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Exploring *Lavana Kalpana*: A Comprehensive Analysis from Ayurvedic Perspectives

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ABSTRACT

Background: *Lavana Kalpana* is a unique dosage form that is prepared by combustion of *Lavana* and other drugs in a sealed earthen vessel, a procedure known as *Antaradhuma Dahana*. Formulations with the same procedure were recorded in numerous classical sources, but the precise name is not given.

Objective: To review *Lavana* formulations with their method of preparation, heating medium, confirmatory test, dose and other aspects based on Ayurvedic texts and analyse the gathered information.

Material and Method: Total 65 Ayurvedic texts were screened for detailed information about *Lavana* formulation, including its ingredients, preparation, properties, uses, dosage, and potential side effects. **Result:** A total of 21 formulations uses the term *Lavana* in their nomenclature from 14 classical texts while 20 formulations from 15 classical texts are prepared using methods like *Lavana Kalpana* but do not label as *Lavana*.

Conclusion: Classical literature has numerous references to *Lavana* formulations. Based upon the review, it can be said that even while *Lavana Kalpana* holds substantial historical significance, there is also a lot of room to enhance its therapeutic application through contemporary clinical research.

KEYWORDS: Combustion, Sealed earthen vessel, Heating pattern

INTRODUCTION

Ayurvedic pharmaceutics, encompasses the preparation of various formulations with different *Kalpana* (dosage forms) used in the treatment of diseases. This field involves a range of dosage forms, such as *Svarasa* (juice), *Kalka* (paste), *Kvatha* (decoction), *Hima* (cold infusion), *Phanta* (hot infusion), *Sneha* (oil or *Ghee*), *Sandhana* (fermentation), *Kshara* (alkaline preparation) and others. These preparations are designed to enhance the therapeutic properties of medicinal herbs, ensuring their effectiveness and safety in treating various pathological conditions in the body.

Among these various formulations, *Lavana Kalpana* holds a unique place due to its distinct preparatory methods in which *Lavana* (salt) serves as a key ingredient. *Lavana Kalpana* specifically focuses on the use of salt in Ayurvedic therapeutic practices, integrating it into different preparations in a manner that enhances its medicinal properties. *Lavana* is believed to possess significant therapeutic qualities like *Snigdha, Ushna, Tikshna* and *Dipaniyatama*. It also used in *Ajirna, Anaha, Vatavyadhi, Gulma, Shula* and *Udararoga*.¹ This preparation combines *Lavana* with other medicinal substances and is subjected to heat until it forms an ash.

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Different heating medium are used to prepare *Lavana Kalpana*. The most common preparation technique among them is called "*Antardhuma*," or "sealed earthen vessel heating technique."

Lavana formulations are made using a different origin of ingredients, as described in classical literature, including plants (*Arka*, *Narikela*), minerals (*Mandura*), poisonous substances (*Arka*, *Snuhi*), animal sources (*Kukkuta*, urine and dung of different animal), and alkaline substances (*Tankana*). Primarily, these formulations are used as internal medication in the management of gastrointestinal diseases such as *Shula* (abdominal pain), *Pliharoga* (splenic disorders), *Yakritaroga* (Liver disorders), *Gulma* (abdominal masses), *Udararoga* (abdominal disorders), and other related conditions.

Although *Lavana* formulations for various ailments were referenced in numerous classical literatures, the compositions' names are not explicitly identified as *Lavana*. Additionally, different preparation techniques are evident. Versality has been observed in the preparation, dosage and therapeutic usage of texts from the Charaka Samhita until the 20th century. Consequently, an effort has been made to review and analyze the gathered information related to *Lavana* formulations that have been prepared using *Antardhuma* and other methods.

MATERIALS AND METHOD

In this study, a screening was conducted from 65 Ayurvedic classical texts to gather and analyze data related to *Lavana* formulations, focusing specifically on those that prepared by *Antardhuma Dahana* and other method in combination with other medicinal substances.

RESULTS AND DISCUSSION

A total of 21 *Lavana* formulations are identified from 14 classical texts that titled as *Lavana* in the names of those formulations, while 20 formulations are identified from 15 texts that are prepared using a standard method for *Lavana* formulations but do not nomenclature

as the term *Lavana* in the names. These are primarily considered as *Lavana* formulations as well. *Lavana* formulations found in different classical texts are listed in table no. 1.

