

**A LITERARY REVIEW ON THE MEDICINAL IMPORTANCE OF AGNIMANTHA**

**Dr. Nishant Aggarwal\*<sup>1</sup> and Dr. Ritu Rani<sup>2</sup>**

<sup>1</sup>Assistant Professor, Department of Dravyaguna at Shri Bhanwar Lal Duggar Ayurved Vishwa Bharati, Sardarshaher, Churu, Rajasthan, India.

<sup>2</sup>Assistant Professor, Department of Dravyaguna at Shri Bhanwar Lal Duggar Ayurved Vishwa Bharati, Sardarshaher, Churu, Rajasthan, India.

**\*Corresponding Author: Dr. Nishant Aggarwal**

Assistant Professor, Department of Dravyaguna at Shri Bhanwar Lal Duggar Ayurved Vishwa Bharati, Sardarshaher, Churu, Rajasthan, India.

Article Received on 08/11/2019

Article Revised on 28/11/2019

Article Accepted on 18/12/2019

**ABSTRACT**

An *Ayurveda science* has got a peculiarity in the management of diseases. *Agnimantha* is one of such drugs which play a very important role in the management of many diseases. It is an important medicinal plant which has been used in Indian system of medicine since antiquity for the treatment of various disorders. The present study aim to review of this drug both *Ayurvedic* as well as modern point of view. It contains various active principles raffinose, apigenin, betulin, premnenol etc. On the basis of *Ayurvedic* literature, experimental and clinical studies conducted in various institutes drug possess that the drug having various properties like *Kapha-Vata-Hara*, *Sothahara*, *Dipana* etc.

**KEYWORDS:** *Agnimantha*, Tarkari, Arni, Kaphavata etc.

**INTRODUCTION**

*Ayurveda* is an ancient Indian system holistic medicine and plants are the backbone of this science. *Agnimantha* is one of such drug which is used to treat various disorders. It is the main ingredient of *Brhatpanchmula*<sup>[1]</sup> as well as *Dashmula*.<sup>[2]</sup> *Agnimantha* is well explained drug, by all the *Ayurvedic* texts. Its stem/sticks were used to produce fire. It is a plant considered essential for rituals also. Like *Patala*, *Agnimantha* is also found to be *Shvyathuhara* according to *Acharya Charaka*.<sup>[3]</sup> *Tarkari* and *Agnimantha* are described together by *Acharya Charaka* in one context.<sup>[4]</sup> *Acharya Sushruta* enumerated *Tarkari* and *Agnimantha* separately in the *Varunadi Gana*.<sup>[5]</sup> In *Astang Sangraha*, *Tarkari dvaya* is delineated.<sup>[6]</sup> From these references it is clear that *Brhatrayi* mentioned two kinds of *Agnimantha* among the *Nighantus*. *Amarkosha* considered *Agnimantha* &

*Tarkari* as different plants.<sup>[7]</sup> The same is accepted by almost all the *Nighantus*. *Bhavmishra* mentioned only one variety i.e. *Agnimantha* for which *Tarkari* is the synonym.<sup>[8]</sup> In *Kaidev Nighantu* earlier quoted that *Agnimantha* is better *Sothahara* as well as *Vatahara* drug.<sup>[9]</sup> It is interesting to note that *Madanpala*<sup>[10]</sup> neither mentioned *Agnimantha* and *Tarkari*. But he mentioned *Agnimantha* and *Ganikarika* separately.

**Classical categorization of Agnimantha**

S. No.	Classical texts	Gana and Varga
1.	<i>Charak Samhita</i>	<i>Shvyathuhara</i> , <sup>[11]</sup> <i>Shitaprashmanam</i> , <sup>[12]</sup> <i>Anuvasanopaga</i> <sup>[13]</sup>
2.	<i>Sushruta Samhita</i>	<i>Varunadi</i> <sup>[14]</sup> , <i>Vatasamshamana</i> <sup>[15]</sup>
3.	<i>Astang Sangraha</i>	<i>Varunadi Gana</i> <sup>[16]</sup>
4.	<i>Dhanvantri Nighantu</i>	<i>Guduchaiyadi Varga</i> <sup>[17]</sup>
5.	<i>Priya Nighantu</i>	<i>Haritkayadi Varga</i> <sup>[18]</sup>
6.	<i>Madanpal Nighantu</i>	<i>Abhyadi Varga</i> <sup>[19]</sup>
7.	<i>Kaidev Nighantu</i>	<i>Oushadi Varga</i> <sup>[20]</sup>
8.	<i>Bhavaparkasha Nighantu</i>	<i>Guduchaiyadi Varga</i> <sup>[21]</sup>

