

A Translation of the Nepalese Text of the *Suśrutasamhitā*

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Sūtrasthāna

Nidānasthāna

Śārīrasthāna

Cikitsāsthāna

Kalpasthāna

Kalpasthāna 5: Therapy for those Bitten by Snakes

Introduction

Literature

A brief survey of this chapter's contents and a detailed assessment of the existing research on it to 2002 was provided by Meulenbeld.⁴⁶⁵

⁴⁶⁵ [HIML](#): IA, 294–295. In addition to the translations mentioned by Meulenbeld ([HIML](#): IB, 314–315), a translation of this chapter was included in P. V. Sharma [1999–2001](#): 3, 35–45.

Translation

- 1 Now we shall explain the procedure (*kalpa*) that is the therapy for someone bitten by a snake.⁴⁶⁶
- 3 For a person bitten on a limb by any snake, one should first of all make a strong binding, at four fingers measure above the bite.⁴⁶⁷
- 4 Poison does not move around into the body if it is prevented by bandages (*ariṣṭā*) or by any other soft items of cloth (*plota*), leather (*car-mānta*) or bark.⁴⁶⁸
- 5 Where a bandage (*bandha*) is not suitable, one should raise the bite up and then cauterize it.⁴⁶⁹ Suction, cutting and cauterizing are recommended in all cases.
- 6 Suction will be good after filling the mouth with earth (*pāṃśu*).⁴⁷⁰ Alternatively, the snake should be bitten by the person who knows they have just been bitten.⁴⁷¹
- 7 Now, one should not cauterize anyone bitten by a Maṇḍalin. Because of the over-abundance of bile-poison (*pittaviṣa*), that bite will cause destruction as a result of cauterization.
- 8 Also, an expert in mantras should, together with mantras, tie on a bandage (*ariṣṭā*). They say that if that is bound with ropes and so on it creates a poison-stink (*viṣapūtī*).

466 On कल्प, see note 422.

467 Application of a tourniquet is deprecated by modern establishment medicine, which relies on antivenom medications (e.g., Pillay 2013: 150–151 et passim in the literature). The vulgate introduces the word अरिष्टा at this point. This may be a borrowing from Ci.23.251cd (Ca 1941: 582).

468 It is hard to translate the word अरिष्टा otherwise than “bandage,” as referred to by बन्धी-यात् in the previous verse, and apparently similar to items of cloth etc., and called a बन्ध in the next verse. But in general Sanskrit literature, including medical literature, the word means either “an alcoholic tonic” or “an omen of death,” (1.30.3 (Su 1938: 137)), or is a plant name. This raises a question mark over its unique meaning in the present context. The *Aṣṭāṅgahṛdayasaṃhitā* (Utt.36.42cd (Ah 1939: 910)) seems to be a gloss on अरिष्टा, saying “An expert in mantras may bind using a braid made of silk etc. empowered with mantras” (see also 5.5.8 (Su 1938: 575)).

469 The vulgate reads उत्कृत्य “having excised” rather than translate उद्धृत्य “having raised up.”

470 The vulgate recommends cloth, not earth (5.5.6 (Su 1938: 574)).

471 The syntax is odd here, and the vulgate has removed the difficulties. Ḍalhaṇa on 5.5.6 (Su 1938: 574) noted that one should hold the snake firmly and give a good bite to its head and tail (हस्ताभ्यामुपसंगृह्य पुच्छे वक्त्रे च सर्पः सम्यग् दष्टव्यः).

34 ⁴⁷²
78 ⁴⁷³

472 After this verse, the vulgate text adds twelve verses, 35–46, that do not appear in the Nepalese version.

473 After this verse, the vulgate text adds five verses, 79–83, that do not appear in the Nepalese version.

Uttaratantra

Editions and Abbreviations

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- Anup *Anup Sanskrit Library*.
- Apte Apte, Vaman Shivaram (1992), *The Practical Sanskrit-English Dictionary* (Kyoto: Rinsen Book Company), ISBN: 4-653-00038-7; Reprinted from Gode and Karve 1957–59.
- Arthaśāstra* Kangle, R. P. (1960), *The Kauṭilīya Arthaśāstra* (University of Bombay Studies Sanskrit, Prakrit and Pali, 1; Bombay: University of Bombay), accessed 23/09/2021.
- AS *Asiatic Society*.
- As 1980 Āṭhavale, Ananta Dāmodara (1980) (ed.), *अष्टाङ्गसङ्ग्रहः श्रीमद्वाग्भटविरचितः इन्दुव्याख्यासहितः* [= *Vāgbhaṭa's Aṣṭāṅgasāṅgraha with Indu's Commentary*] (Pune: M. A. Āṭhavale, Śrīmad Ātreya Prakāśanam), [ark:/13960/s25bwqsd0n7](https://nirṇayasāgara.org/ark:/13960/s25bwqsd0n7).
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- BL *British Library.*
- Ca 1941 Ācārya, Yādavaśarma Trivikrama (1941) (ed.), *महर्षिणा पुनर्वसुनोपदिष्टा, तच्छिष्येणाग्निवेशेन प्रणीता, चरकदृढबलाभ्यां प्रतिसंस्कृता चरकसंहिता, श्रीचक्रपाणिदत्तविरचितया आयुर्वेददीपिकाव्याख्या संवल्लिता* (3rd edn., Mumbayyāṃ: Nirnaya Sagara Press), [ark:/13960/t48q2f20n](https://nir.nir.org/13960/t48q2f20n).
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- EWA Mayrhofer, Manfred (1986–2001), *Etymologisches Wörterbuch des Altindoarischen* (Heidelberg: Carl Winter, Universitätsverlag), ISBN: 3-533-03826-2.
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- HIML Meulenbeld, Gerrit Jan (1999–2002), *A History of Indian Medical Literature*, 5 vols. (Groningen: E. Forsten), ISBN: 9069801248.
- IOLR Eggeling, Julius, et al. (1887–1935), *Catalogue of the Sanskrit Manuscripts in the Library of the India Office* (London: Secretary of State for India), [ark:/13960/s2kbbk5zcrg9](https://nir.org/13960/s2kbbk5zcrg9).

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- KL *Kaiser Library.*
- Mahākośa* Jośī, Veṇīmādhavaśāstrī, and Jośī, Nārāyaṇa Harī (1968), *आयुर्वेदीय महाकोशः अर्थात् आयुर्वेदीय शब्दकोशः संस्कृत-संस्कृत* (Mumbaī: Mahārāṣṭra Rājya Sāhitya āṇi Saṃskṛti Maṇḍala), ark:/13960/t22c41g8t.
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- MW Monier-Williams, Monier, Leumann, E., Cappeller, C., et al. (1899), *A Sanskrit–English Dictionary Etymologically and Philologically Arranged, New Edition* (Oxford: Clarendon Press); 1970 reprint.
- NAK *National Archives of Kathmandu.*

- NCC Raghavan, V., et al. (1949–), *New Catalogus Catalogorum, an Alphabetical Register of Sanskrit and Allied Works and Authors*, 39 vols. (Madras University Sanskrit Series; Madras: University of Madras); v.1: revised edition, 1968. Searchable at <https://vmlt.in/ncc/>.
- NGMCP NGMCP (2014), “Nepal-german Manuscript Cataloguing Project. Online Title List and Descriptive Catalogue,” Universität Hamburg and Deutsche Forschungsgemeinschaft, [URL](#).
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- PWK Böhrtlingk, Otto (1879), *Sanskrit-wörterbuch in kürzerer fassung* (St. Petersburg: Kaiserlichen Akademie der Wissenschaften), [URL](#), accessed 18/05/2023.
- RORI *Rajasthan Oriental Research Institute*.
- Śabdasindhu Gupta, Umeśachandra, and Sena, Nagendra Nātha (1983), *वैद्यक-शब्दसिन्धुः = Vaidyaka-Śabdasindhuḥ* (3rd edn., Varanasi & Delhi: Chaukhambha Orientalia); 3rd ed. first published in 1914.
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- TMSSML *Tanjore Maharaja Serfoji Saraswati Mahal Library.*
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Index of Manuscripts

Numbers after the final colon refer to pages in this book.

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Materia Medica

Numbers after the final colon refer to pages in this book.

aconite leaf (?) (*viṣapatrikā*) Unknown. Cf. perhaps, *vatsanābha* (wolfsbane). Cf.

