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## A CRITICAL APPRAISAL ON DISTINCTIVE PRESENCE OF KAKAMACI (*Solanum nigrum* Linn.) IN AYURVEDA

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**Abstract:** Kakamaci (*Solanum nigrum* Linn.) is widely described in the Ayurvedic classics and also have references in Vedas. All Samhitas have described Kakamaci for Saka Dravya as well as Ausadha Dravya. It is observed that the drug was very popular in those days, which was studied well and used widely in the therapeutics and in dietary supplements. This plant has its own ethno-medicinal importance since it plays a significant role in the treatment of various diseases. It is used as single drug and in compound formulations. In this study, review of various Synonyms, Guna-Karma and formulations containing of Kakamaci is done through Vedas, Brihat trayis, various Samhitas and Nighantus.

**Index Terms -** Kakamaci, Vedas, Brihat trayis, Samhita, Nighantu, *Solanum nigrum* Linn., Guna-Karma, Compound formulations.

### INTRODUCTION:

**Latin name** : *Solanum nigrum* Linn.  
**Family** : Solanaceae

### TOXONOMIC CLASSIFICATION:

- |                  |                  |                    |
|------------------|------------------|--------------------|
| • Kingdom        | : Plantae        | - Plants           |
| • Subkingdom     | : Tracheobionta  | - Vascular plants  |
| • Super division | : Spermatophyta  | - Seed plants      |
| • Division       | : Magnoliophyta  | - Flowering plants |
| • Class          | : Magnoliopsida  | - Dicotyledons     |
| • Subclass       | : Asteridae      |                    |
| • Order          | : Solanales      |                    |
| • Genus          | : <i>Solanum</i> |                    |
| • Species        | : <i>nigrum</i>  | - Black nightshade |
| • Authority      | : Linn.          |                    |

### VERNACULAR NAMES:

**Sanskrit-** Kakamaci; **English-** Black night shade, Hound's berry, Garden Nightshade; **Telugu-** Kanchipundu, Kamanchi chettu; **Hindi-** Makoi, Gurkamai; **Kannada-** Kaagehannina gida, Kakamache; **Tamil-** Manattakkali, Thenna takalipullum, Milagetakkali; **Marathi-** Kaamani, Ghati, Makoi, Mako; **Malayalam-** Manithakkal, Kasumuthi, Karimthakkali; **Gujarati-** Piludi; **Assamese-** Pichkati; **Punjabi-** Mako, Riaungi; **Bengali-** Kakamaci, Dudakamai; **Tulu-** Kaachiponda; **Urdu-** Makoh and **Sind-** Kanperun.

### KAKAMACI IN VEDIC PERIOD:

In the Vedas description regarding Kakamaci is mentioned in Samaveda; by author Sayana by the name of "Nitatni". Its description is also present by the same name in *Atharvana Veda* (1500 BC), *Kausikasutras* and *Amarakosa*.

**KAKAMACI IN SAMHITA PERIOD:****CARAKA SAMHITA: (1000 BC-4<sup>th</sup> Cent.):**

Oldest available Samhita in its original form of 1000 B.C, with detailed information of drugs on various diseases. Kakamaci was found at various places in Caraka Samhita which are mentioned below.

Based on Rasa of Kakamaci, it is included under **Tikta Skandha**.

S.No	Name / Synonym	Formulation/ MahaKasaya	Part used	Indication	References
1.	Kakamaci	Lepa	Leaves	Kusta	C.S.Su-3/17
2.	Kakamaci	Orally	Whole plant	Kusta	C.S.Su-27/89
3.	Kakamaci	Tikta Skandha	Whole plant		C.S.Vi-8/143
4.	Kakamaci	Lepa	Leaves	Kusta	C.S.Ci-7/96
5.	Kakamaci	Unmardana	Whole plant	Svayathu	C.S.Ci-12/73
6.	Kakamaci	Orally	Leaves	Arsas	C.S.Ci-14/124
7.	Vayasi	Orally	Leaves	Vataja Kasa	C.S.Ci-18/81
8.	Kakamaci	Mahanila Taila (Externally)	Leaves	Palitya	C.S.Ci-26/269
9.	Vayasi	Orally	Leaves	Urustambha	C.S.Ci-27/27
10.	Kakamaci	Orally	Leaves	Vatarakta	C.S.Ci-29/52

- Sutra 26/84 Under Viruddha Ahara Dravya (dietetic incompatibility): It is explained that when Kakamaci and Honey is given it is Samyoga viruddha and the same Paryusita (stale) Kakamaci is avoided.
- Nidana 5/6 It is mentioned that Excessive usage of Kakamaci in large quantity while suffering from Ajirna (Indigestion) leads to Kusta
- Cikitsa 16/80, 84 It is Apatya (contra indicated) during the intake of Tapyadi yoga and Yogaraja in the treatment of Panduroga (Anemia).