Sr.no	Name of Formulation	References		
1.	Vidangadi Kshara	Cha. Chi.13/80, C.D. 38/3, S.Y. 3/109		
2.	Pippalyadi Kshara	Cha. Chi.13/158-168		
3.	Pippalyadi Yoga	Cha. Chi.15/173-176		
4.	Bhallatakadi Kshara / Lavana	Cha. Chi. 15/177, C.D. 4/24-25, V.S. 20/103, Part 2, 3/81-82, Y.R.P. <i>Grahani Chikitsa</i> , N.A. Part 1, <i>Bhallatakadi Varga</i> , Pg no.322		
5.	Panchama Triphaladi Kshara	Cha. Chi.15/188-193, G.N. Part 2, 3/83-88		
6.	Ashtanga Lavana	Cha. Chi. 24/177-179, C.D. 18/11-12, B.R. 22/15-16		
7.	Vairechanika Lavana Yoga	Cha. Chi.26/24-25, A.S. Chi. 10/52, C.D. 29/6, B.R. 31/34		
8.	Patra Lavana	Su. Chi.4/30		
9.	Sneha / Kanda Lavana	Su. Chi.4/31, B.R. 26/12		
10.	Kalyana Lavana	Su. Chi. 4/32, H.S. 3/11/38-43, V.S. 21/118-119, G.N. Part 2, 4/66-67		

Table no 1: Different Lavana formulations mentioned in classical texts

11.	Kalyanaka Kshara	A.S. Chi. 10/51, A.H. Chi. 10/51, S.Y. 3/27		
12.	Maha Kshara	A.S. Chi. 10/53		
13.	Ksharagada	A.H. Chi. 14/103-106		
14.	Hingavadi Kshara	A.H. Chi. 15/70-73		
15.	Narikela Lavana	C.D. 27/21-22, B.P.M. 30/68, B.R. 30/69, R.T. 14/123- 127, N.A. Part 2, <i>Taladi Varga</i> Pg 675, B.S. Pg no 247, A.S.S. Pg no 702		
16.	Nadeyadi Kshara / Lavana	C.D. 30/58, V.S. 67/134, G.N. Part 2- 25/52, Y.R. U. Vatavyadhi Chikitsa, S.Y. 3/165		
17.	Arka Lavana / Kshara	C.D. 37/43, G.N. Part 2, 32/96-97, R.T. 14/131-132, N.A. Part 2, <i>Arakadi Varga</i> Pg no.7, B.S. Pg no 247, A.S.S. Pg no 702		
18.	Putikaranjadi Lavana / Putikadi Churna / Kshara	C.D. Putikaranjadi Lavana, G.N. Part 1, Churna Prakarana, S.Y. 3/78		
19.	Abhaya Lavana	V.S. 11/210-214, B.R. 41/32-40, B.S. Pg no 247, A.S.S. Pg no 702		
20.	Arogya Lavana	G.N. Part 1, Churna Prakarana,		
21.	Arkapatradi Kshara / Churna	G.N. Part 2, 4/50-5, S.Y. 3/7		
22.	Mandura Lavana	G.N. Part 2, 7/58-59, Y.R. P. Pnadu Chikitsa		
23.	Chitrakadi Kshara	G.N. Part 2, 32/98		
24.	Sharapunkha Lavana	B.P. M. 32/32, N.A. Part 1, Palashadi Varga Pg no.423		
25.	Vajra Kshara	B.P. M. 32/36-42, Y.R. P. Udara Chikitsa, B.R. 32/74, R.Chi. 9/38-43, R.K.D. Pu. <i>Gulma</i> / 42-47, B.R.R.S. Ut. <i>Pliharoga Chikitsa</i> , B.S. Pg no 247		
26.	Dviksharadi Yoga	Y.R. P. Ajirna Chikitsa		
27.	Agnimukha Lavana	Y.R. P. Udara Chikitsa, B.R. 10/76, B.S. Pg no 247		
28.	Kukkuta Lavana	S.Y. 3/31		
29.	Mahavriksha Lavana	S.Y. 3/89		
30.	Shulahara Kshara	S.Y. 3/122		
31.	Sudhakandadi Kshara	S.Y. 3/135		
32.	Hingutvakadi Churna	S.Y. 3/145		
33.	Kushmandadi Kshara	R.K.D. Pu. Gulma/ 53-58		
34.	Plihantaka Kshara	R.T.S.S.P.S. Part 1, Pg. no. 333		
35.	Vadavanala Kshara	R.T.S.S.P.S. Part 2, Pg. no 195		
36.	Vishaladi Kshara	R.T.S.S.P.S. Part 2, Pg. no 96		
37.	Svasari Lavana	R.T.S.S.P.S. Part 2, Pg. no 173		
38.	Bruhati Lavana	N.A. Part 2, Kantakaryadi Varga Pg. no 123		