GVDB: 373 : 111

‘alas, alas’ (*hālāhala*) unknown. See Cf. Soḍhalanighantu p.43 (sub bola) = stomaka = vatsanābha :

Alexandrian laurel (*punnāga*)

Calophyllum inophyllum, L. See

AVS: 1, 338, NK: 1, #425 :

amaranth (*taṇḍulīyaka*) Amaranthus hypochondriacus, L. See King 321, NK: 1, #144, Potter^{rev}: 15. Cf.

AVS: 1, 121 : 104

arjun (*arjuna*) Terminalia arjuna, Bedd.

See HK: 738 : 34

ash gourd (*kūṣmāṇḍa*) → puṣpaphala.

Beninkasa hispida, (Thunb.) Cogn. See

AVS: 2, 1127; cf. AVS: 1, 261 :

atis root (*śṛṅgīviṣa*) Aconitum

heterophyllum, Wall. ex Royle. See

AVS: 1, 42, NK: 1, #39 :

axlewood (*dhava*) Anogeissus latifolia

(Roxb. ex DC.) Wall. ex Guill & Perr.

See AVS: 1, 163 f, Chopra: 20 : 34, 126

bamboo leaves (*veṇupatrikā*) Bambusa

bambos, Druce. See NK: 1, #307 : 104

banyan (*nyagrodha*) Ficus bengalensis, L.

See HK: 748 :

barley (*yava*) Hordeum vulgare, L. See

HK: 752 : 85

bearded premna (*vasuka*) Premna barbata

Wall. (← *vasuhatṭa*), according to

Cakrapāṇidatta. See the discussion by T. B. Singh and Chunekar

(GVDB: 362–363), where other candidate species such as Osmanthus, Calotropis, and Trianthema are discussed. T. B. Singh and Chunekar (GVDB: 363) note that when *vasuka* is mentioned with *vasira*, two varieties of salt are often meant (see *vasukavasirā*).

See also NK: #1299 who identifies it with Indigofera enneaphylla, Linn. (Birdsville Indigo), apparently without controversy :

beautyberry (*priyaṅgu*) → *śyāmā*.

Callicarpa macrophylla, Vahl. See

AVS: 1, 334, NK: 1, #420. Some say also Setaria italica Beauv. GVDB: 263–264.

See also GVDB: 413 : 34, 122, 127

beautyberry (*śyāmā*) Callicarpa

macrophylla, Vahl. See AVS: 1, 334,

NK: 1, #420 : 80, 102, 104

beggarweed (*aṃśumatī*) Desmodium

gangeticum (L.) DC (Dymock: 1, 428, GJM1: 602, NK: 1, #1192; ADPS: 382, 414 and AVS: 2, 319, 4.366 are confusing) : 122

beggarweed (*vidārigandhā*) → *śālapanṇī*.

Desmodium gangeticum (L.) DC. See

Dymock: 1, 428, GJM1: 602, cf. NK: 1, #1192; ADPS: 382, 414 and AVS: 2, 319, 4.366 are confusing : 43, 85

beggarweed (*śālapanṇī*) → *sthirā*.

- Desmodium gangeticum (L.) DC. See **Dymock**: 1, 428, **GJM1**: 602, **NK**: 1, #1192; **ADPS**: 382, 414 and **AVS**: 2, 319, 4.366 are confusing:
- Bengal quince (*bilva*) Aegle marmelos (L.)
Corr. See **AVS**: 1, 62, Chevallier 159,
NK: 1, #62, (**MW**: 732a) : 63, 76, 78, 82
- 'big poison' (*mahāviṣa*) unknown. See ? :
- 'big thorn apple' (*mahākarambha*) Datura metel, L.?. See **thorn apple** (*karambha*) :
- bitumen (*adrija*) → *śilājī*. A tar-like, black, resinous rock exudate. See **Mahākośa**: 1, 21 : 137
- black cardamom (*Xhareṇu*) Amomum subulatum, Roxb.?. See PVS Caraka 2.734, **AVS**: 1, 128, **NK**: 1, #154, *pace* **GVDB**: 467–468 :
- black creeper (*pālindī*) Ichnocarpus frutescens, (L.) R.Br. or Cryptolepis buchanani, Roemer & Schultes. See **AVS**: 3, 141, 145, 203, **NK**: 1, #1283, 1210, **ADPS**: 434. Ḍalhaṇa on SS 5.1.82 identified *pālindī* with *trivṛt* (**turpeth**) and T. B. Singh and Chuneekar (**GVDB**: 246) supported this as a usual identification : 104, 107, 121, 122
- black pepper (*marica*) Piper nigrum, L. See **ADPS**: 294, **NK**: 1, #1929 : 85
- black pepper (*vallīja*) → marica. Piper nigrum, L.?. See **NK**: 1, #1929; Rā.6.115, Dha.4.85, Dha.2.88 :
- blackboard tree (*saptachada*) Alstonia scholaris R. Br. **GVDB**: 420 : 103
- blackbuck (*hariṇa*) Antelope cervicapra, L. See **BIA**: 270 **IW**: 95, 165, *et passim* : 107
- 'blade' (*kartariya*) unknown. See ? :
- blue water-lily (*utpala*) Nymphaea stellata, Willd. See **GJM1**: 528, **IGP** 790;
Dutt: 110, **NK**: 1, #1726 : 25, 102, 121, 122
- bottle gourd (*ālābūka*) Lagenaria siceria (Molina) Standl. See **IGP** 645, **NK**: 1, #1419 :
- bulrush (*kaṣeru*) "Two species, Scirpus kysoor Roxb., and S. grossus Linn. f. are used" **GVDB**: 85. Also kaṣeruka and kaseru : 80, 81, 84
- calamine lotion (*amṛtāsaṅga*) → amṛtāsaṅga. Zinc carbonate. See **NK**: 2, #56 :
- camphor (*karpūra*) → śītaśiva.
Cinnamomum camphora, (L.) Sieb. See **IGP** 253 :
- cannabis (*vijayā*) Cannabis sativa, L. See **AVS**: 1, 356, **NK**: 1, #442 :
- caper (*karīra*) Capparis decidua (Forsk.) Edgew. See **AVS**: 1, 368, (**MW**: 255b) :
- cardamom (*elā*) Elettaria cardamomum, Maton. See **AVS**: 2, 360, **NK**: 1, #924, **Potter_{rev}**: 66 : 76, 122, 127
- carmarī (*carmarī*) unknown. See ? :
- carray cheddie (*gāṅgerukī*) → viśvadevā.
Canthium parviflorum, Lam. See **AVS**: 1, 366 f :
- cassia cinnamon (*patra*) Cinnamomum tamala, (Buch.-Ham.) Nees. See **AVS**: 2, 84, **NK**: 1, #589 : 76, 82, 104, 122
- castor oil tree (*gandharvahaṣṭa*) → eraṇḍa.
GVDB: 135, **K&B**: 3, 2277 : 39, 78
- castor-oil (*eraṇḍa*) Ricinus communis, L. See **NK**: 1, #2145, **Chopra**: 214 : 44
- certain minerals (*tārāvitāra*) Unknown. It is not even certain that these are minerals. The variant reading in the vulgate, *tāraḥ sutāraḥ* was glossed by Ḍalhaṇa on 5.3.14 (**Su** 1938: 568) as follows *tāro rūpyaṃ, sutāraḥ pāradaḥ*, "tāra means silver; sutāra means mercury." : 126
- Ceylon iron wood (*kṣīrikā*) Mimusops hexandra, Roxb. (**GVDB**: 126–127) :
- chaff (*kāṇḍana*) The word *kāṇḍana* is not found in dictionaries; *kaṇḍana* is threshing, separating the chaff from the grain in a mortar. Cf. Hemādri's *Caturvargacintāmaṇi* (**PWK**: 2, 8) (**Śiromaṇi** 1873: 1, 138: 21, citing the *Vāyupurāṇa*) : 26, 220
- chebulic myrobalan (*harītakī*) Terminalia chebula Retz. **GVDB**: 466 : 83, 103
- cherry (*elavālu*) Prunus cerasus, L.?. See **BVDB** 58, **NK**: 1, #2037, **GVDB**: 58 : 122