**SUSRUTA SAMHITA (1000BC-5<sup>th</sup> Cent.):**

He is an ancient Indian surgeon known for his pioneering operations, techniques and for his treatise Susruta Samhita, the main source of knowledge about Surgery in ancient India and was recognized as the 'Father of Surgery'.

Acarya Susruta had included it in **Surasadi Gana**.

S.No	Name/ Synonym	Formulation/ Mahakasaya	Part used	Indication	References
1.	Kakamaci	Surasadi Gana		Krimi, Pratisyaya, Aruci, Svasa, Kasa	S.S.Su-38/18
2.	Kakamaci	Tikta rasa Saka	Leaves		S.S.Su-46/262
3.	Kakamaci	Orally	Leaves	Kusta	S.S.Su-46/266
4.	Kakamaci	Patradana (External)	Leaves	Kaphaja Vrana	S.S.Ci-1/115
5.	Kakamaci	Mahanila Ghrita (External)		Kusta	S.S.Ci-9/35
6.	Kakamaci	Amrita Ghrita		Visa	S.S.Ka-6/12
7.	Kakamaci	Ghrita cooked with Kakamaci Svarasa + Kakadani	Panchanga	Musika Visa	S.S.Ka-7/31
8.	Kakamaci	Decoction of Kakamaci and other drugs are cooked in Ghrita (Internal)	Panchanga	Apaci, Kusta, Jvara, Vrana: Diseases of Eyes, Mouth, Nose and Ears	S.S.U-39/228
9.	Kakamaci	Decoction of Kakamaci and other drugs are cooked in Ghrita (Internal)	Panchanga	Pandu	S.S.U-44/19

- Sutra 20/13 under Viruddha Ahara (Samyoga viruddha - Incompatible by combination) - Kakamaci along with Pippali (*Piper longum* L.) and Marica (*Piper nigrum* L.), Kakamaci with Guda (Jaggery).
- Sutra 20/14 Viruddha Ahara (Karma viruddha – Incompatible by processing) - Kakamaci cooked either in a vessel used for cooking fish or Sringavera (*Zingiber officinale*).

#### ASTANGA SAMGRAHA (5<sup>th</sup> Cent.):

The Astanga Samgraha hands down several important details on different aspects of Ayurveda which are elsewhere not available or found scattered or described in brief. Some of these details pertaining to Dharmasastra also, but have medical or hygienically importance.

Acarya Vagbhata described Kakamaci in **Surasadi Gana** and **Saka varga**.

He states that Kakamaci when used in fresh state acts as Rasayana and if used after some days acts as Visa (Poison) A.S.SU-7/243.

S. No	Name/ Synonym	Formulation/ Mahakasaya	Part used	Indication	References
1.	Kakamaci	Saka varga	Leaves	Kusta, Vrisya, Rasayana, Svarya	A.S.Su-7/103
2.	Kakamaci	Kvatha		Visa	A.S.Su-8/84
3.	Kakamaci	Surasadi Gana		Krimi, Medo roga, Pratisyaya, Aruci, Svasa, Kasa, Vrana Sodhana	A.S.Su-16/16
4.	Kakamaci	Lepa	Leaves	Kusta	A.S.Ci-21/74
5.	Kakamaci	Taila for Abhyanga		Khandosta (laceration of lip)	A.S.U-26/3

Along with above mentioned references, the following were also noted

- A.S.Su-9/3 – Vagbhata opines that Kakamaci should not be taken with Pippali, Marica and Madhu, Guda.
- A.S.Su-9/3 – Vagbhata describes that Kakamaci should not be taken when it is processed in a vessel in which Matsya (Fish) or Sringavera (Ginger) is cooked.
- A.S.Su-9/3 – Vagbhata explains that Kakamaci becomes incompatible even though cooked in a separate vessel but kept overnight.

#### ASTANGA HRIDAYAM (7<sup>th</sup> Cent.):

The Astanga Hridaya, the 'Heart or essence of all the eight branches of Ayurveda', is one of the primary root texts of Ayurveda. It is the simplified version of Astanga Samgraha.

Acarya Vagbhata had included it in **Surasadi Gana**.