A general preparatory method for *Lavana Kalpana* is not explicitly mentioned in the classical Ayurvedic texts. However, after reviewing various *Lavana* formulations, they can be categorized into four distinct methods as outlined below.

1. Antaradhuma Puta method

This is the most common method to prepare *Lavana Kalpana*. The medicinal substance and *Lavana* are placed in an earthen vessel, which is then sealed with a corresponding lid. The joint is covered with a cloth smeared with mud, and the entire setup is subjected to heat. Several formulations in the classical texts follow this preparation method, although the specific names of the formulations are not mentioned. Some *Kshara* preparations are also made using this method, though all of them are primarily classified as *Lavana Kalpana*. This method reveals a distinctive preparation technique for *Mandura Lavana*. In this process, *Tapta Mandura* is first subjected to *Nirvapa* in *Gomutra*. Following this, an equal amount of *Saindhava* is mixed with the *Mandura*. The resulting mixture is then exposed to *Antaradhuma* heat using *Bibhitaka Kashtha Agni*.² The formulations prepared using the *Antardhuma Puta* method are provided in table no. 2.

Sr. no.	Name of Lavana Kalpana	Sr. no.	Name of Lavana Kalpana
1.	Vidangadi Kshara	2.	Kalyana Kshara
3.	Pippalyadi Kshara	4.	Maha Kshara
5.	Pippalyadi Yoga	6.	Ksharagada
7.	Bhallatakadi Kshara / Lavana	8.	Hingavadi Kshara
9.	Panchama Kshara	10.	Arka Lavana
11.	Vairechanika Lavana	12.	Narikela Lavana
13.	Patra Lavana	14.	Putikaranjadi Lavana
15.	Sneha Lavana (Su.Chi. 4/31)	16.	Arogya Lavana
17.	Kalyana Lavana (Su. Chi. 4/32)	18.	Kalyana Lavana (H.S. 3/11/38)
19.	Kalyana Lavana (V.S. 21/118)	20.	Arkapatradi Kshara
21.	Vajra Kshara	22.	Chitrakadi Kshara
23.	Dviksharadi Yoga	24.	Agnimukha Lavana
25.	Sneha Lavana (B.R. 26/12)	26.	Mahavriksha Lavana
27.	Arkapatradi Lavana	28.	Shulahara Kshara
29.	Plihantaka Kshara	30.	Sudhakandadi Kshara
31.	Vadavanala Kshara	32.	Hingu tvakadi Churna
33.	Svasari Lavana	34.	Kukkuta Lavana
35.	Vishaladi Kshara	36.	Bruhati Lavana
37.	Mandura Lavana	38.	Kushmandadi Kshara
39.	Ajmodadi Bhasma		·

 Table No. 2: Listing of formulations having Anatardhuma Puta Method

2. Lehapaka method

First, the ashes of the plants are prepared, and water is added in the specified amount. This mixture is then boiled with *Saindhava*. Once the mixture has been concentrated, the powdered forms of the other listed ingredients are added and thoroughly blended to obtain the finish product. e.g. *Abhaya Lavana, Mahavriksha Lavana*.

3. Ksharapaka method

The specified ingredients are first burnt with *Lavana*, and then the *Ksharapaka* procedure is carried out. e.g. *Kalyana Lavana*³, *Nadeyadhya Lavana*⁴

4. Samyojana method

In this method mentioned ingredients are taken with Lavana and mixed together. e.g. Ashtanga Lavana.

5. Other method

A distinctive preparatory method for *Sharapunkha Lavana* is described in the Adarsha Nighantu. In this process, the *Antaradhuma Bhasma* (ash) of *Sharapunkha* is combined with 8 parts of water. After letting the mixture settle, the solid particles will form a sediment at the bottom of the vessel.