Vernacular Names of *Agnimantha*.<sup>[22]</sup>

S. No.	Language	Names
1.	Sanskrit	<i>Agnimantha</i>
2.	Hindi	<i>Arnii</i>
3.	Gujrati	<i>Arni</i>
4.	Tamil	<i>Irume mulle munne</i>
5.	Bangali	<i>Ganiyari</i>
6.	Udia	<i>Gandhona</i>
7.	Malyalam	<i>Appail</i>
8.	Nepali	<i>Ginari</i>
9.	Garwal	<i>Bakorcha</i>

Synonyms of *Agnimantha* in Different Classical texts.<sup>[23,24,25,26,27,28]</sup>

S. No.	Synonyms	S.N.	B.P.N.	K.N.	D.N.	M.N.	N.A.
1.	<i>Shriparni</i>	+	+	-	+	+	+
2.	<i>Vaijyantica</i>	+	+	+	+	+	+
3.	<i>Jaya</i>	+	+	+	+	+	+
4.	<i>Ketu</i>	+	-	+	+	+	-
5.	<i>Tarkari</i>	+	+	+	+	+	+
6.	<i>Ganikarika</i>	+	+	+	+	-	+
7.	<i>Jayanti</i>	-	+	+	-	+	-
8.	<i>Nadei</i>	-	+	-	+	+	+
9.	<i>Karnika</i>	+	-	-	-	+	+
10.	<i>Tapana</i>	+	-	-	-	-	-
11.	<i>Tanutwak</i>	+	-	-	-	-	-
12.	<i>Tajovriksha</i>	+	-	-	-	-	-
13.	<i>Arni</i>	+	+	+	+	+	+

Action & uses of *Agnimantha* in Different Classical texts

S. No.	Classical texts	Action & Uses
1.	<i>Charaka Samhita</i>	<i>Shvyathuhara</i> <sup>[29]</sup>
2.	<i>Susrutta Samhita</i>	<i>Vatasamshamana</i> <sup>[30]</sup>
3.	<i>Astanga Sangraha</i>	<i>Kaphaa-Med-Agnimandya-Nashaka</i> <sup>[31]</sup>
4.	<i>Bhavaparkasha Nighantu</i>	<i>Deepana</i> , <sup>[32]</sup> <i>Balya</i> , <sup>[33]</sup> <i>Rasayana</i> , <sup>[34]</sup> <i>Sitprashmanam</i> , <sup>[35]</sup> <i>Saraka</i> , <sup>[36]</sup> <i>Vata-Kaphasamaka</i> , <sup>[37]</sup> <i>Sothanashaka</i> , <sup>[38]</sup> <i>Panduroganashaka</i> , <sup>[39]</sup> <i>Agnivardhaka</i> <sup>[40]</sup>
5.	<i>Madanpala Nighantu</i>	<i>Vatasamshamna</i> , <sup>[41]</sup> <i>Kaphasamshanmna</i> , <sup>[42]</sup> <i>Sothahara</i> <sup>[43]</sup>
6.	<i>Dhanvantri Nighantu</i>	<i>Vatasamshamna</i> , <sup>[44]</sup> <i>Kaphasamshanmna</i> , <sup>[45]</sup> <i>Sothahara</i> , <sup>[46]</sup> <i>Aama Dosh</i> , <sup>[47]</sup> <i>Vibandha</i> <sup>[48]</sup>
7.	<i>Kaidev Nighantu</i>	<i>Vata-Kaphahara</i> , <sup>[49]</sup> <i>Sothahara</i> , <sup>[50]</sup> <i>Agnivardhaka</i> , <sup>[51]</sup> <i>Pandurogahara</i> <sup>[52]</sup>
8.	<i>Priya Nighantu</i>	<i>Vata-Kaphasamaka</i> , <sup>[53]</sup> <i>Sothhara</i> , <sup>[54]</sup> <i>Agnidipaka</i> , <sup>[55]</sup> <i>Jwaranashaka</i> <sup>[56]</sup>