S.No	Name/ Synonym	Formulation/ Mahakasaya	Part used	Indication	References
1.	Kakamaci	Orally	Leaves	Kusta	A.H.Su-6/74
2.	Kakamaci	Surasadi Gana		Krimi, Medo roga, Pratisyaya, Aruci, Svasa, Kasa, Vrana	A.H.Su-15/30
3.	Kakamaci	Lepa	Leaves	Kusta	A.H.Ci-19/63
4.	Kakamaci	Taila for Abhyanga	Panchanga	Khandosta (Laceration of lip)	A.H.U-22/2

- A.H. Su-7/36 - Kakamaci should not be taken with Kana/ Pippali and Usana/ Marica or with Madhu and Guda.
- A.H. Su-7/36 - Kakamaci should not be taken when it is processed in a vessel in which Matsya (Fish) or Sunti is cooked.
- A.H. Su-7/36 - Kakamaci becomes incompatible even though it is prepared in a separate vessel but kept overnight.

**CLASSIFICATION OF VARGA / GANA / SKANDHA:**

S.No	Varga / Skandha / Gana	Reference
1.	Saka Varga	C.S.Su-27/90
2.	Tikta Skandha	C.S.Vi-8/143
3.	Surasadi Gana	S.S.Su-38/18
4.	Saka Varga	A.H.Su-6/74
5.	Karaviradi Varga	Dhanvantari Nighantu, Sodhala Nighantu
6.	Ausadi Varga	Kaiyadeva Nighantu
7.	Abhayadi Varga	Madanapala Nighantu
8.	Satahvadi Varga	Raja Nighantu
9.	Guducyadi Varga	Bhavaprakasa Nighantu, Nighantu Ratnakara, Saligrama Nighantu
10.	Satapuspadi Varga	Priya Nighantu
11.	Kantakaryadi Varga	Nighantu Adarsa
12.	Vrksadi Varga	Sabdacandrika
13.	Ulapa Varga	Sarasvati Nighantu
14.	Saka kanda	Nighantu Sesa
15.	Caturvimsa Gana	Madanadi Nighantu
16.	Vanausadhi Varga	Amarakosa 4-151
17.	Pippalyadi Gana	Astanga Nighantu
18.	Surasadi Varga	Abhidana Manjari
19.	Visaghna Gana	Rasaratnasamuccaya- 29/143
20.	Rasa Bhavanadi Mulini Dravya	Rasaratnasamuccaya 11/58
21.	Kakamacyadi Gana	Rasendra Cudamani 8/31
22.	Rasasya Niyamaka Gana	Rasatarangini 5/91
23.	Parada Maraka Gana	Rasatarangini 7/10
24.	Kakarastaka	Rasatarangini 7/99
25.	Abhraka Marana Dravya	Rasatarangini 10/43
26.	Abhraka Marana Gana	Rasatarangini 10/56

**SYNONYMS OF KAKAMACI ACCORDING TO VARIOUS AUTHORS:**

S. No	Synonyms	C.S	S.S	A.H	B.P. Ni	D.Ni	R. Ni	So. Ni	K. Ni	Ni. Se	M.P. Ni	M. Ni	S.Ni	P.R.M	Ab. Ma
1.	Kakamaci	+	+	+	+	+	+	+	+	+	+	+	+	+	+
2.	Dhvanksamaci	-	-	-	+	+	+	+	-	-	+	+	+	-	-
3.	Dhvankshamali	-	-	-	-	-	-	-	+	-	-	-	-	-	-
4.	Vayasi	-	+	+	+	+	+	-	+	+	-	+	-	+	+
5.	Vayasahva	-	-	-	-	-	+	-	-	-	-	-	-	-	-
6.	Vara	-	-	-	-	-	+	-	-	-	-	-	-	-	-
7.	Rasayanavara	-	-	-	-	+	-	+	+	-	+	-	-	-	+
8.	Rasayani	-	-	-	-	-	+	-	-	-	-	-	-	-	-
9.	Kakamata	-	-	+	-	-	+	-	-	-	-	-	-	-	-
10.	Kamaci	-	-	-	-	-	-	-	+	+	+	-	-	-	-
11.	Kamata	-	-	-	-	-	-	-	+	-	-	-	-	-	-
12.	Kakini	-	-	-	-	-	-	-	+	-	+	-	-	-	-
13.	Katu	-	-	-	-	-	-	-	+	-	+	-	-	-	-
14.	Katvi	-	-	-	-	+	-	+	-	-	-	-	-	-	+
15.	Kapota	-	-	-	-	-	-	-	-	-	-	-	-	-	+
16.	Katuphala	-	-	-	-	+	-	+	-	-	-	-	-	-	-