In the text, Adarsha Nighantu, a unique manner of preparation for *Sharapunkha Lavana* is outlined. This procedure involves mixing eight parts water with the *Antaradhuma Bhasma* (ash) of *Sharapunkha*. The ash sediments at the bottom of the vessel once the mixture has settled. After decanting the supernatant liquid, the sedimented material is then heated till it turns into a dry powder.

The solid material is then carefully separated and heated until it transforms into a dry powder.⁵

To prepare *Lavana* formulations, different quantum of heat is mentioned in the classics text as described in table no.3

Sr.no.	Name of Lavana Kalpana	Heating media	
1.	Narikela Lavana (Nirjala)	Mahaputa	
2.	Arka Lavana		
3.	Vajra Kshara	Cajaputa	
4.	Vishaladi Kshara	—— Gajaputa	
5.	Plihanika Churna		
6.	Svasari Lavana		
7.	Kukkuta Lavana	Mandagni	
8.	Mahavriksha Lavana	Wood of Karanja	
9.	Mandura Lavana	Wood of Bibhitaka Kashtha	
10.	Vadavanala Kshara	1 Yama (3 hours) heating	

Table no. 3: Heating media of different Lavana Kalpana

Details of peak temperature and heating duration with *Svangasheeta* from research articles, along with a comparison to classical heating media of different *Lavana Kalpana*, are listed in the table below.

 Table no. 4: Temperature details of different Lavana Kalpana

Sr. no.	Name of Lavana Kalpana	Heating media given in Classics	Peak temperature	Time duration
1.	Arka Lavana ⁶	Gajaputa	782° C	12 hours
2.	Narikela Lavana (Sajala) ⁷	-	424° C	Upto 12 hours
3.	Narikela Lavana (Nirjala) ⁸	Mahaputa	1050° C	24 hours

The dose of *Lavana* formulations varies according to the formulation composition and diseases conditions as mentioned in table no.5

Sr. no.	Name of Formulation	Dose		
1.	Pippalyadi Kshara	1 Bidalapadaka (12 g)		
2.	Pippalyadi Yoga	1 Panitala (12 g)		
3.	Panchama Triphaladi Kshara	1 Panitala (12 g)		
4.	Hingavadi Kshara	1 Bidalapadaka (12 g)		
5.	Narikela Lavana	1-2 g (AFI)		
6.	Vajra Kshara	2 Tanka (8 g)		
7.	Dviksharadi Yoga	2 <i>Gunja</i> (250 mg)		
8.	Arka Lavana	1/2 Masha (500 mg) (R.T. 14/131-132), 1 g (AFI)		
9.	Arogya Lavana	1/2 - 1 Karsha (6-12 g)		
10.	Kushamandadi Kshara	1 Bidalapadaka (12 g)		
11.	Plihantaka Kshara	1-2 Masha (1-2 g)		
12.	Vadavanala Kshara	1-3 Masha (1-3 g)		
13.	Vishaladi Kshara	1-3 Masha (1-3 g)		
14.	Svasari Lavana	2-4 Ratti (242 mg-484 mg)		
15.	Bruhati Lavana	1/8-1/4 <i>Tola</i> (1.5 – 3 g)		

Table no. 5: Dose of differtent Lavana Kalpana

Acharya Sadananda Sharma referred to the "*Kajjalaprabha Varna*" of the final product in relation to *Narikela Lavana*⁹ and *Arka Lavana*.¹⁰

Nomenclature of Lavana Kalpana

The nomenclature of various *Lavana Kalpana* formulations can be categorized based on considerations such as the ingredients used, the number of ingredients, their therapeutic indications, properties, and other relevant characteristics as presented in table 6.

Sr.no	Category	Name of formulation	Consideration for nomenclature	
		Vidangadi Kshara	Vidanga used as first ingredient of this	
			formulation	
		Pippalyadi Kshara	Pippali used as first ingredient of this	
		Pippalyadi Yoga	formulation	
		Bhallatakadi Kshara	Bhallataka used as first ingredient of this	
		/ Lavana	formulation	
	Based on ingredients used	Vairechanika Lavana	Virechna Dravya used as ingredient	
1.		Yoga		
		Patra Lavana	Different Patra (leaves) are used as	
		T utra Lavana	ingredient	
		Sneha / Kanda	4 Sneha Dravya as dominant ingredient	
		Lavana	- Shena Dravya as dominant ingredient	
		Maha Kshara	Kshara used as ingredient	
		Ksharagada	Used as Agada (in posoning)	
		Hingavadi Kshara	Hingu as first ingredient of this	