- chir pine (*sarala*) *Pinus roxburghii*, Sarg.
GVDB: 423 : 63, 84
- chital deer (*prṣata*) *Axis axis*, Erxleben. See
BIA: 292, IW: 93 : 107
- ‘choice tree’ (*varadāru*) unknown. See ? :
- chukar partridge (*cakora*) *Alectoris chukar*.
See Woodcock 1980: 45 :
- cinnamon (*tvac*) *Cinnamomum cassia*,
Blume. See NK: 1, #579 :
- citron (*mātuluṅga*) *Citrus medica*, Linn.
GVDB: 276, 306. Also spelled
mātuliṅga, *mātulaṅga*, *mātulāṅga* : 63, 82,
87, 88
- cluster fig (*udumbara*) *Ficus racemosa*, L.
See ADPS: 487 :
- cobra’s saffron (*nāgapuṣpa*) → *nāgakeśara*.
Mesua ferrea, L. See NK: 1, #1595,
GVDB: 220 : 122
- common crane (*krauñca*) *Grus grus*. See
Woodcock 1980: 47 :
- common mallow (*suvarcalā*) perhaps
Malva sylvestris, L. A difficult plant to
identify, see T. B. Singh and Chuneekar
(GVDB: 280, 440–441) :
- common mallow (*sūryāvarta*) *Malva*
sylvestris, L. Cakrapāṇidatta and
Ḍalhaṇa identify it with *suvarcalā*, itself
a difficult plant to identify. Perhaps
Helianthus, see T. B. Singh and
Chuneekar (GVDB: 280) :
- corky coral tree (*pāribhadra*) *Erythrina*
suberosa Roxb. See GVDB 245 : 126
- costus (*kuṣṭha*) *Saussurea costus*, Clarke.
See NK: 1, #2239 : 76, 82, 104, 122, 127
- cottony jujube (*kākolī*) *Ziziphus*
mauritanica, Lam. See IGP: 1233,
NK: 1, #2663; IGP 1233. Cf. NK: 1,
#1170 : 75, 81, 82
- country mallow (*atibalā*) *Abutilon*
indicum, (L.) Sweet, but may be other
kinds of mallow, e.g., *Sida rhombifolia*,
L.. See NK: 1, #11, IGP: 1080, NK: 1,
#2300, ADPS: 71, 77 : 43, 81, 84, 166
- country sarsaparilla (*anantā*) *Hemidesmus*
indicus, (L.) R. Br. See ADPS: 434,
AVS: 3, 141–5, NK: 1, #1210. But see
GVDB: 13 for complications that may
suggest that it is to be equated with
sārivā, which may sometimes be
Cryptolepis or *Ichnocarpus frutescens*
R. Rr. (GVDB: 429–431) : 43, 111, 121,
122, 126
- crape jasmine (*nata*) → crape jasmine
GVDB: 215 : 213, 215
- crape jasmine (*tagara*) *Tabernaemontana*
divaricata (L.) R.Br. ex Roem. &
Schultes. See GJM1: 557, AVS: 5, 232.
Synonym of crape jasmine. But some
say *Valeriana jatamansi*, Jones See
GVDB: 173–174 for discussion (and
charming comments on brain liquid
testing). Some say *tagara* is Indian
rose-bay or Indian valerian, but there
remain many historical questions about
the ancient and regional identities of
this plant See, e.g., AVS: 5, 334 : 76, 82,
104, 122, 213, 215
- crimson trumpet-flower tree (*pāṭalā*)
Stereospermum chelonides, (L. f.) A.
DC. See GJM1: 573, AVS: 5, 192 ff,
ADPS: 362 f, AVS: 3, 1848 f, IGP 1120,
Dymock: 3, 20 ff : 126
- cucumber (*trapusa*) *Cucumis sativus*, L.
See AVS: 2, 231, NK: 1, #731 :
- cuscut grass (*uśīra*) *Andropogon*
murcatus, Retz. Also “vetiver grass.”
See NK: 1, #180 : 104
- ‘dangling’ (*lambā*) unknown. See ? :
- datura (*dhattūra*) *Datura metel*, L. See
AVS: 2, 305 (cf. *Abhidhānamāñjarī*),
NK: 1, #796 ff. Potter_{rev}: 292 f,
ADPS: 132 : 40
- deodar (*bhadradāru*) *Cedrus deodara*,
(Roxb.ex D.Don) G. Don. See AVS 41,
NK: 1, #516 : 34, 80, 85, 122
- deodar (*devadāru*) *Cedrus deodara* (Roxb.)
Loud. GVDB: 206–207 : 63, 82, 166
- dhaman tree (*dhanvaṅga*) → dhammaṇa?
Grewia tiliaefolia, Vahl. See
AVS: 3, 104, IK, AVS: 1, 386, IGP 529

- (tiliifolia) :
 dried ginger (*śuṇṭhī*) *Zingiber officinale*, Roscoe. See [ADPS](#): 50, [NK](#): 1, #2658, [AVS](#): 5, 435, [IGP](#): 1232: 80
 dried meat (*vallūra*) [MW](#): 929, [Mahākośa](#): 1, 730. The term is used, rarely, in both the CS (1.5.10) and SS (1.13. 16, 6.42.75–76). It is a Dravidian loanword and occurs in the *Arthaśāstra* etc. ([KEWA](#): 3, 167): 25
 drum-giver (?) (*lambaradā*) Unknown; cf. [GVDB](#): 348: 111
 elixir salve (*rasāñjana*) → *añjana*. See [Indian barberry](#): 34, 44
 embelia (*viḍaṅga*) *Embelia ribes*, Burm. f. See [ADPS](#): 507, [AVS](#): 2, 368, [NK](#): 1, #929, [Potter_{rev}](#): 113: 34, 76, 122
 emblic (*āmālaka*) *Phyllanthus emblica*, L. See [AVS](#): 4, 256: 83, 84
 emetic nut (*karaghāṭa*) Probably a synonym for *karahāṭa* ([emetic nut](#)), q.v., [GVDB](#): 74: 214
 emetic nut (*karahāṭa*) *Randia dumetorum*, Lamk. See [GVDB](#): 291–292 and [NK](#): 1, #2091. T. B. Singh and Chuneekar ([GVDB](#): 74, 77–78) noted that it may be a synonym for *karaghāṭa*, [emetic nut](#), and pointed rather to *Gardenia turgida* Roxb. on the basis of local knowledge in U. P.: 214, 217
 emetic nut (*madana*) *Randia dumetorum*, Lamk. See [NK](#): 1, #2091: 102, 168
 false daisy (*subhaṅgurā*) (*su*)bhaṅgura = *bhr̥ṅga*? *Eclipta prostrata* (L.) L. See [GVDB](#): 288: 110
 fermented rice-water (*dhānyāmla*) → *kāñjī*, *kāñjikā*, *sauvīra*. [GVDB](#): 458, [NK](#): 2, appendix VI, #18: 41, 42
 fern (*ajaruhā*) *Nephrodium* species [GVDB](#): 7, uncertain. Perhaps *Christella dentata* (Forssk.) Brownsey & Jermy, which is reported to have folk applications against skin diseases in India: 106
 fire-flame bush (*dhātakī*) *Woodfordia fruticosa* (L.) Kurz. See [AVS](#): 5, 412, [NK](#): 1, #2626: 103
 five-leaved chaste tree (*śephālikā*) *Vitex negundo*, L. See [NK](#): 1, #2603 (cf. use of leaves), [IGP](#): 1210a, [MW](#): 1088b:
 flax (*atasī*) *Linum usitatissimum*, L. See [NK](#)#1495: 81
 ‘foam-stone’ (*phenāśma*) unknown. See ?:
 fragrant lotus (*saugandhika*) A type of *kumuda* or *utpala* ([GVDB](#): 457): 25
 galangal (*galanṅala*) *Alpinia galanga* (L.) Sw. Identified with [grey orchid](#) in Kerala ([ADPS](#): 398). The name is borrowed from Chinese, perhaps via Persian or Arabic ([Peter](#): 2, 304), and the name does not occur in early āyurvedic literature ([GVDB](#)): 215
 galls (*karkaṭa*) *Rhus succedanea*, L. See [NK](#): 1, #2136:
 garden pea (*kalāya*) *Pisum sativum*, L. See [AVS](#): 4, 308, [IGP](#) 901; cf. [NK](#): 1, #1940:
 garjan oil tree (*aśvakarṇa*) *Dipterocarpus turbinatus* Gaertn. f. See [GVDB](#): 28, [Chopra](#): 100: 126
 ‘gentle’ (*somā*) *Ruta graveolens*, L., or *Sarcostemma brevistigma*, W & A, etc. See [NK](#): 1, #2179, 2228; [Potter_{rev}](#): 262:
 giant potato (*kṣīravidārī*) possibly → *kṣīraśukla*. *Ipomoea mauritiana*, Jacq. See [ADPS](#): 510, [AVS](#): 3, 222, [AVS](#): 3, 1717 ff: 81, 216, 218, 220
 ginger (*mahaśadha*) *Zingiber officinale*, Roscoe. See [ADPS](#): 50, [NK](#): 1, #2658, [IGP](#): 1232: 107
 ‘gladdener’ (*nandana*) unknown. See ?:
 gold (*hema*) gold: 122
 gold and sarsaparilla (*surendragopa*) Unknown. Ḍalhaṇa on 5.3.15 ([Su](#) 1938: 568) glossed *surendra* as “gold” and *gopā* as “[Indian sarsaparilla](#).” He also noted other opinions that *surendra* was “[Tellicherry bark](#)”: 126
 golden shower tree (*rājadruma*) *rājadruma* = *āragvadha*. *Cassia fistula* L. See