17.	Kakahva	-	-	+-	+	+	-	+	-	-	-	-	-	-	-
18.	Katphala	-	-	-	-	-	+	-	-	-	-	-	-	-	-
19.	Kustanasani	-	-	-	-	-	+	-	-	-	-	-	-	-	-
20.	Kustaghni	-	-	-	-	-	-	+	+	-	-	+	+	-	-
21.	Kamana	-	-	-	-	-	-	-	-	-	-	+	-	-	-
22.	Kalapini	-	-	-	-	-	-	-	-	-	-	-	+	-	-
23.	Krisnamula	-	-	-	-	-	-	-	-	-	-	-	-	-	+
24.	Kakasahva	-	-	-	-	-	-	-	+	+	-	-	-	-	+
25.	Sarvatikta	-	-	-	-	-	+	-	+	-	+	-	+	-	-
26.	Svadupaka	-	-	-	-	-	+	-	-	-	-	-	-	-	-
27.	Sundari	-	-	-	-	-	+	-	-	-	-	-	-	-	-
28.	Svadupakaphala	-	-	-	-	-	-	+	+	-	-	-	-	-	-
29.	Sarpakarika	-	-	-	-	-	-	-	-	-	-	-	-	-	+
30.	Sarpamari	-	-	-	-	-	-	-	-	-	-	-	+	-	-
31.	Sakamata	-	-	-	-	-	-	+	-	-	-	-	-	-	-
32.	Sophahrt	-	-	-	-	-	-	+	-	-	-	-	-	-	-
33.	Bahuphala	-	-	-	-	-	+	+	+	-	-	-	+	-	+
34.	Barbarika	-	-	-	-	-	-	-	-	-	-	-	-	-	+
35.	Bahutikta	-	-	-	-	-	+	-	-	-	-	-	-	-	-
36.	Guccaphala	-	-	-	-	-	+	-	-	-	-	-	-	-	-
37.	Gudaphala	-	-	-	-	-	-	-	+	-	-	+	-	-	-
38.	Tiktaka	-	-	-	-	-	+	-	-	-	-	-	-	-	-
39.	Tundaki	-	-	-	-	-	-	-	-	-	-	+	-	-	-
40.	Jaghani	-	-	-	-	-	-	-	-	-	+	-	-	-	-
41.	Phala	-	-	-	-	-	-	-	-	-	+	-	-	-	-
42.	Jaghenaphala	-	-	-	-	-	-	-	+	-	-	+	-	-	-
43.	Jaghanephala	-	-	-	-	-	-	-	-	-	-	-	+	-	-
44.	Jaghaniphala	-	-	-	-	-	-	-	-	-	-	-	-	-	+
45.	Matsyaksi	-	-	-	-	-	+	-	-	-	-	-	-	-	-
46.	Macika	-	-	-	-	-	-	-	-	-	-	-	-	-	+
47.	Candravini	-	-	-	-	-	+	-	-	-	-	-	-	-	-

**ETYMOLOGY OF SYNONYMS:**

Tiktaka, Bahutikta, Sarvatikta	Very Bitter in taste
Guccaphala, Bahuphala	Having many fruits
Kustaghni, Kustanasani	Cures Skin diseases
Macika, Maricikaphala	Fruits are like Marica ( <i>Piper nigrum</i> L.)
Kakamaci, Kamata, Kakini, Dhvanksimaci, Kakamata, Kakasahva	Fruits consumed by crows
Rasayanavara, Rasayani, Vara, Vayasi, Vayasahva	Acts as Rejuvenator
Sarpamarika, Sarpamari	kills Snakes
Gudaphala, Svadupakaphala, Jaghanephala	Fruits are sweet like Jaggery
Kakahva	Kills crows
Sakamata	Best in vegetables
Sundari	Looks beautiful

Svarya	Voice improving
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### RASADI PANCAKA OF KAKAMACI AS REPORTED IN VARIOUS NIGHANTUS AND SAMHITAS:

GUNA	R. Ni	D. Ni	K.Ni	B.P.Ni	M. Ni	Ni. A	Ni. R	P. Ni	So.Ni	M.P.Ni	S. Ni	C.S	S. S	A.H
<b>RASA</b> Tikta	+	+	+	+	-	+	+	+	-	+	+	-	-	-
Katu	+	-	+	+	-	+	-	-	-	+	-	-	-	-
<b>Guna</b> Snigdha	-	-	+	+	-		+	+	-	+	-	-	-	-
Laghu	-	-	+	-	-		-	-	-	-	-	-	-	-
<b>Virya</b> Usna	+	+	+	+	+	+	+	+	-	+	-	-	-	+
Anusnasita	-	-	-	-	-	-	-	-	+	-	-	-	-	-
Natyusnasita	-	-	-	-	-	-	-	-	-	-	-	+	-	-
<b>Vipaka</b> Katu	-	-	-	-	-	+	-	-	-	-	-	-	-	-
<b>Karma</b> Tridosaghna	-	+	+	+	+	+	-	-	-	+	-	+	-	+
Kaphahara	+	-	-	-	-	-	-	-	-	-	-	-	-	-