Rasapanchaka of *Agnimantha* in Different Classical texts.<sup>[57,58,59,60,61,62]</sup>

S. No.	Classical texts	Rasa	Guna	Virya	Vipaka	Doshakarma
1.	<i>Dhanwantri Nighantu</i>	<i>Katu, Tikta</i>	-	<i>Usna</i>	-	<i>Vata-Kapha-samaka</i>
2.	<i>Priya Nighantu</i>	<i>Tikta, Kashaya</i>	-	<i>Usna</i>	-	<i>Vata-Kapha-samaka</i>
3.	<i>Madanpala Nighantu</i>	-	-	<i>Usna</i>	-	<i>Vata-Kapha-samaka</i>
4.	<i>Bhavprakash Nighantu</i>	<i>Katu, Tikta, Kashaya, Madhura</i>	-	<i>Usna</i>	-	<i>Kapha-Vata-samaka</i>
5.	<i>Kaidev Nighantu</i>	<i>Katu, Tikta, Kashaya, Madhura</i>	-	<i>Usna</i>	-	<i>Vata-Kapha-samaka</i>
6.	<i>Nighantu Adarsha</i>	<i>Katu, Tikta, Kashaya</i>	-	<i>Usna</i>	<i>Katu</i>	<i>Vata-Kapha-samaka</i>

Taxonomical classification of *Agnimantha*

S. No.	Taxonomical classification	<i>Clerodendrum phlomidis</i> Linn. <sup>[63]</sup>	<i>Premna integrifolia</i> Linn. <sup>[64]</sup>	<i>Premnamucronata</i> Roxb. <sup>[65]</sup>
1.	Kingdom	Plantae	Plantae	Plantae
2.	Clade	Tracheophytes	Tracheophytes	Tracheophytes
3.	Order	Lamiales	Lamiales	Lamiales
4.	Family	Lamiaceae	Lamiaceae	Lamiaceae
5.	Genus	Clerodendrum	Premna	Premna
6.	Species	C. phlomidis	P. integrifolia	P. mucronata

Botanical Description of Different varieties of *Agnimantha*

S. No.	Botanical Discription	<i>Clerodendrum phlomidis</i> Linn. <sup>[66]</sup>	<i>Premna integrifolia</i> Linn. <sup>[67]</sup>	<i>Premna mucronata</i> Roxb. <sup>[68]</sup>
1.	Habit	A large bushy shrub.	A large shrub or small tree.	A small tree.
2.	Bark	Woody	Brown and thin	Thin, pale and exfoliating.
3.	Branches	Spiny	Large branches spinous usually	Spiny
4.	Leaves	Ovate-sinuete or serrete.	Opposite or whorled and entire or serrete.	Ovate-oblong, long acuminate, base rounded, cordate or tapering, entire or irregularly dentate.
5.	Flowers	Pubescent beneath flower, white coloured and fragrant.	Small, irregular, arranged in terminal corymbs, greenish white, with unpleasant smell.	Arranged in terminal, corymbose, trichomous panicles and are greenish in colour.
6.	Fruits	Black, slightly succulent.	Black coloured drupe like fruit.	A globose drupe, green when young, dark at maturity.
7.	Seeds	Oblong	Oblong shape	Dark color
8.	Distribution	Bihar, Punjab & West Bengal	South India & West Bengal (Northern parts)	Sub-tropical, Himalyan tracts extended from Chenab in north-west India to Bhutan in the east. Also, found in dry forests tracts of South-West Bengal, Odisha and coastal Peninsular India.
9.	Chemical Constituents	Pectolarigenin, scutellarein, apigenin, hispidulin, clerosterol, clerodi clerodendrin A, cerolic acid, ceryl alcohol, raffinose etc.	$\beta$ – sitosterol, luteolin (leaves); aphelandrine, premnine, betulin, ganiarine, ganikarine, caryophellen, premenol, premnaspirodien etc.	Linalool, linolic acid, P- methoxy cinnamic acid, aphelandrine, caryophellen, clerodendrin-A, canikarine, Iridoid glycoside, luteolin.
10.	Image			