 Table no 6: Nomenclature of different Lavana Kalpana

-		-			
			formulation		
		Narikela Lavana	Narikela used as ingredient		
		Nadovadkya Lavana	Nadeyi as first ingredient of this		
		Nadeyadhya Lavana	formulation		
		Arka Lavana	Arka used as dominant ingredient		
		Putikaranjadi	Putikaranja as first ingredient of this		
		Lavana	formulation		
		Abhaya Lavana	Abhaya (Haritaki) used in more quantity		
		Arkapatradi Kshara	Arka and other drugs used as ingredient		
		Mandura Lavana	Mandura used as ingredient		
		Chitrakadi Kshara	<i>Chitraka</i> as first ingredient of this formulation		
		Sharapunkha Lavana	Formulation made with <i>Sharapukha</i> only		
		Vajra Kshara	Vajra (Snuhi) Kshira used as Bhavna		
		Dviksharadi Yoga	Dvikshara (Yava, Svarjika) used as ingredient		
		Kukkuta Lavana	Mixture of mentioned medicinal substances are filled in <i>Kukkuta</i> bird body		
		Mahavriksha Lavana	Mahavirksha (Sudhakanda) used as		
		Sudhakandadi Kshara	ingredient Sudhakanda as first ingredient of this formulation		
		Hingutvakadi Churna	Hingu and Tvaka used as ingredient		
		Kushmandadi Kshara	Mixture of mentioned medicinal substances are filled in <i>Kushmanda</i>		
		Vishaladi Kshara	<i>Vishala</i> (<i>Indrayana</i>) <i>Svarasa</i> used for <i>Bhavna</i> and then mixture filled in <i>Indrayana</i> fruit and subjected to <i>Gajaputa</i> .		
		Bruhati Lavana	Bruhati used as dominant ingredient		
		Panchama Triphaladi	Used of Panchalavana (5 types of Lavana)		
		Kshara	and <i>Triphaladi</i> drugs.		
2.	Based on number of ingredients used	Ashtanga Lavana	Used of 8 ingredients		
	Based on	Shulahara Kshara	Used in Shularoga		
3.	indications of	Plihantaka Kshara	Used in <i>Pliharoga</i>		
	formulation	Svasari Lavana	Used in <i>Svasa</i>		
4.	Based on effect of	Kalyana Lavana Kalyanaka Kshara	Kalyanakari effect		
	formulation	Arogya Lavana	Arogyadayi effect		
	Based on action of	Agnimukha Lavana	Vahnivardhana (Agnivardhana) action		
5.	formulation	Vadavanala Kshara	It increases <i>Anala</i> (<i>Agni</i>)		
		, addranana Ashara	11 110100000 1 11/0/0 (115/11)		

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Based on the review, it can be said that the below listed formulations stated in table no. 7 are exclusively considered as *Lavana Kalpana* which are prepared using a standard method.

Sr. no.	Name of Lavana Kalpana	Sr. no.	Name of Lavana Kalpana
1.	Vairechanika Lavana	2.	Patra Lavana
3.	Sneha Lavana (Su.Chi. 4/31)	4.	Kalyana Lavana (Su. Chi. 4/32)
5.	Kalyana Lavana (V.S. 21/118)	6.	Kalyana Lavana (H.S. 3/11/38)
7.	Arka Lavana	8.	Sneha Lavana (B.R. 26/12)
9.	Narikela Lavana	10.	Agnimukha Lavana
11.	Arkapatradi Lavana	12.	Mahavriksha Lavana
13.	Kukkuta Lavana	14.	Mandura Lavana
15.	Bruhati Lavana	16.	Svasari Lavana
17.	Putikaranjadi Lavana	18.	Bhallatakadi Lavana
19.	Abhaya Lavana	20.	Nadeyadhya Lavana
21.	Sharapunkha Lavana		•

Table no. 7. Name of Lavana formulations prepared by standard methos

DISCUSSION

Lavana Kalpana emphasizes the use of *Lavana* as a key ingredient, combined with other medicinal substances. Most *Lavana* preparations follow *Antardhuma Dahana* method, which involves heating in a sealed earthen vessel. However, many classical texts described formulations that use the same method of preparation, but the names of the formulations are not clearly mentioned. As a result, this study focuses on analysing data related to *Lavana Kalpana* and formulations that utilize the *Antardhuma Dahana* method with *Lavana*.