### KARMA (ACTIONS) ACCORDING TO DIFFERENT AUTHORS:

S. No	Karma	C.S	S.S	A.H	K.Ni	B.P. Ni	M.P.Ni	D.Ni	M.Ni	R. Ni	So. Ni	P. Ni	Sa. Ni
1.	Vrisya	+	-	+	+	-	-	+	+	-	+	-	+
2.	Sukrada	-	-	-	-	+	+	-	-	-	-	-	-
3.	Rasayana	+	+	+	+	+	+	+	+	-	+	+	-
4.	Vayasthapana	-	+	-	-	-	-	-	-	-	-	-	-
5.	Svarya	-	-	+	+	+	+	+	+	-	+	-	+
6.	Sara	+	-	+	+	-	-	+	+	-	+	-	+
7.	Hridya	-	-	-	+	-	+	-	-	-	-	-	+
8.	Bhedana	+	-	-	-	-	-	-	-	-	-	-	-
9.	Netrya	-	-	-	+	+	-	-	-	-	-	-	+
10.	Mutrala	-	-	-	-	-	-	-	-	-	-	+	-
11.	Yakrt uttejaka	-	-	-	-	-	-	-	-	-	-	+	-

## SHOWING THE INDICATIONS OF KAKAMACI ACCORDING TO DIFFERENT AUTHORS:

S. No	Indication	C.S	A.H	K. Ni	B.P. Ni	M.P. Ni	D. Ni	M. Ni	R. Ni	So. Ni	Sa. Ni	P. Ni	B. Ni.R
1.	Kusta	+	+	+	+	+	+	+	+	+	+	+	+
2.	Sopha	-	-	+	+	+	-	-	+	-	-	+	+
3.	Prameha	-	-	+	+	+	-	-	-	-	-	-	+
4.	Arsas	-	-	+	+	+	-	-	+	-	-	-	-
5.	Jvara	-	-	+	+	+	-	-	-	-	-	-	+
6.	Hridroga	-	-	+	+	-	-	-	-	-	-	-	+
7.	Kandu	-	-	-	-	-	-	-	+	-	-	-	+
8.	Svasa	-	-	+	-	-	-	-	-	-	-	-	+
9.	Kasa	+	-	+	-	-	-	-	-	-	-	-	+
10.	Aruci	-	-	+	-	-	-	-	-	-	-	-	-
11.	Hikka	-	-	+	+	-	-	-	-	-	-	-	+
12.	Chardi	-	-	+	+	-	-	-	-	-	-	-	-
13.	Sula	-	-	-	-	-	-	-	+	-	-	-	+
14.	Yakrtroga	-	-	-	-	-	-	-	-	-	-	+	-
15.	Karnakita	-	-	-	-	-	-	-	-	-	-	-	+
16.	Atisara	-	-	-	-	-	-	-	-	-	-	-	+
17.	Urustambha	+	-	-	-	-	-	-	-	-	-	-	-