Therapeutic uses of *Agnimantha*

- Ikshumeha** – *Agnimantha* decoction is useful.<sup>[69]</sup>
- Sthoulya** – *Silajatu* is to be given with *Agnimantha Swarasa*.<sup>[70]</sup>
- Gandmala** – local application of leaves paste.<sup>[71]</sup>
- Urustabha** – the paste of root with *Gomutra* used externally.<sup>[72]</sup>
- Arsh** – sits bath with its leaves *Kwath* is helpful in relieving pain during *Arsh*.<sup>[73]</sup>
- Lymphadenitis** - *Agnimantha* root powder should be taken in dosage of 2 grams twice daily with water. In addition to this, an herbal paste prepared from fresh *Agnimantha* leaves and bamboo leaves should also be applied on the swelling externally.<sup>[74]</sup>
- Neuralgia** - 100 ml *Agnimantha Kwath* should be given along with 125 mg *Mukta Pishiti* and 125 mg *Rajat Bhasma* twice daily for the best results.<sup>[75]</sup>
- Urticaria** - 2 grams *Agnimantha* root powder can be

used along with 125 mg *Yashad Bhasma* for good results.<sup>[76]</sup>

## DISCUSSION

*Agnimantha* is explained in *Ayurvedic* texts like *Charaka Samhita*, *Sushruta Samhita*, *Astanga Sangraha*, *Bhavprakash Nighantu*, *Nighantu Adarsha*, *Priya Nighantu*, *Dhanvantri Nighantu* etc. According to *Nighantu Adarsha Chlerodendrum phlomidies* Linn. is *Arni* and *Premna integrifolia* linn is *Tarkari*. And *Chlerodendrum multiflorum* Burm is the synonym of *Chlerodendrum phlomidies*. *Acharya Priya Vrat Sharma* states in his book *Dravyaguna Vigyanam* volume II that *Premna mucronata* Roxb is *Agnimantha*. The presence of *Katu-Tikta Rasa*, *Usna Virya*, *Katu Vipaka* and chemicals like *Pectolarigenin*, *scutellarein*, *apigenin*, *hispidulin*, *clerosterol*, *clerodi*, *clerodendrin A*, *cerolic acid*, *ceryl alcohol*, *raffinose aphelandrine*, *premnine*, *betulin*, *ganarine*, *ganikarine*, *caryophellen*, *premnol*, *premnaspirodiene* etc. makes it *Arsha*, *Urticaria*, *Neuralgia*, *Lymphadenitis*, *Sthoulya*, *Urustabha Nashana*.

## CONCLUSION

After studying in detail about *Agnimantha* in various texts it can be conclude that the *Agnimantha* having a property to produce fire by rubbing its sticks and the drug *Agnimantha* is described by almost all the *Ayurvedic* authors, but the thing is that everyone explained it with a different botanical name. If we think from *Ayurvedic* point of view then the drug which posses *Katu-Tikta Rasa*, *Usna Virya* and *Katu Vipaka* can either be *Agnimantha*, *Tarkari* or *Arni* because they are described as synonyms of each other also. As per *Ayurvedic* properties all three possess same properties and can be used as substitutes of each other. But if we consider modern concept than we can only say that *Premna mucronata* Roxb is actual *Agnimantha* while two are its varieties *Chlerodendrum phlomidies* Linn and *Premna integrifolia* Linn, because its having the property of producing fire after rubbing its sticks with each other and all of three belongs to same family with different botanical characteristics but with almost same chemical constituents.