- GVDB 37 : 126
golden shower tree (*āragvadha*) Cassia fistula L. See GVDB 37 : 83
gourd (*alābu*) Lagenaria siceraria Standl. GVDB: 25. Some say Lagenaria vulgaris, Seringe (NK: 1, #1419) but this is not appropriate for blood-letting : 21, 22, 103
green gram (*māṣa*) Vigna radiata (L.) R. Wilcz. See ADPS: 296, IGP 1204 : 34, 81, 167
grey orchid (*rāsnā*) Vanda tessellata (Roxb.) Hook. ex G.Don, usually. But Pluchea lanceolata, Oliver & Hiern, is a more common identification in Punjab and Gujarat (GVDB: 337–338); Alpinia galanga (L.) Sw. is more common in Kerala (ADPS: 398; Peter: 2, 303–318), though this is usually identified with galangal. As all authorities note, the identification of this plant is debated. Sivarajan and Balachandran (ADPS: 398–401) note that sources describe it as having leaves like cardamom and sweet-smelling roots and that “there is great confusion with regard to the identity of the drug.” : 63, 80, 82
‘gutboiler’ (*antrapācaka*) unknown. See ? :
hare foot uraria (*prśniparṇī*) → sahā? Uraria lagopoides, DC. See GJM1: 577, Dymock: 1, 426, AVS: 1, 750 ff, NK: 1, #2542; ADPS: 382, AVS: 2, 319 and AVS: 4, 366 are confusing : 80, 81
heart-leaf sida (*balā*) Sida cordifolia, Linn. See ADPS: 71, NK: 1, #2297 : 43, 81, 84, 86, 122, 166
heart-leaved moonseed (*amṛtavalli*) See heart-leaved moonseed (*amṛtā*) : 166
heart-leaved moonseed (*amṛtā*) → *guḍūcī*. Tinospora cordifolia, (Willd.) Hook.f. & Thoms.? See ADPS: 38, NK: 1, #2472, 624, Dastur #229 : 104, 120, 215
heart-leaved moonseed (*guḍūcī*) Tinospora cordifolia (Willd.) Miers. GVDB: 141–142, NK: 1, #624, #2472 : 82
heart-leaved moonseed (*somavallī*) Tinospora cordifolia (Thunb.) Miers. GVDB: 456. Likely, but uncertain : 104
heliotrope (*hastīśuṇḍa*) → *ibhagandhā*? Heliotropium indicum, L. See AVS: 3, 136, NK: 1, #1203 :
henna (*madayantikā*) Lawsonia inermis, L. See AVS: 3, 303, NK: 1, #1448, Potter_{rev}: 151 : 105
hill myna (*sārikā*) Acridotheres tristis tristis, L., etc. See Ali #1006, Dave (1985: 28 ff.), Woodcock (1980: 119) :
Himalayan mayapple (*vakra*) Podophyllum emodi, Wall. (NK: #1971). But perhaps a synonym of crape jasmine and crape jasmine (GVDB: 354) : 127
Himalayan monkshood (*ativiṣā*) → *viṣā* Aconitum heterophyllum Wall. GVDB: 12, NK: 1, #39. Also “atis roots” : 73, 105, 107, 127
Himalayan monkshood (*viṣā*) → *ativiṣā* GVDB: 12, 373 : 219
hogweed (*punarnavā*) Boerhaavia diffusa, L. See ADPS: 387, AVS: 1, 281, NK: 1, #363 : 83, 105, 121
Holostemma creeper (*jīvantī*) → *sūryavallī*? Holostemma ada-kodien, Schultes. See ADPS: 195, AVS: 3, 167, 169, NK: 1, #1242 : 84, 219
honey (*kṣaudra*) Eight varieties of honey are described in the SS (NK: 2, Appendix 192). *Kṣaudra* is the product of a small bee of tawny colour, called *kṣudra* : 89, 107
horned pondweed (*śaivāla*) also *śaivāla*, *śevāra*. Zannichellia palustris L. The uncertainties of this identification are discussed by T. B. Singh and Chuneekar (GVDB: 409). Sometimes identified with scutch grass (*dūrvā*) (GVDB: 409). Identified as Ceratophyllum demersum Linn. (“hornwort”) by AVS: 2, 56–57x : 82, 216, 219
hornwort (*jalanīlikā*) Ceratophyllum

- demersum, L. See [AVS](#): 2, 56, [IGP](#) 232 :
hornwort (*jalaśūka*) → *jalanīlikā*.
Ceratophyllum demersum, L. See
[AVS](#): 2, 56, [IGP](#): 232. T. B. Singh and
Chunekar ([GVDB](#): 166) suggest [horned
pondweed](#). Ḍalhaṇa noted on 1.16.19
([Su](#) 1938: 79) that some people
interpret it as a poisonous, hairy,
air-breathing, underwater creature : [43](#)
horseradish tree (*śigru*) Moringa oleifera
Lam. See [IGP](#) 759, [GJM1](#): 603,
[Dymock](#): 1, 396 : [82](#), [83](#)
hyacinth bean (*śimbī*) Dolichos lablab, L.
See [NK](#): 1, #870 :
Indian antelope (*eṇa*) Antelope cervicapra,
L. See [BIA](#): 70 :
Indian barberry (*añjana*) → *rasāñjana*,
dāruharidrā. Berberis aristata, DC.
[Dymock](#): 1, 65, [NK](#): 1, #335, [GJM1](#): 562,
[IGP](#): 141 : [44](#), [106](#), [214](#)
Indian barberry (*dāruharidrā*) Berberis
aristata, DC. See [Dymock](#): 1, 65, [NK](#): 1,
#685, [GJM1](#): 562, [IGP](#) 141 : [121](#), [122](#)
Indian barberry (*kālīyaka*) → *dāruharidrā*,
añjana. Berberis aristata, DC. See
[Dymock](#): 1, 65, [NK](#): 1, #685, [GJM1](#): 562,
[IGP](#): 141 : [104](#)
Indian beech (*naktamāla*) Pongamia
pinnata, (L.) Pierre. See [AVS](#): 4, 339,
[NK](#): 1, #2003 : [34](#), [78](#)
Indian ipecac (*payasyā*) Uncertain.
Possibly Tylophora indica (Burm.f.)
Merr. Perhaps a synonym of [panacea
twiner](#), [giant potato](#), [purple roscoe](#),
and [plants like asthma plant and Gulf
sandmat](#) ([GVDB](#): 237–238). Also
“curds” when not a plant : [43](#), [82](#), [218](#)
Indian kudzu (*vidārī*) → *payasyā*. Pueraria
tuberosa (Willd.) DC. See [ADPS](#): 510,
[AVS](#): 1, 792 f, [AVS](#): 4, 391; not
[Dymock](#): 1, 424 f. See [GJM2](#): 444, 451,
[AVS](#): 1, 187, but [AVS](#): 3, 1719 = Ipomoea
mauritiana, Jacq : [43](#), [63](#)
Indian laburnum (*śampāka*) Cassia fistula,
L. See [ADPS](#): 48, [AVS](#): 2, 11 ff,
[AVS](#): 2, 854, [IGP](#) 215 :
Indian laurel (*plakṣa*) Ficus microcarpa, L.
f. See [ADPS](#): 377 :
Indian madder (*mañjiṣṭhā*) Rubia
cordifolia, L. See [IGP](#), [Chopra](#): 215,
[GVDB](#): 289 : [39](#), [122](#)
Indian mottled eel (*varmimatsya*) Almost
certainly the mottled eel. [MW](#): 962c
noted that the *varmi* fish “is commonly
called *vāmi*.” The “vam fish,” or “বান
মাছ (*bān māch*)” in Bengal, is a marine
and freshwater eel, *Anguilla bengalensis*.
It is the most common eel in Indian
inland waters and a prized food fish
([Froese and Pauly](#) 2022). However,
some NIA languages identify the
“vam” fish with the Indian Pike
Conger, *Congresox talabonides* (Bleeker)
([Talwar and Kacker](#) 1984: 235, 236) : [23](#)
Indian mustard (*sarṣapa*) Brassica juncea,
Czern. & Coss. See [AVS](#): 1, 301, [NK](#): 1,
#378 : [26](#)
Indian pennywort (*maṇḍūkapaṇṇī*) Centella
asiatica (L.) Urban. See [GVDB](#): 290,
[ADPS](#): 289–291 :
Indian sarsaparilla (*sārivā*) → *anantā*.
Hemidesmus indicus, (L.) R. Br.
[ADPS](#): 434, [AVS](#): 3, 141–5, [NK](#): 1, #1210;
and black creeper, *pālindī*. Ichnocarpus
frutescens, (L.) R.Br. or Cryptolepis
buchanani, Roemer & Schultes
[AVS](#): 3, 141, 3.145, 3.203, [NK](#): 1, #1283,
1210, [ADPS](#): 434 : [121](#), [122](#), [214](#)
Indian snakeroot (*sarpagandhā*) Rauvolfia
serpentina, (L.) Benth. ex Kurz. See
[NK](#): 1, #2099, [ADPS](#): 439, [GVDB](#): 425;
cf. [SS](#) 5.5.76–78 :
Indian spinach (*pūtīkā*) Basella alba, L. See
[NK](#): 1, #318 (*rubra*), [ADPS](#): 489,
[AVS](#): 1, 253, [IGP](#) 129b :
indigo (*nīlinī*) Indigofera tinctoria, L. See
[NK](#): 1, #1309 :
Indrajao (*vṛkṣaka*) → *indrayava*, *indrabīja*,
kaliṅga, and *kuṭaja*. Holarrhena
antidysenterica Wall. [GVDB](#): 376, 45