## FORMULATIONS CONTAINING KAKAMACI:

S.No	Formulation	Reference
1.	Mahanila Tailam	Caraka Cikitsa Sthana- 26/269
2.	Aragvadhadi Lepam	Caraka Sutra Sthana- 3/17
3.	Sarva Sothahara Lepam	Caraka Cikitsa Sthana- 12/71
4.	Visarpa Pradeha	Caraka Cikitsa Sthana- 21/90
5.	Mahanila Ghrita	Susruta Cikitsa Sthana- 9/35
6.	Amrita Ghrita	Susruta Kalpa Sthana- 6/12
7.	Suntiyadi Ghrita	Astanga Samgraha Cikitsa Sthana- 23/22
8.	Nila Ghrita	Gadanigraha Ghrithadhikara /72
9.	Mahanila Ghrita	Gadanigraha Ghrithadhikara /77
10.	Triphala Ghrita	Gadanigraha Ghrithadhikara /86
11.	Mahanila Tailam	Gadanigraha Tailadhikara /480
12.	Dvi- Pancamuladya Tailam	Gadanigraha Tailadhikara /489
13.	Dvitiya Mahanila Tailam	Gadanigraha Tailadhikara /516
14.	Khadiradi Vatika	Gadanigraha Gutikadhikara /122
15.	Vajrak Gutika	Gadanigraha Gutikadhikara /245
16.	Triphaladi Tailam	Gadanigraha Medorogadhikara /23
17.	Haridradya Udvartana	Gadanigraha Kustarogadhikara /129
18.	Chaturangulparnyadi Lepam	Gadanigraha Kustarogadhikara /174
19.	Vayasyadi Lepam	Gadanigraha Kustarogadhikara /243
20.	Karna Guthak Nirharana Yoga	Gadanigraha Karnarogadhikara /67
21.	Kakamaci Dhupa	Gadanigraha Netrarogadhikara /384
22.	Kapitthadi Lepam	Gadanigraha Balarogadhikara /51
23.	Visahara Ghrita	Gadanigraha Garavisa Cikitsa /10
24.	Kakamaci Kalpa	Gadanigraha Rasayana Tantra
25.	Hridayarnava Rasa	Yogaratnakara
26.	Gunja Garbha Rasa	Yogaratnakara
27.	Dantasula Nasaka Yoga	Yogaratnakara

28.	Mahavisagarbha Taila	Yogaratanakara
29.	Kalakuta Rasa	Basavarajiyam 1st Vol/2
30.	Rasarajendra Rasa	Basavarajiyam 1st Vol/2
31.	Agnikumara Rasa	Basavarajiyam 1st Vol/6
32.	Prabhavati Gutika	Basavarajiyam 1st Vol/2
33.	Rudra Parpati	Basavarajiyam 1st Vol/8
34.	Grahanyankusa Rasa	Basavarajiyam 1st Vol/10
35.	Nikrntaka Rasa	Basavarajiyam 2nd Vol/13
36.	Somesvara Rasa	Basavarajiyam 2nd Vol/13
37.	Sankar Vati	Bhaisajya Ratnavali 33/52
38.	Visvesvara Rasa	Bhaisajya Ratnavali 55/35
39.	Brihat Lokanata Rasa	Bhaisajya Ratnavali 41/68
40.	Rasa Parpati	Bhaisajya Ratnavali 8/403
41.	Sarivadi Vati	Bhaisajya Ratnavali 62/72
42.	Siddhaphala Paniya Vatika	Bhaisajya Ratnavali 5/666
43.	Svaccandanayaka Rasa	Bhaisajya Ratnavali 5/805
44.	Brihat Viṣamajvarantaka Rasa	Bhaisajya Ratnavali 5/1157
45.	Brihat Dvitiya Sarvajvarahara Loham	Bhaisajya Ratnavali 5/1183
46.	Indu Vati	Bhaisajya Ratnavali
47.	Maksikadi Vati	Bhaisajya Ratnavali
48.	Sarivadi Vati	Bhaisajya Ratnavali
49.	Kustanikrintana Rasa	Rasaratanakara
50.	Chandarudra Rasa	Rasakamadhenu
51.	Chandra Sekhara Rasa	Rasakamadhenu
52.	Charmantaka Rasa	Rasakamadhenu
53.	Maharasa	Brihat Nighantu Ratnakara

#### PARTS USED:

Pancanga (whole plant) and they are Phala (Fruit), Mula (Root), Puspa (Flower), Kanda (Stem) and Patra (Leaves).

#### DOSE:

- According to Sarangadhara Samhita, the general dose for the Svarasa is half Pala (24 ml), for Kvatha is two Pala (96 ml) and that of Curna is one Karsa (12 g).
- As per Ayurvedic Pharmacopoeia of India, dose of Svarasa is 5 to 10 ml.
- As per Sharma P.V, dose of Svarasa is 10 to 20 ml, Phala Curna- 1 to 3 g, Arka- 20 to 50 ml.
- According to Bhavaprakasa Nighantu, dose of Svarasa is 12 to 24 ml.