## REFERENCES

1. Sushruta, Sushruta Samhita, Sutrathana, Edited with Ayurveda-Tattava-Sandipika, commentary by Kaviraj Dr Ambika Dutt Shastri, Reprint edition 2007; Chaukhambha Publications; New Delhi; Adhaya 38/69; p-146.
2. Sushruta, Sushruta Samhita, Sutrathana, Edited with Ayurveda-Tattava-Sandipika, Hindi commentary by Kaviraj Dr Ambika Dutt Shastri, Reprint edition 2007; Chaukhambha Publications; New Delhi; Adhaya 38/71; p-146.
3. Agnivesh, Charaka, Dradhhabala, Charaka Samhita, Sutrathana, edited with Ayurved-Dipika, Hindi commentary by Vd. Harish Chandra Singh Kushwaha, Reprint edition 2016, Chaukhamba Orientalia, Varanasi, Adhaya 4/38, p-66.
4. Agnivesh, Charaka, Dradhhabala, Charaka Samhita, Chikitsasathana, edited with Caraka-Chandrika, Hindi commentary by Dr Brahmanand Tripathi, Edition 2016, Chaukhamba Surbharati Prakashan, Varanasi, Adhaya 27/57, p-929.
5. Sushruta, Sushruta Samhita, Sutrathana, Edited with Ayurveda-Tattava-Sandipika, commentary by Kaviraj Dr Ambika Dutt Shastri, Reprint edition 2007; Chaukhambha Publications; New Delhi; Adhaya 38/8; p-142.
6. Vagbhatta, Himadri, Astang Sangraha, Chikitsasathana, Edited with Sarvanga Sundari, commentary by Shri Pt. Lal Chand Shastri, Baidhyanath Ayurved Bhawan Ptd., Adhaya 23/77, p-998.
7. Amarsimha, Amarkosha, Prof. satya dev mishra, Dwitya Kanda, vanoushadhi varga, Ist edition 2005, Jagdish Sanskrit Pustkalya, Jaipur, p-122.
8. Bhavmishra, Bhavprakash Nighantu, Guduchiyadi Varga, commentary by Dr K.C. Chunekar, edited by Dr G.S. Pandey, Chaukhambha Bharati Academy, Varanasi, p-281.
9. Kaidev, Kaidev Nighantu, Aushadha Varga, edited and translated by Acharya Priyavart Sharma and Dr Guru Prasad Sharma, Chaukhambha Orientalia, Varanasi, p-8.
10. Madanpala, Madanpal Nighantu, Abhayadi varga, by Hariprasad Tripathi, edition 2009, Chaukhamba Krishna Das Academy, Varanasi, p-33.
11. Agnivesh, Charaka, Dradhhabala, Charaka Samhita, Sutrathana, edited with Ayurved-Dipika, Hindi commentary by Vd. Harish Chandra Singh Kushwaha, Reprint edition 2016, Chaukhamba Orientalia, Varanasi, Adhaya 4/38, p-66.
12. Agnivesh, Charaka, Dradhhabala, Charaka Samhita, Sutrathana, edited with Ayurved-Dipika, Hindi commentary by Vd. Harish Chandra Singh Kushwaha, Reprint edition 2016, Chaukhamba Orientalia, Varanasi, Adhaya 4/42, p-67.
13. Agnivesh, Charaka, Dradhhabala, Charaka Samhita, Sutrathana, edited with Ayurved-Dipika, Hindi commentary by Vd. Harish Chandra Singh Kushwaha, Reprint edition 2016, Chaukhamba Orientalia, Varanasi, Adhaya 4/26, p-65.
14. Sushruta, Sushruta Samhita, Sutrathana, Edited with Ayurveda-Tattava-Sandipika, commentary by Kaviraj Dr Ambika Dutt Shastri, Reprint edition 2007; Chaukhambha Publications; New Delhi; Adhaya 38/69; p-146.
15. Sushruta, Sushruta Samhita, Sutrathana, Edited with Ayurveda-Tattava-Sandipika, commentary by Kaviraj Dr Ambika Dutt Shastri, Reprint edition 2007; Chaukhambha Publications; New Delhi; Adhaya 38/78; p-146.
16. Vagbhatta, Himadri, Astang Sangraha, Sutrathana, commentary by Kaviraj Atrideva Gupta, Chaukhambha Orientalia, Adhaya 16/15, p-137.
17. Mahendra Bhogolik, Dhavantri Nighantu, Guduchiyadi Varga, edited by Prof. Priyavart