- and 84: 166
- jackfruit (*panasa*) Artocarpus heterophyllus, Lam. See NK: 1, #249, IGP 99:
- jambul (*jambū*) Syzygium cumini, (L.) Skeels. See ADPS: 188, NK: 1, #967, Potter_{rev}: 168, Wujastyk 2003a: 103
- jasmine (*mālātī*) Jasminium grandiflorum, L. See NK: 1, #1364: 104
- jequirity (*guñjā*) Abrus precatorius, L. See AVS: 1, 10, NK: 1, #6, Potter_{rev}: 168: 110, 111
- jequirity (*kālakūṭa*) Abrus precatorius, L.? Cf. RRS 21.14. See AVS: 1, 10, NK: 1, #6, Potter_{rev}: 168:
- 'juice-cooker' (*sārapāka*) unknown. See ? : (?) (*karaṭā*) Not in GVDB. Cf. perhaps *karahāṭa* (emetic nut): 111
- khesari pea (*tripuṭa*) *tripuṭa* (kalāya). Lathyrus sativus, L. See IGP 651, NK: 1, #1439:
- koel (*kokila*) Eudynamys scolopacea. See Woodcock 1980: 66:
- kumudvatī (*kumudvatī*) unknown. See ? :
- lac (*jatu*) Kerria lacca (Kerr.). See <http://www.icar.org.in/ilri/default.htm>:
- lac (*lākṣā*) Kerria lacca (Kerr.). See GJM1: 445, NK: 2, #32. Watt (Watt_{Comm}: 1053–1066) is characteristically informative, and is definite about the antiquity of lac in India: 127
- lāmajja grass (*lāmajj*) Andropogon iwarancusa, Roxb. See NK: 1, #176:
- lāmajja grass (*uśīrabheda*) → *lāmajja*. Andropogon iwarancusa, Roxb. See NK: 1, #176:
- leadwort (*agnīśikhā*) Plumbago zeylanica (or rosea?), L. See NK: 1, #1966, 1967: 217
- leadwort (*citraka*) Plumbago zeylanica (or indica?), L. See RĀ. 6.124, ADPS: 119, NK: 1, #1966, 1967: 34, 73, 78, 88
- leadwort (*pālaka*) → *citraka*. Plumbago zeylanica (indica? rosea?), L. See Rā. 6.124, ADPS: 1, 119, NK: 1, #1966, 1967: leadwort (*vidyutśikhā*) Synonym of *agnīśikhā* (leadwort), q.v.:
- liquorice (?) (*klītaka*) Glycyrrhiza glabra, L.? GVDB: 123–124 discuss the many difficulties in identifying this plant: 110
- liquorice (*madhuka*) see *yaṣṭīmadhuka*: 43, 80–85, 87, 107, 120, 122
- liquorice (*yaṣṭīmadhuka*) Glycyrrhiza glabra, L. AVS: 3, 84, NK: 1, #1136, GVDB: 329 f.: 44
- 'little bamboo' (*veṇukā*) Bambusa bambos, Druce?. See NK: 1, #307:
- lodh tree (*lodhra*) Symplocos racemosa, Roxb. See GJM1: 597, ADPS: 279 f, NK: 1, #2420. T. B. Singh and Chunekar (GVDB: 351–352) notes that there are two varieties, *S. racemosa*, qualified as *śāvāra*, and *S. crataegoides* Buch.-Ham. for *pattikā lodhra*: 34, 122
- lodh tree (*rodhra*) Symplocos racemosa, Roxb. See ADPS: 279, NK: 1, #2420:
- lodh tree (*śāvāra*) → *lodhra*. Symplocos racemosa, Roxb. See ADPS: 279, NK: 1, #2420:
- long pepper (*māgadha*) Piper longum, L. See NK: 1, #1928; but cf. AVS: 3, 245: 106
- long pepper (*pippalī*) Piper longum, L. See ADPS: 374, NK: 1, #1928: 78, 83, 87–89, 107, 122, 166
- lotus stalk (*mṛṇāla*) "Leaf stalk of sacred lotus" GVDB: 318: 82
- luffa (*garāgarī*) → gargaraka? Luffa echinata, Roxb. See NK: 1, #1517:
- luffa (*koṣātaka*) = *koṣītakī*, luffa:
- luffa (*koṣātakya*) Luffa cylindrica, (L.) M. J. Roem. or L. acutangula, (L.) Roxb. See ADPS: 252, NK: 1, #1514 etc:
- luffa (*koṣītakī*) = *koṣātakī*. Luffa cylindrica, (L.) M. J. Roem. or L. acutangula, (L.) Roxb. ADPS: 252–253, NK: 1, #1514 etc. GVDB: 121: 103, 120, 217
- luffa gourd (*kośavatī*) = *koṣītakī*, luffa: 120
- mahua (*madhūka*) Madhuca longifolia,