#### DISCUSSION AND CONCLUSION:

While going through Ayurvedic literature on **Varga / Gana / Skandha** by various authors it was noted that **Acarya Caraka** and **Acarya Vagbhata** described it in **Saka Varga** showing that the **edible part is Leaf**. (C.S.Su-27/90, A.H.Su-6/74). **Nighantu Sesa** has described **Kakamaci** in **Saka kanda** which explains that the **kanda is useful**. So, even the **kanda** of the **Kakamaci** is therapeutically indicated. **Rasaratnasamuccaya** included **Kakamaci** in **Rasa Bhavanadi Mulini Dravya** denotes that **Mula** of the plant is therapeutically useful. **Rasendra Cudamani** is the **first book** to designate a **Gana** in the **name of Kakamaci** i.e., **Kakamacyadi Gana**. **Rasaratnasamuccaya** includes **Kakamaci** in **Visaghna Gana** shows that the drug is having **Viṣaghna** property. Maximum authors have opined that **Rasa** of **Kakamaci** is **Tikta**, though **Samhitas** have nowhere mentioned the **Rasa**, but it is understood from its references available in **Tikta Skandha** of **Caraka Samhita** and **Tikta rasa Saka** of **Susruta Samhita**. **M.P.Ni, R.Ni, K.Ni, B.P.Ni and Ni.A** have mentioned that along with **Tikta** rasa, **Katu rasa** is also present. While enumerating the **Gunas** of **Kakamaci**, **Nighantukaras** of **K.Ni, B.P.Ni, M.P.Ni and Ni.R** said it as **Snigdha**. But like **P.Ni, K.Ni** have added **Laghu Guna** too. **Virya** has been mentioned as **Usna** by maximum authors but **Caraka** was the only **Samhitakar** to describe it as **Natyusnasita**. **Vipaka** as **Katu** has been mentioned by all authors. All the authors have described **Tridosaghna** property of **Kakamaci**, the only **Nighantu** i.e., **R.Ni** has explained its **Kaphaghna karma**. Maximum authors have cited that **Karma** of **Kakamaci** is **Vrisya**. **M.P.Ni and B.P.Ni** have opined **Sukrada** as its **Karma**. Almost all the authors have



stated the **Rasayana karma** of Kakamaci.

### ABBREVIATIONS OF DIFFERENT TEXTS USED:

Ab.Ma.	-	Abhidana Manjari	Ni.Se	-	Nighantu Sesa
A.H.	-	Astanga Hridayam	Ni.	-	Nidāna sthana
A.Ni.	-	Astanga Nighantu	P.Ni.	-	Priya Nighantu
Am.K.	-	Amarakosa	P.R.M.	-	Paryayaratnamala
A.S.	-	Astanga Samgraha	R.Ni.	-	Raja Nighantu
A.V.	-	Atharvana Veda	R.R.S	-	Rasaratnasamuccaya
A.P.I	-	The Ayurvedic Pharmacopoeia Of India	R.K.D	-	Rasakamadhenu
B.P.Ni.	-	Bhavaprakasa Nighantu	R.Ch	-	Rasendra Cudamani
B.R.	-	Bhaisajya Ratnavali	R.T	-	Rasatarangini
Ci.	-	Cikitsa sthana	Sa.	-	Sarira Sthana
C.S.	-	Caraka Samhita	S.S	-	Susruta Samhita
D.Ni.	-	Dhanvantari Nighantu	Sg.Ni.	-	Saligrama Nighantu
Ga.Ni	-	Gada Nigraha	Sd.Ni.	-	Sodhala Nighantu
K.Ni.	-	Kaiyyadeva Nighantu	Sh.C.	-	Sabdacandrika
M.Ni.	-	Madanadi Nighantu	S.Ni.	-	Sarasvati Nighantu
M.P.Ni.	-	Madanapala Nighantu	Su.	-	Sutrasthana
Ni.A.	-	Nighantu Adarsa	U.	-	Uttaratantra
Ni.R	-	Nighantu Ratnakara	Vi.	-	Vimana sthana
			Y.R.	-	Yogaratanakara

