophical Influences:

The different emphases and interprétations across models may reflect the diverse cultural, philosophical, or stylistic influences embedded in the training data. Each one of the Models output is a product of the information it has been exposed to during training.

#### Emphasis on Uncertainty and the Unknown:

There is a consistent emphasis across the three LL models on thèmes related to uncertainty, the unknown, and the power of the mysterious. This may highlight a shared recognition of the limits of human understanding and the awe-inspiring aspects of cosmic creation.

#### Use of Different Terminology:

The three LL Models use different terminology to express similar thèmes, reflecting variations in language and vocabulary within their training data in their analysis in te study. The choice of words may contribute to the unique narrative style of each model.

### Second Set of Observations:

#### 1. Order of Themes:

Through their analysis, **OA** explores thèmes in the order of cosmic creation, existence, primordial chaos, the unknowable origin, the divine presence, and desire. On other side, **BC** presents thèmes in the order of primordial void and existence, emergence from darkness and water, desire and the primal seed of mind, cosmic forces and impulses, and the ultimate mystery and divine knowledge. However, **GG** explores thèmes in the order of the mystery of creation, uncertainty and multiple possibilities, questioning authority and knowledge, the power of the unknown, and the role of the reciter.



## 2. Unique Emphases:

**OA** emphasizes the cosmic creation and the divine presence in their analysis. On other hand, **BC** focusses on the primordial void, emergence from darkness, and introduced psychological elements related to desire and the primal seed of mind. It has been observed that **GG** stands out with its emphasis on the mystery of creation, uncertainty, and a unique theme of questioning authority and knowledge.

This detailed breakdown provides insights into the thèmes recognized by each LL model .However, it also throws light on the order in which these thèmes are presented in their analysis. It underscores the distinctive emphases and interprétations offered by each model in their exploration of Nasadiya Sukta thèmes.

## 8. RESULT:

The main results are the following ones :

- a. Identifying the main concepts through the thèmes
- b. Understanding the conceptual-thematic map for each of the AI LLM
- c. Différences in the thèmes in each one of the AI LLM
- d. Différentiation in the thematic order of the thèmes
- e. Différences in the number of the thèmes in each AI LLM
- f. Différences in the selection of the words for each of the identified theme in the AI LLM

One might even see the similarities and differences in the thematic analysis of the Nasadiya Sukta.

## 9. SIMILARITIES :

### 1. Cosmic Creation:

- Both **OA** and **BC** touch upon the concept of cosmic creation. They acknowledge the origin of the universe and its fundamental existence.
- **GG** also hints at “The Mystery of Creation,” aligning with this theme.

### 2. Existence and Non-Existence:

- **OA** and **GG** both delve into the interplay between existence and non-existence. They contemplate the boundaries of reality.
- While not explicitly stated, **BC** also indirectly addresses this theme through its focus on primordial void and emergence from darkness.

### 3. Desire and Creative Impulse:

- **OA** emphasizes “The role of Desire” in creation. Desire acts as a driving force behind cosmic processes.
- **BC** similarly explores “Desire and the Primal Seed of Mind,” connecting desire to the initial impulses of creation.

### 4. The Unknowable and Mystery:

- **OA** acknowledges “The Unknowable Origin.” It recognizes that certain aspects of cosmic beginnings remain beyond human comprehension.
- **BC** directly addresses “The Ultimate Mystery and Divine Knowledge,” emphasizing the enigmatic nature of creation.
- **GG** also touches upon “The Power of the Unknown,” aligning with this theme.

### 5. Questioning and Inquiry:

- **GG** explicitly highlights “Questioning Authority and Knowledge.” This theme resonates with the Nasadiya Sukta’s spirit of inquiry.
- While not explicitly stated, **OA** and **BC** also engage in questioning and exploration through their themes.

### 6. Narrative and Transmission:

- **GG** introduces “The Role of the Reciter.” This theme suggests an oral tradition or storytelling aspect, akin to the hymn’s recitation and transmission.





In summary, all three systems have been drawn from the Nasadiya Sukta's themes related to cosmic origins, uncertainty, desire, mystery, inquiry, and the role of tradition. These commonalities reflected the enduring relevance of the hymn across different interpretations and contexts.

*Table 3: Similarities In The AI LLMs*

<b>Similar Themes Recognized Between 3 AI LLM Platforms and Philosophy</b>															
S.No.	AI Platform	CC	E	PC	TU	DP	CF	U	PC	Q	I	M	NE	B	NB
1	Gemini Google	Y	Y	N	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y
2	Bing Copilot ChatGPT 4	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
3	OpenAI ChatGPT 3.5	Y	Y	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	Y
4	Philosophy	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

(ChatGPT, 2024) (OpenAI, 2024) (Google, 2024)

*Table 4: Abbreviations for the Themes*

<b>Cosmic Creation</b>	CC	<b>Possibilities</b>	PC
<b>Existence</b>	E	<b>Questioning</b>	Q
<b>Primordial Chaos</b>	PC	<b>Inquiry</b>	I
<b>The Unknown</b>	TU	<b>Mystery</b>	M
<b>Divine Presence</b>	DP	<b>Non-Existence</b>	NE
<b>Cosmic Forces</b>	CF	<b>Being</b>	B
<b>Uncertainty</b>	U	<b>Non-Being</b>	NB

(ChatGPT, 2024) (OpenAI, 2024) (Google, 2024)

*Table 5: Unique Themes*

S.No.	Nasadiya Sukta LLMs	Unique Themes
1	OpenAI ChatGPT	Emphasis on the cosmic creation and the divine presence.
2	Bing Copilot ChatGPT 4	i. Exploration of the primordial void, emergence from darkness, and cosmic forces. ii. Introduction of desire and the primal seed of mind.
3	Gemini Google	i. Focus on the mystery of creation and uncertainty. ii. Questioning authority and knowledge.