- (Koenig) Macbride. See [AVS](#): 3, 362 f: 63
- maidenhair fern (*haṃsāhvayā*) *Adiantum lunulatum* Burm f. [GVDB](#): 463: 166
- mango (*āmra*) *Mangifera indica* Linn. [GVDB](#): 37: 103
- marking-nut tree (*aruṣkara*) *Semecarpus anacardium* L. See *bhallātaka* (marking-nut tree): 111
- marking-nut tree (*bhallātaka*) *Semecarpus anacardium*, L. See [NK](#): 1, #2269, [AVS](#): 5, 98: 78, 106, 218
- medhshingi (*vijayā*2) *Dolichandrone falcata* (DC.) The *Sauśrutaniḥaṇṭu* gives a number of synonyms for *vijayā* (Suvedī and Tivārī 2000: 5.77, 10.143). But one of them, *viśāṇī* (also *meśaśṛṅgī*), is sometimes equated with *Dolichandrone falcata* (DC.) Seemann ([ADPS](#): 518; [GVDB](#): 373 f, a plant used as an abortifacient and fish poison ([NK](#): #862): 111
- Midday flower (*bandhūka*) *Pentapetes phoenicea*, L. See [NK](#): 1, #1836, [GVDB](#): 268:
- migraine tree (*agnimantha*) *Premna corymbosa*, Rottl. See [AVS](#) 1927, [ADPS](#): 21, [NK](#): 1, #2025, [AVS](#): 4, 348; [GJM1](#): 523: = *P. integrifolia/serratifolia*, L.: 120
- milk-white (*kṣīraśuklā*) An unidentified plant. [GVDB](#): 126: see [purple roscoea](#) and [giant potato](#): 43, 220
- mongoose (*nakula*) *nakula*. *Urva edwardsii* or the often sympatric *U. auropunctatus* (small Indian mongoose, usually an eater of smaller creatures than snakes) ([BIA](#): ch. 5), On mongooses and snakes, see [BIA](#): 98–99; [IW](#): 112: 107
- monitor lizard (*godhā*) *Varanus bengalensis*, Schneider. See [Reptiles](#): 58: 43, 107
- monkey jack (*lakuca*) *Artocarpus lakoocha*, Roxb. ex Buch.-Ham. See [GJM1](#): 597, [IGP](#) 99, [IPM](#) 3.2338f., pace [AVS](#): 1, 215: ‘muddy’ (*kardama*) unknown. See ?:
- mung beans (*mudga*) *Phaseolus radiatus* L. [GVDB](#): 310–311: 81, 84, 156
- mung beans (*māṣaka*) *Phaseolus mungo* Linn. [GVDB](#): 308: 104
- munj grass (*nārācaka*) *Saccharum bengalense*, Retz.?. See [NK](#): 1, #2184:
- myrobalan (*abhayā*) *Terminalia chebula*, Retz. See [ADPS](#): 172, [NK](#): 1, #2451, [Potter_{rev}](#): 214: 73, 120, 127
- myrobalans (*pathiyā*) *Terminalia chebula* Retz. See [NK](#): 1, #2451:
- natron (*suvarcikā*) Sodium carbonate. [NK](#): 2, #45. Ḍalhaṇa identifies *suvarcikā* with svarjikṣāra 4.8.50 ([Su](#) 1938: 441): 88, 122
- neem tree (*nimba*) *Azadirachta indica* A. Juss. [GVDB](#): 226: 40, 166
- nutgrass (*kuruvinḍa*) Unknown. Ḍalhaṇa on 5.3.15 ([Su](#) 1938: 568) glossed the term as [nutgrass](#), but noted other opinions that it was a whetstone or a very special metallic gem. T. B. Singh and Chuneekar ([GVDB](#): 108) added that it could be a variety of rice, *ṣaṣṭika dhānya*: 126
- nutgrass (*mustaka*) *Cyperus rotundus*, L. See [ADPS](#): 316, [AVS](#): 2, 296, [NK](#): 1, #782:
- nutgrass (*mustā*) *Cyperus rotundus*, L. See [ADPS](#): 316, [AVS](#): 2, 296, [NK](#): 1, #782: 218
- oleander spurge (*snuhī*) *Euphorbia neriifolia*, L., or *E. antiquorum*, L. See [ADPS](#): 448, [AVS](#): 2, 388, [AVS](#): 3, 1, [NK](#): 1, #988, [IGP](#) 457b:
- orpiment (*haritāla*) *Arsenii trisulphidum*. See [NK](#) v. 2, p. 20 ff:
- panacea twiner (*arkaparṇī*) See *arkapuṣpī*, [panacea twiner](#):
- panacea twiner (*arkapuṣpī*) → *arkaparṇī*, *Tylophora indica* (Burm. f.) Merr. [GVDB](#): 23–24. Maybe identical to [Indian ipecac](#), [giant potato](#) and similar

- sweet, milky plants. See [GVDB](#): 24, 127, 238, 441, 443 for discussion. For discussion in the context of [Holostemma creeper](#), see [ADPS](#): 195 and [AVS](#): 3, 171. The etymology of the name suggests *Helianthus annuus* Linn., but this plant is native to the Americas: [121](#), [216](#), [218](#)
- parakeet (*śuka*) *Psittacula krameri/eupatria/cyanocephala*. See [Woodcock](#) [1980](#): 64:
- peacock (*mayūra*) *Pavo cristatus*. See [Woodcock](#) [1980](#): 39:
- peas (*hareṇu*) *hareṇu* = *satīna*. *Pisum sativum*, L. T. B. Singh and Chuneekar ([GVDB](#): 419–420, 467–468) notes that two plants are usually meant under this name, but there is no agreement on the identity of the second: [82](#), [121](#), [122](#), [127](#)
- peepul tree (*aśvattha*) *Ficus religiosa*, L. See [ADPS](#): 63: [129](#)
- periploca of the woods (*meṣaśṛṅga*) *Gymnema sylvestre* (Retz.) R. Br. See [AVS](#): 3, 107, [NK](#): 1, #1173: [106](#)
- pheasant peacock (*jīvajīvaka*) *jīvajīvaka* ?. See ?:
- plants like asthma plant and Gulf sandmat (*kṣīrīṇī*) various milky plants, perhaps including *Euphorbia hirta* Linn. (asthma plant) and *E. microphylla* Heyne (Gulf sandmat) ([GVDB](#): 127): [216](#)
- plumed cockscomb (*indīvara*) Uncertain; possibly *Celosia argentea* Linn. But see the useful discussion in [GVDB](#): 44–45. Possibly another name for [thorn apple](#) (*karambha*), q.v.: [221](#)
- pointed gourd (*paṭola*) *Trichosanthes dioica*, Roxb. [GVDB](#): 232–233: [82](#), [120](#)
- poison berry (*br̥hatī*) *Solanum violaceum*, Ortega. See [ADPS](#): 100, [NK](#): 1, #2329, [AVS](#): 5, 151: [78](#), [83](#), [121](#), [122](#)
- poison-altar (?) (*viṣavedikā*) Unknown. Possibly, at a guess, *viṣamuṣṭika* ([strychnine tree](#))? [GVDB](#): 373 Or *viṣā* ([Himalayan monkshood](#)): [111](#)
- pomegranate (*dāḍīma*) *Punica granatum* Linn. [GVDB](#): 201–202: [63](#), [87](#), [88](#)
- pondweed (*paripelavā*) Normally a neuter noun. T. B. Singh and Chuneekar ([GVDB](#): 238, 264–265, 409) argued that *plava* and *śaivāla* are the same thing, and may be either *Zannichellia palustris*, L., or *Potamogeton pectinatus*, L.: [122](#)
- pondweed (*śevāla*) *Zannichellia palustris* L. See [horned pondweed](#): [25](#)
- portia tree (*pārīṣa*) *Thespesia populnea* (L.) Sol. ex. Corr. See [ADPS](#): 352:
- prickly chaff-flower (*apāmārga*) *Achyranthes aspera*, L. See [GJM1](#): 524 f, [AVS](#): 1, 39, [ADPS](#): 44 f, [AVS](#): 3, 2066 f, [Dymock](#): 3, 135: [39](#), [43](#), [81](#), [219](#)
- prickly chaff-flower (*vaśira*) also *vaśīra*. Perhaps *Achyranthes aspera*, L. [GVDB](#): 362 describes several possible identities, including *sūryāvarta*, [prickly chaff-flower](#) and *markaṭaṭṛṇa*. See also *vasukavasira* ([GVDB](#): 363): [219](#)
- prickly chaff-flower (*vaśira*) See [prickly chaff-flower](#):
- prickly-leaved elephant's foot (*gojihvā*) → *gojī*. *Elephantopus scaber*, L. See [AVS](#): 2, 357:
- purging nut (*dravantī*) → *mūṣikaparnī*. *Jatropha curcas*, L. See [AVS](#): 3, 261, [NK](#): 1, #1374:
- purging nut (*mūṣikā*) *Jatropha curcas*, L. See [AVS](#): 3, 261, [NK](#): 1, #1374: [106](#)
- purple calotropis (*arka*) *Calotropis gigantea*, (L.) R. Br. See [ADPS](#): 52, [AVS](#): 1, 341, [NK](#): 1, #427, [Potter_{rev}](#): 57, [Chopra IDG](#): 305–308: [34](#), [43](#), [78](#)
- purple calotropis (*khadyotaka*) → *arka*? *Calotropis gigantea*, (L.) R. Br. See [ADPS](#): 52, [AVS](#): 1, 341, [NK](#): 1, #427, [Potter_{rev}](#): 63:
- purple roscoeia (*kṣīrakākolī*) [GVDB](#): 89 notes that many physicians use *Roscoeia procera* Wall. in this context. But the identification is uncertain. Possibly