- Sharma, Chaukhambha Orientalia, Varanasi, p-35.
18. Acharya Priyavart Sharma, Priya Nighantu, Haritkyadi Varga, by Acharya Priyavart Sharma, Chaukhambha Surbharati Prakashan, Varanasi, p-10.
  19. Madanpala, Madanpal Nighantu, Abhayadi varga, by Hariprasad Tripathi, edition 2009, Chaukhamba Krishna Das Academy, Varanasi, p-33.
  20. Kaidev, Kaidev Nighantu, Aushadha Varga, edited and translated by Acharya Priyavart Sharma and Dr Guru Prasad Sharma, Chaukhambha Orientalia, Varanasi, p-8.
  21. Bhavmishra, Bhavprakash Nighantu, Guduchiyadi Varga, commentary by Dr K.C. Chunekar, edited by Dr G.S. Pandey, Chaukhambha Bharati Academy, Varanasi, p-281.
  22. Dr J.L.Nr. Shastry, Dravyaguna Vijnana, volume II, forwarded to Prof. K.C. Chunekar, reprint edition 2015, Chaukhamba Orientalia, Varanasi, p-418.
  23. Sodhal, Sodhal Nighantu, by Prof. Gyanender Pandey, First edition 2009, Chaukhamba Krishan Das Academy, Varanasi, p-34.
  24. Bhavmishra, Bhavprakash Nighantu, Guduchiyadi Varga, commentary by Dr K.C. Chunekar, edited by Dr G.S. Pandey, Chaukhambha Bharati Academy, Varanasi, p-281.
  25. Kaidev, Kaidev Nighantu, Aushadha Varga, edited and translated by Acharya Priyavart Sharma and Dr Guru Prasad Sharma, Chaukhambha Orientalia, Varanasi, p-8.
  26. Mahendra Bhogolik, Dhavantri Nighantu, Guduchiyadi Varga, edited by Prof. Priyavart Sharma, Chaukhambha Orientalia, Varanasi, p-35.
  27. Madanpala, Madanpal Nighantu, Abhayadi varga, by Hariprasad Tripathi, edition 2009, Chaukhamba Krishna Das Academy, Varanasi, p-33.
  28. Bapalala G. Vaidya, Nighantu Adarsha, volume II, Nirgundiadi varga, Chaukhambha Bharati Academy, Varanasi, p-250.
  29. Agnivesh, Charaka, Dradhabala, Charaka Samhita, Sutrathana, edited with Ayurved-Dipika, Hindi commentary by Vd. Harish Chandra Singh Kushwaha, Reprint edition 2016, Chaukhamba Orientalia, Varanasi, Adhaya 4/38, p-66.
  30. Sushruta, Sushruta Samhita, Sutrathana, Edited with Ayurveda-Tattava-Sandipika, commentary by Kaviraj Dr Ambika Dutt Shastri, Reprint edition 2007; Chaukhambha Publications; New Delhi; Adhaya 38/78; p-146.
  31. Vagbhatta, Himadri, Astang Sangraha, Sutrathana, commentary by Kaviraj Atrideva Gupta, Chaukhambha Orientalia, Adhaya 16/15, p-137.
  32. Bhavmishra, Bhavprakash Nighantu, Guduchiyadi Varga, commentary by Dr K.C. Chunekar, edited by Dr G.S. Pandey, Chaukhambha Bharati Academy, Varanasi, p-282.
  33. Bhavmishra, Bhavprakash Nighantu, Guduchiyadi Varga, commentary by Dr K.C. Chunekar, edited by Dr G.S. Pandey, Chaukhambha Bharati Academy, Varanasi, p-282.