(ChatGPT, 2024) (OpenAI, 2024) (Google, 2024)

*Table 6: Recognized Order of The Themes*

<b>Recognized Ordered Themes</b>			
S.No.	Nasadiya Sukta LLMs	Recognized Themes (In Order)	Unique Emphases
1	OpenAI ChatGPT	1. Cosmic Creation	- Emphasis on the cosmic creation and the divine presence.
		2. Existence and Non-Existence	
		3. Primordial Chaos	
		4. The Unknowable Origin	
		5. The Divine Presence	
		6. Desire	



2	<b>Bing Co-pilot ChatGPT 4</b>	1. Primordial Void and Existence	- Exploration of the primordial void and existence.
		2. Emergence from Darkness and Water	
		3. Desire and the Primal Seed of Mind	- Introduction of desire and the primal seed of mind.
		4. Cosmic Forces and Impulses	
		5. The Ultimate Mystery and Divine Knowledge	
3	<b>Gemini Google</b>	1. The Mystery of Creation	- Focus on the mystery of creation and uncertainty.
		2. Uncertainty and Multiple Possibilities	
		3. Questioning Authority and Knowledge	- Unique theme of questioning authority and knowledge.
		4. The Power of the Unknown	
		5. The Role of the Reciter	

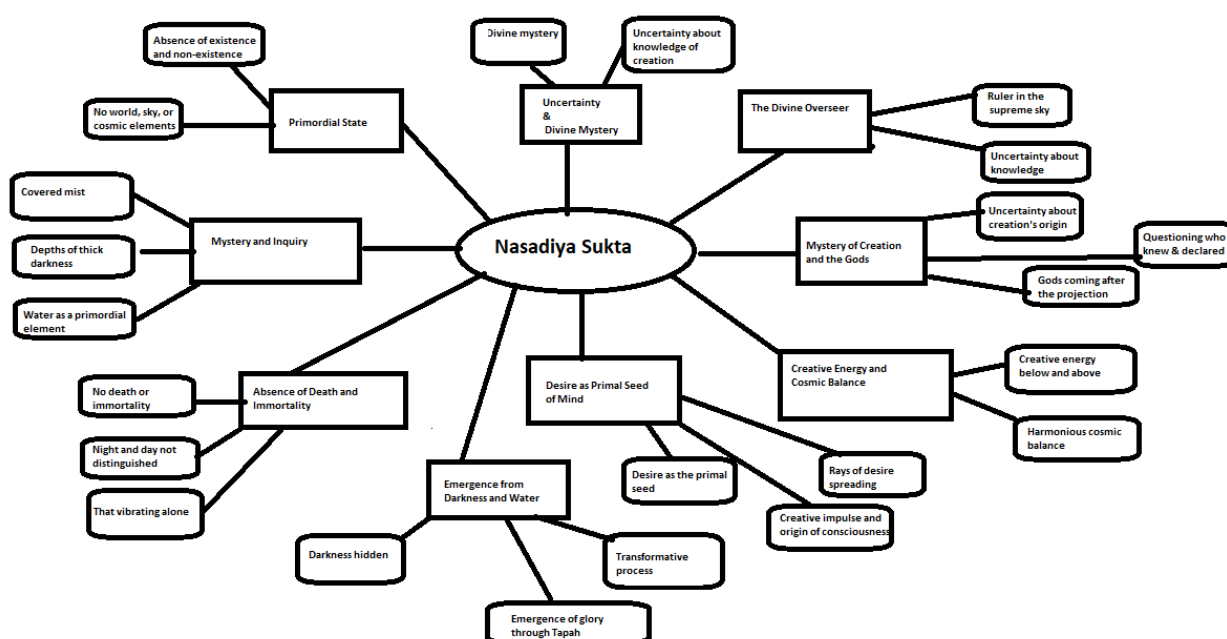
(ChatGPT, 2024) (OpenAI, 2024) (Google, 2024)

### 10. RECOMMENDATIONS:

It has been observed that there is a role of Nasadiya Sukta in the philosophical research study (Friedrich, 1830) (Ghose & Patra, 2023). With the help of the thematic analysis, the main and important themes give way to the world of research (Griffith R. T., 1856) (Humphrey, Cosmogogenesis in ancient Hindu scriptures and modern science., 2015). Since there is a mystery in it, there are other repercussions of it also (Narayanan, 2023). Hence, it is recommended to conduct another research to know more of its role in other domains also (Kashyap, 2023) (Natarajan, 2001). This may be done with the help of the AI LLM platforms.

### 11. CONCLUSION :

In the end, one may see the conceptual map based out of the drawn themes from the three AI LLMs. This has future scope to understand and comprehend the role of the Nasadiya Sukta-giving its importance throughout the golden ages of the research. The conceptual map is :



(ChatGPT, 2024) (OpenAI, 2024) (Google, 2024)



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