- connected to [milk-white](#) or [giant potato](#) : [81](#), [216](#), [218](#)
- racket-tailed drongo (*bhṛṅgarāja*) *Dicrurus paradiseus*. See [Woodcock 1980: 123](#) :
- radish (*mūlaka*) *Raphanus sativus*, L. See [NK](#): 1, #2098 : [85](#), [86](#)
- rajmahal hemp (*morāṭa*) → *mūrvī*, *Marsdenia tenacissima* (Roxb.) Wight et Arn. Good discussion at [GVDB](#): 314–316, 324 : [120](#)
- rajmahal hemp (*mūrvī*) → *morāṭa*, *Marsdenia tenacissima* (Roxb.) Wight et Arn. Good discussion at [GVDB](#): 314–316, 324 :
- rattan (*vetra*) *Calamus rotang*, L. See [AVS](#): 1, 330, [NK](#): 1, #413 :
- red chalk (*gairika*) *gairika* : [122](#)
- red gourd (*bimbī*) *Coccinia indica*, W. & A. See [PVS 1994.4.715](#); [NK](#): 1, #534 : [103](#)
- ribbed gourd (*karkoṭaka*) *Luffa acutangula*, (L.) Roxb.? (*Mormodica cochinchinensis*, Spreng.? Cf. *Luffa tuberosa*). See [AVS](#): 3, 347 ([NK](#): 1, #1640 1643; [NK](#): 1, #1520) :
- rice grains (*taṇḍula*) *Oriza sativa*, Linn. Same as [unhusked rice](#) (*śālī*) [GVDB](#): 174; or just "grains" : [26](#)
- rice-grain chaff (*śālitaṇḍulakāṇḍana*) See [chaff](#) : [26](#)
- rock salt (*saindhava*) See [NK](#): 2, M#48, [WattComm](#): 963–971 : [26](#), [63](#), [88](#)
- rosha grass (*dhyāmaka*) *Cymbopogon martinii* (Roxb.) Wats. See [AVS](#): 2, 285, [NK](#): 1, #177 : [122](#)
- sacred grass (*kuśa*) *Desmostachya bipinnata*, Stapf. See [AVS](#): 2, 326, [Kew](#) : [81](#)
- sacred lotus (*kamala*) *Nelumbo nucifera* Gaertn. [GVDB](#): 73–74 : [217](#)
- sacred lotus (*padma*) *Nelumbo nucifera*, Gaertn. See [NK](#): 1, #1698 : [25](#), [82](#), [104](#)
- sacred lotus (*prapuṇḍarīka*) *Nelumbo nucifera*, Gaertn. See [Dutt 110](#), [NK](#): 1, #1698 :
- sage-leaved alangium (*aṅikolla*) *Alangium salvifolium* (Linn. f.) Wang. [GVDB](#): 5–6 : [103](#)
- sage-leaved alangium (*aṅikoṭa*) *Alangium salvifolium*, (L. f.) Wang. See [AVS](#): 1, 77; cf. [NK](#): 1, #88 :
- sal tree (*śāla*) *Shorea robusta*, Gaertn.f. See [AVS](#): 5, 124 :
- sandalwood (*candana*) *Santalum album*, L. See [ADPS](#): 111, [NK](#): 1, #2217 : [82](#), [84](#), [122](#)
- sappan wood (*pataṅga*) *Caesalpinia sappan*, L. See [AVS](#): 1, 323, [AVS](#): 2, 847 f :
- sappanwood (*pattāṅga*) Also *pattāṅga*. *Caesalpinia sappan*, L. [AVS](#): 1, 323, [K&B](#): 2, 847 f, [GVDB](#): 234 : [44](#)
- scaly, red-streaked fish (*cilicima*) An unidentified fish that is absolutely not to be eaten with milk. Described in *Bhela* (1.12.7), *Caraka* (1.26.83) and *Suśruta* (1.20.8, 13). Circular, red streaks, round eyes and prominent scales, and "normally goes on land." :
- scarlet mallow (*bandhujīva*) *Pentapetes phoenicea*, L. [NK](#): #1836, [GVDB](#): 268 : [105](#)
- scented pavonia (*bālaka*) *Pavonia odorata*, Willd. See [ADPS](#): 498, [NK](#): 1, #1822 : [122](#)
- scented pavonia (*toya*) → *bālaka*? *Pavonia odorata*, Willd. [ADPS](#): 498, [NK](#): 1, #1822 :
- scutch grass (*dūrvā*) *Cynodon dactylon* (Linn.) Pers. ([GVDB](#): 205) : [215](#)
- selu plum (*śelu*) *Cordia myxa*, L. non Forssk. See [GJM1](#): 529 (2), [IGP](#): 291b, cf. [AVS](#): 3, 1677 f; cf. [AVS](#): 2, 180 (C. *dichotoma*, Forst.f.), [NK](#): 1, #672 (C. *latifolia*, Roxb.) : [83](#), [120](#)
- sesame (*tila*) *Sesamum indicum* L. [GVDB](#): 183 :
- sesame oil (*taila*) *Sesamum indicum* L. [GVDB](#): 183 : [43](#)
- sheep (*urabhra*) *Ovis orientalis*, Gmelin?. See [BIA 249](#) :
- silk-cotton tree (*śālmālī*) *Bombax*

- malabarica. See [Issar](#): 152 :
 siris (*śirīṣa*) Albizia lebbeck, Benth. See [AVS](#): 1, 81, [NK](#): 1, #91 : 120
 siris seeds (*śirīṣamāṣaka*) Albizia lebbeck, Benth. See [AVS](#): 1, 81, [NK](#): 1, #91 : 103
 small-flowered crape myrtle (*sidhraka*) Lagerstroemia parviflora Roxb. See [GVDB](#): 432 : 126
 'snake mallow' (*mahābalā*) → sahadēvā. Sida spinosa, L. See [NK](#): 1, #2301, [ADPS](#): 74, Index Kewensis :
 'snake-killer' (*sarpaghātī*) unknown. See ? :
 snakeroot (*sugandhā*) → *sarpagandhā* Rauvolfia serpentina Benth. ex. Kurz. See *sarpagandhā*. But may be Aristolochia indica Linn. Has been identified with *nākulī*, or *gandhanākulī*. See ([GVDB](#): 219, 436) : 110
 soda crystals (*suvarjikā*) Sodium carbonate. See [NK](#): 2, #45 :
 spikenard (*jaṭāmāṁsī*) Nardostachys jatamansi DC [GVDB](#): 163, etc :
 spikenard (*māṁsī*) Nardostachys grandiflora, DC. See [NK](#): 1, #1691 : 122
 spikenard (*nalada*) → māṁsī. Nardostachys grandiflora, DC. See [NK](#): 1, #1691 : 101
 spiny bitter cucumber (*karkāruka*) Momordica cochinchinensis (Lour.) Spreng., (Thunb.) Cogn. See [AVS](#): 2, 1135, [IGP](#) 754 (or Beninkasa hispida? [AVS](#): 2, 1127; cf. [AVS](#): 1, 261) :
 strychnine tree (*viṣamuṣṭika*) Strychnos nux vomica Linn. [GVDB](#): 373 : 219
 sugar (*sitā*) Ḍalhaṇa makes this equation at 1.37.25 ([Su](#) 1938: 162) : 122
 sugar (*śarkara*) Saccharum officinarum, Linn. [NK](#): #2182 : 107
 sugar cane (*ikṣu*) Saccharum officinarum, Linn. [NK](#): #2182 : 107
 sunflower (*sūryavallī*) → ādityavallī, sūryamukhī, Helianthus annuus Linn. [GVDB](#): 35, 443 : 120
 swan (*haṁsa*) haṁsa. ?. See ? :
 sweet flag (*vacā*) Acorus calamus Linn. See [GVDB](#): 352–355 : 81, 88
 sweet melon (*ervāruka*) Cucumis melo, L. See [AVS](#): 2, 227; [AVS](#): 2, 1140–3, [IGP](#) 325–6, [NK](#): 1, #729 (C. momordica) :
 sweet plants (*madhuravarga*) The sweet plants are enumerated at *Suśrutasaṁhitā* 1.42.11. See also [GVDB](#): 127 : 43
 sweet-scented oleander (*aśvamāra*) Nerium oleander, L. See [ADPS](#): 223, [NK](#): 1, #1709 :
 sweet-scented oleander (*aśvamāraka*) Nerium oleander, L. See [ADPS](#): 223, [NK](#): 1, #1709 : 110
 teak (*śāka*) Tectona grandis, L.f. See [AVS](#): 5, 245, ([MW](#): 1061) :
 Tellicherry bark (*kuṭaja*) Holarrhena pubescens Wall. ex G.Don, with Wrightia tinctoria and W. arborea considered [GVDB](#): 101–102, [ADPS](#): 267–270 : 78, 214
 thorn apple (*karambha*) Datura metel, L. See [GVDB](#): 76 for useful discussion. Also, [AVS](#): 2, 305 (cf. Abhidhānamañjarī), [NK](#): 1, #796 ff. [Potter](#)_{rev}: 292 f, [ADPS](#): 132. Possibly the same plant as [plumed cockscomb](#) (*indīvara*) ([GVDB](#): 76, 44–45) : 111, 212, 219
 three heating spices (*tryūṣaṇa*) śuṇṭhī (Dried ginger) Zingiber officinale, Roscoe. [ADPS](#): 50, [NK](#): 1, #2658, [AVS](#): 5, 435, [IGP](#) 1232, pippalī (long pepper) Piper longum, L. [ADPS](#): 374, [NK](#): 1, #1928, and marica (black pepper) Piper nigrum, L. [ADPS](#): 294, [NK](#): 1, #1929 : 121
 three-leaved caper (*varuṇa*) Crataeva magna (Lour.) DC. See [AVS](#): 2, 202; cf. [NK](#): 1, #696 : 106
 top layer of fermented liquor (*surāmaṇḍa*) [K&B](#): 2, 502, [NK](#): 2, appendix VI, #49, [McHugh](#) 2021: 39 : 41, 42
 tree cotton (*kārpāsa*) G. arboreum L. [ADPS](#): 231. Pace the identifications of