  34. Bhavmishra, Bhavprakash Nighantu, Guduchiyadi Varga, commentary by Dr K.C. Chunekar, edited by Dr G.S. Pandey, Chaukhambha Bharati Academy, Varanasi, p-282.
  35. Bhavmishra, Bhavprakash Nighantu, Guduchiyadi Varga, commentary by Dr K.C. Chunekar, edited by Dr G.S. Pandey, Chaukhambha Bharati Academy, Varanasi, p-283.
  36. Bhavmishra, Bhavprakash Nighantu, Guduchiyadi Varga, commentary by Dr K.C. Chunekar, edited by Dr G.S. Pandey, Chaukhambha Bharati Academy, Varanasi, p-283.
  37. Bhavmishra, Bhavprakash Nighantu, Guduchiyadi Varga, commentary by Dr K.C. Chunekar, edited by Dr G.S. Pandey, Chaukhambha Bharati Academy, Varanasi, p-282.
  38. Bhavmishra, Bhavprakash Nighantu, Guduchiyadi Varga, commentary by Dr K.C. Chunekar, edited by Dr G.S. Pandey, Chaukhambha Bharati Academy, Varanasi, p-282.
  39. Bhavmishra, Bhavprakash Nighantu, Guduchiyadi Varga, commentary by Dr K.C. Chunekar, edited by Dr G.S. Pandey, Chaukhambha Bharati Academy, Varanasi, p-281.
  40. Bhavmishra, Bhavprakash Nighantu, Guduchiyadi Varga, commentary by Dr K.C. Chunekar, edited by Dr G.S. Pandey, Chaukhambha Bharati Academy, Varanasi, p-281.
  41. Madanpala, Madanpal Nighantu, Abhayadi varga, by Hariprasad Tripathi, edition 2009, Chaukhamba Krishna Das Academy, Varanasi, p-33.
  42. Madanpala, Madanpal Nighantu, Abhayadi varga, by Hariprasad Tripathi, edition 2009, Chaukhamba Krishna Das Academy, Varanasi, p-33.
  43. Madanpala, Madanpal Nighantu, Abhayadi varga, by Hariprasad Tripathi, edition 2009, Chaukhamba Krishna Das Academy, Varanasi, p-33.
  44. Mahendra Bhogolik, Dhavantri Nighantu, Guduchiyadi Varga, edited by Prof. Priyavart Sharma, Chaukhambha Orientalia, Varanasi, p-36.
  45. Mahendra Bhogolik, Dhavantri Nighantu, Guduchiyadi Varga, edited by Prof. Priyavart Sharma, Chaukhambha Orientalia, Varanasi, p-36.
  46. Mahendra Bhogolik, Dhavantri Nighantu, Guduchiyadi Varga, edited by Prof. Priyavart Sharma, Chaukhambha Orientalia, Varanasi, p-36.
  47. Mahendra Bhogolik, Dhavantri Nighantu, Guduchiyadi Varga, edited by Prof. Priyavart Sharma, Chaukhambha Orientalia, Varanasi, p-36.
  48. Mahendra Bhogolik, Dhavantri Nighantu, Guduchiyadi Varga, edited by Prof. Priyavart Sharma, Chaukhambha Orientalia, Varanasi, p-36.
  49. Kaidev, Kaidev Nighantu, Aushadha Varga, edited and translated by Acharya Priyavart Sharma and Dr Guru Prasad Sharma, Chaukhambha Orientalia, Varanasi, p-8.
  50. Kaidev, Kaidev Nighantu, Aushadha Varga, edited and translated by Acharya Priyavart Sharma and Dr Guru Prasad Sharma, Chaukhambha Orientalia, Varanasi, p-8.
  51. Kaidev, Kaidev Nighantu, Aushadha Varga, edited