### REFERENCES:

1. Vishva Bandhu, Atharvaveda, Vishveshvaranand Vedic Research Institute, 1964, First Edition. Part- II, Kandhu 8. Sukta 30. Mantra 5.
2. Sharma R.K, Bhagawan Das, Caraka Samhita of Agnivesha, revised by Caraka and Dridhabala, Chowkambha Krishna Das Academy, Varanasi 2020. Sutrasthana Annapana Chatuspadam Adhyayayam-26/12, Vol-I, Pg.no:453.
3. Sharma R.K, Bhagawan Das, Caraka Samhita of Agnivesha, revised by Caraka and Dridhabala, Chowkambha Krishna Das Academy, Varanasi 2020. Cikitsa Sthana Adhyayayam-26/12, Vol-III, pg.no:
4. Bhavamishra. Bhavaprakasa Nighantu, Chunekar KC, Guducyadi Varga, Varanasi: Chaukhamba Bharati Academy; 2013; Pg. no:423.
5. Bapalal G Vaidya, Nighantu Adarsa, Varanasi: ChaukhambhaBharati Academy; 2<sup>nd</sup> edition, 1999, Pg. no:126.
6. Devi Chand M.A., The Atharvaveda, Munshiram Manoharlal Publishers Pvt. Ltd., Reprint edition 1990, Kanda VI, Hymn CXXXV, Pg.no:281.
7. Sharma R.K, Bhagawan Das, Caraka Samhita of Agnivesha, revised by Caraka and Dridhabala, Chowkambha Krishna Das Academy, Varanasi 2020. Vol.I-VI.
8. Susruta Samhita, Vol.I-III, Edited and Published by Prof. K. R. Srikantha Murthy, Chowkhambha Orientalia, Varanasi and Reprint Edition-2016.
9. Astanga Samgraha, Vol.I-III, Edited and Published by Prof. K. R. Srikantha Murthy, Chowkhambha Orientalia, Varanasi and Reprint Edition-2017.
10. Astanga Hridayam Vol.I-III, Edited and Published by Prof. K. R. Srikantha Murthy, Chowkhambha Krishnadas Academy, Varanasi and Reprint Edition-2013.
11. <http://localhost:4001/e-Nighantu/amarakosha/?mod=read>
12. <http://localhost:4001/e-Nighantu/ashtanganighantu/?mod=read>
13. <http://localhost:4001/e-Nighantu/paryayaratnamala/?mod=read>
14. <http://localhost:4001/e-Nighantu/madanadinighantu/?mod=read>
15. <http://localhost:4001/e-Nighantu/shabdacandrika/?mod=read>
16. <http://localhost:4001/e-Nighantu/dhanvantarinighantu/?mod=read>
17. <http://localhost:4001/e-Nighantu/shodhalanighantu/?mod=read>
18. <http://localhost:4001/e-Nighantu/nighantushesha/?mod=read>
19. Acarya Somdeva, Rasendra Cudamani, Kakamacyadi Gana, Chowkhambha Orientalia, Varanasi and Reprint Edition-2009, Pg.no:125.
20. Indra Dev Tripathi, Rasa Ratna Samuchchaya, Visahara gana, Chaukhamba Sanskrit Sansthan, Varanasi and Reprint Edition-2012, Pg.no:400.
21. <http://localhost:4001/e-Nighantu/madanapalanighantu/?mod=read>

22. <http://localhost:4001/e-Nighantu/rajanighantu/?mod=read>
23. <http://localhost:4001/e-Nighantu/kaiyadevanighantu/?mod=read>
24. <http://localhost:4001/e-Nighantu/bhavaprakashanighantu/?mod=read>
25. <http://localhost:4001/e-Nighantu/sarasvatiniighantu/?mod=read>
26. Kemaraj Sri Krishnadas, Saligrama Nighantu, Guducyadi Varga, Sri Venkateswara Mudranalay, Mumabi, Reprint Edition- 1867, Pg.no:419, 420.
27. Bapalal G Vaidya, Nighantu Adarsa, Varga Kantakaryadi, Varanasi: ChaukhambhaBharati Academy; 2<sup>nd</sup> edition, 1999, Pg.no:126.
28. Priyavrat. Sharma. Priya Nighantu Satapuspad Varga, Varanasi: Chaukhamba Surbharti Prakashan; Edition 2004, Pg.no:103.
29. Kashinadh Sastri, Rasatarangini, Rasasya Niyamaka Gana, Motilal Banarsidas, Delhi, Reprint Edition- 2012, Pg.no:64.
30. Kashinadh Sastri, Rasatarangini, Kakarastaka, Motilal Banarsidas, Delhi, Reprint Edition- 2012, Pg.no:171.
31. Kashinadh Sastri, Rasatarangini, Parada Maraka Gana, Motilal Banarsidas, Delhi, Reprint Edition- 2012, Pg.no:156.
32. Kashinadh Sastri, Rasatarangini, Abhraka Marana Dravya, Motilal Banarsidas, Delhi, Reprint Edition- 2012, Pg.no:226.
33. Kashinadh Sastri, Rasatarangini, Abhraka Marana Gana, Motilal Banarsidas, Delhi, Reprint Edition- 2012, Pg.no:231.
34. <http://localhost:4001/e-Nighantu/abhidhanamanjari/?mod=read>
35. The Ayurvedic Pharmacopoeia of India- Part 1 (Vol.2) by the Controller of Publications Civil Lines, Delhi – 110054, Pg.no:66.
36. Wealth of India Vol.3: Pi-Z, by National Institute of Science Communication and Information Resources, CSIR New Delhi, India, reprint-2009, Pg.no:391-392.