In the Charaka Samhita, the distinction between *Kshara* and *Lavana* is not specified, and the preparation method for both *Kalpana* involves the *Antardhuma Dahana* method. In the preparation of *Vairechanika Lavana*, an equal quantity of *Lavana* and other drugs are added.¹¹ Although *Acharya* Charaka does not mention the name of the formulation, but mentioned that finished product is considered as *Lavana*, so it is primarily regarded as *Lavana Kalpana*. Other formulations are also found to follow the same method of preparation, but they are all categorized under the name of *Kshara*.

Acharya Sushruta was the first to clearly mentioned the method for preparing *Lavana Kalpana*, providing proper terminology for these formulations. He described a distinct preparation method for *Kalyanaka Lavana*, in which plant drugs, along with *Saindhava*, are first burnt in a sealed earthen vessel and then further processed in a manner similar to the *Kshara* preparation.¹² Due to the use of *Antardhuma Dahana*, the formulation is named *Lavana*. This clarifies that for *Lavana Kalpana*, *Antardhuma Dahana* is required, whereas in *Kshara* preparation, first ash is prepared by *Bahirdhuma Dahana* and then *Kshara* is prepared by decantation and evaporation method.

In both Astanga Samgraha and Ashtanga Hridaya, the preparation of *Lavana Kalpana* is not clearly outlined. The first references to *Narikela Lavana*,¹³ *Arka Lavana*,¹⁴ and *Putikaranjadi Lavana*¹⁵ are found in Chakradatta. In Gadanigraha, the maximum number of formulations have a preparatory method similar to *Lavana Kalpana*. The preparation of *Nadeyadhya Lavana*¹⁶ is identical to *Kalyana Lavana* described by *Acharya* Sushruta. Due to the similarity in preparation, it may be categorized as *Lavana* in Gadanigraha, although other texts consider it as *Kshara*.

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In *Rasagrantha*, only *Rasatarangini* provides a detailed description of *Lavana* formulations. This text outlines the method of preparation, characteristics of the finished product, dose, indications, and *Anupana* for *Arka Lavana* and *Narikela Lavana*.¹⁷ In Rasatantra Sara evam Siddha Rayoga Samgraha, many formulations follow a preparation method similar to *Lavana Kalpana* but are classified as *Kshara*. This text does not clearly distinguish between *Kshara* and *Lavana*.

Kalyana Lavana, as mentioned in the Sushruta Samhita,¹⁸ Harita Samhita,¹⁹ and Vangasena Samhita²⁰ contains different ingredients in each text, making them distinct formulations under the same name. Similarly in *Sneha Lavana*, which is mentioned in both the Sushruta Samhita²¹ and Bhaishajya Ratnavali,²² where the formulations differ due to variations in ingredients. However, the method of preparation for both formulations is similar to the *Antardhuma* method of *Lavana Kalpana*. In the preparation of *Sharapunkha Lavana*, the *Antardhuma Bhasma* of *Sharapunkha* is used.²³ This could be the reason it is classified as *Lavana*, as noted in Adarsha Nighantu. Both Bhaishajya Samhita²⁴ and Ayurveda Sara Samgraha²⁵ have separate chapters, but only formulations are listed. A unified description of *Lavana* as *Kalpana* is not provided in these texts.

CONCLUSION

A proper definition of *Lavana Kalpana* has not found in any classical literature. However, based on the review of these formulations, *Lavana Kalpana* is considered a therapeutic preparation in which *Lavana* is the primary ingredient (except *Sharpunkha Lavana*) and *Antardhuma Bhasma* of medicinal substances are prepared (except *Ashtanga Lavana*). The resulting product is either used directly for therapeutic purposes or further processed before being used therapeutically. Different heating media are required for different formulations, as this may depend on factors such as the properties and quantities of the ingredients used, as well as any other relevant factors. However, rich source of *Lavana Kalpana* found in classical literature, only a few studies have been conducted in this area. To better understand its full potential, there is a vast scope for further research into *Lavana Kalpana*. Continued scientific validation is necessary to explore its mechanisms, therapeutic applications, and to establish its efficacy in modern medicine.

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