- and translated by Acharya Priyavart Sharma and Dr Guru Prasad Sharma, Chaukhambha Orientalia, Varanasi, p-8.
52. Kaidev, Kaidev Nighantu, Aushadha Varga, edited and translated by Acharya Priyavart Sharma and Dr Guru Prasad Sharma, Chaukhambha Orientalia, Varanasi, p-8.
  53. Acharya Priyavart Sharma, Priya Nighantu, Haritkyadi Varga, by Acharya Priyavart Sharma, Chaukhambha Surbharati Prakashan, Varanasi, p-10.
  54. Acharya Priyavart Sharma, Priya Nighantu, Haritkyadi Varga, by Acharya Priyavart Sharma, Chaukhambha Surbharati Prakashan, Varanasi, p-10.
  55. Acharya Priyavart Sharma, Priya Nighantu, Haritkyadi Varga, by Acharya Priyavart Sharma, Chaukhambha Surbharati Prakashan, Varanasi, p-10.
  56. Acharya Priyavart Sharma, Priya Nighantu, Haritkyadi Varga, by Acharya Priyavart Sharma, Chaukhambha Surbharati Prakashan, Varanasi, p-10.
  57. Mahendra Bhogolik, Dhavantri Nighantu, Guduchiyadi Varga, edited by Prof. Priyavart Sharma, Chaukhambha Orientalia, Varanasi, p-36.
  58. Acharya Priyavart Sharma, Priya Nighantu, Haritkyadi Varga, by Acharya Priyavart Sharma, Chaukhambha Surbharati Prakashan, Varanasi, p-10.
  59. Madanpala, Madanpal Nighantu, Abhayadi varga, by Hariprasad Tripathi, edition 2009, Chaukhamba Krishna Das Academy, Varanasi, p-33.
  60. Bhavmishra, Bhavprakash Nighantu, Guduchiyadi Varga, commentary by Dr K.C. Chunekar, edited by Dr G.S. Pandey, Chaukhambha Bharati Academy, Varanasi, p-281.
  61. Kaidev, Kaidev Nighantu, Aushadha Varga, edited and translated by Acharya Priyavart Sharma and Dr Guru Prasad Sharma, Chaukhambha Orientalia, Varanasi, p-8.
  62. Bapalala G. Vaidya, Nighantu Adarsha, volume II, Nirgundiyadi varga, Chaukhambha Bharati Academy, Varanasi, p-250.
  63. <https://www.google.com/search?q=agnimantha+wikipedia&aq=agnimantha+wiki&aqs=chrome.1.69i57j0j69i60.9630j0j8&sourceid=chrome&ie=UTF-8>
  64. [https://en.wikipedia.org/wiki/Premna\\_serratifolia](https://en.wikipedia.org/wiki/Premna_serratifolia)
  65. <https://www.gbif.org/species/3896924>
  66. Dr J.L.Nr. Shastry, Dravyaguna Vijnana, volume II, forwarded to Prof. K.C. Chunekar, reprint edition 2015, Chaukhamba Orientalia, Varanasi, p-418.
  67. <http://vikaspedia.in/agriculture/crop-production/package-of-practices/medicinal-and-aromatic-plants/premna-integrifolia>
  68. <http://vikaspedia.in/agriculture/crop-production/package-of-practices/medicinal-and-aromatic-plants/premna-mucronata-1>
  69. Sushruta, Sushruta Samhita, Chikitsasathana, Edited with Ayurveda-Tattava-Sandipika, commentary by Kaviraj Dr Ambika Dutt Shastri, Reprint edition 2007; Chaukhambha Publications; New Delhi; Adhaya 11/8; p-60.
  70. Agnivesh, Charaka, Dradhabala, Charaka Samhita, Sutrathana, edited with Ayurved-Dipika, Hindi commentary by Vd. Harish Chandra Singh Kushwaha, Reprint edition 2016, Chaukhamba Orientalia, Varanasi, Adhaya 21/24, p-312.
  71. Bhavmishra, Bhavprakash Nighantu, Guduchiyadi Varga, commentary by Dr K.C. Chunekar, edited by Dr G.S. Pandey, Chaukhambha Bharati Academy, Varanasi, p-283.
  72. Bhavmishra, Bhavprakash Nighantu, Guduchiyadi Varga, commentary by Dr K.C. Chunekar, edited by Dr G.S. Pandey, Chaukhambha Bharati Academy, Varanasi, p-283.
  73. Bhavmishra, Bhavprakash Nighantu, Guduchiyadi Varga, commentary by Dr K.C. Chunekar, edited by Dr G.S. Pandey, Chaukhambha Bharati Academy, Varanasi, p-283.
  74. <https://www.ayurtimes.com/agnimantha-premna-integrifolia/>
  75. <https://www.ayurtimes.com/agnimantha-premna-integrifolia/>
  76. <https://www.ayurtimes.com/agnimantha-premna-integrifolia/>