- T. B. Singh and Chuneekar (GVDB: 92, 247), since *G. barbadense* L. is native to South America and *G. herbaceum* L. which is native to Africa : 40, 222
- tree cotton (*picu*) See **tree cotton** (*kārpāsa*) : 42, 44
- turmeric (*gaurī*) *Curcuma longa*, L. See ADPS: 169, AVS: 2, 259, NK: 1, #750 : 82
- turmeric (*haridrā*) *Curcuma longa* Linn. GVDB: 465 : 83, 121, 127
- turmeric (*rajanī*) *Curcuma longa*, L. ADPS: 169, AVS: 2, 259, NK: 1, #750 : 26, 122
- turpeth (*trivṛt*) → *trvṛtā*. *Operculina turpethum* (Linn.) Silva Manso = *Ipomoea turpethum* R. Br. GVDB: 197 : 76, 107, 168, 212
- two kinds of salt (*vasukavasira*) See the discussion by T. B. Singh and Chuneekar (GVDB: 362–363), who note that when *vasuka* is mentioned together with *vasira*, two varieties of salt are often meant (see *vasukavasirā*) : 63
- unhusked rice (*śālī*) *Oriza sativa*, Linn. GVDB: 395–396 : 26, 220
- various kinds of honey (*madhuvarga*) *Suśrutasaṃhitā*'s eight categories of honey. See *Suśrutasaṃhitā* 1.45.132 and Dutt: 278–279 :
- velvet-leaf (*pāṭhā*) *Cissampelos pariera*, L. See ADPS: 366, NK: 1, #592, GJM1: 573, AVS: 1, 95; cf. AVS: 2, 277 : 34, 73, 88, 120
- velvet-mite (*indragopa*) *Kerria lacca* (Kerr.). Lienhard 1978 : 102
- verbena (*bhāṛṅgī*) → *phañjī*. *Clerodendrum serratum*, L. See AVS: 2, 121, ADPS: 87 :
- verbena (*phañjī*) *Clerodendrum serratum*, L. See AVS: 2, 121, ADPS: 87 : 105
- 'Virāṭa's plant' (*vairāṭaka*) unknown. See ? :
- watered buttermilk (*udaśvit*) MW: 183 : 103
- watermelon (*kālindaka*) *Citrullus lanatus* (Thunb.) Matsum & Nak. See IGP 257, NK: 1, #596, AVS: 2, 1149 :
- weaver's beam tree (*muṣkaka*) *Schrebera swietenoides*, Roxb. See AVS: 5, 88, Lord, NK: 1, #2246 : 78, 126
- 'web-milk' (*jālakṣīri*) unknown. See ? :
- wheat (*godhūma*) *Triticum vulgare*, L. See HK: 744 :
- white babool (*arimeda*) *Acacia leucophloea*, (Roxb.) Willd. See AVS: 1, 23 : 34
- white calotropis (*alarka*) *Calotropis procera*, (Ait.) R. Br. See NK: 1, #428, Chopra: 46b, Chopra IDG: 305–308 : 43
- white clitoria (*Xsitā*) → *śvetā*? *Clitoria ternatea*, L. See AVS: 2, 129, NK: 1, #621 :
- white clitoria (*giryāhvā*) → *śvetā*. *Clitoria ternatea*, L. See AVS: 2, 129, NK: 1, #621 :
- white clitoria (*śvetā*) → *giryāhvā*. *Clitoria ternatea*, L. See AVS: 2, 129, NK: 1, #621 : 104
- white cutch tree (*somavalka*) *Acacia polyacantha*, Willd. See AVS: 1, 30, IGP 7, GJM1: 602, AVS: 2, 935; pace NK: 1, #1038 : 105, 126
- white dammer tree (*sarja*) *Vateria indica*, L. See NK: 1, #2571, AVS: 5, 349 f, AVS: 1, 292 f, Chopra: 253a : 34
- white siris (*kiṇihī*) *Albizia procera*, (Roxb.) Benth. See GVDB 98, NK: 1, #93 : 121
- white teak (*kāśmarī*) → *madhuparnī*. *Gmelina arborea*, Roxb. See GJM1: 543, Trees: 51, ADPS: 240 : 82, 84
- white water-lily (*kumuda*) *Nymphaea alba*, Linn. GVDB: 105 : 25
- wild asparagus (*bahuputrā*) → *nandana*? *Asparagus racemosus*, Willd. See further **wild asparagus** (*śatāvarī*) : 105
- wild asparagus (*śatāvarī*) *Asparagus racemosus*, Willd. See ADPS: 441, AVS: 1, 218, NK: 1, #264, IGP: 103, AVS: 4, 249 ff, Dymock: 3, 482 ff : 80–82, 84, 156, 222
- wild celery (*agnika*) → may be *bhallātaka*, *lāṅgalī*, *ajamodā*, *moraṭa*, or *agnimantha*,

- GVDB: 4. Uncertain : 120
 wild celery (*ajamodā*) *Apium graveolens*,
 L. : 120
 wild chinchona (*kādamba*) *Anthocephalus*
cadamba, Miq. See NK: 1, #204 :
 wild mustard (*saurīyaka*) *Cleome viscosa*,
 L.? (cf. Rā.4.144). See AVS: 2, 116,
 NK: 1, #615 :
 Withania (*aśvagandhā*) *Withania somnifera*
 (L.) Dunal. See AVS: 5, 409 f,
 Dymock: 2, 566 f., Chevallier 150 : 43,
 77, 83
 wolfsbane (*vatsanābha*) *Aconitum*
napellus, L. See AVS: 1, 47, NK: 1, #42,
 Potter_{rev}: 4 f. Or *Aconitum*
chasmanthum Stapf ex Holmes,
 GVDB: 357 : 211
 wood apple (*kapittha*) *Limonia acidissima*,
 L. See AVS: 3, 327, NK: 1, #1021 : 83,
 104, 106
 woodrose (*mūṣikakarṇī*) *Jatopha curcas*, L.
 AVS: 3, 261, NK: 1, #1374. GVDB: 317;
 ADPS: 23–25 discuss this issue well :
 104, 105
 woodworm (*ghuṇa*) See note to
 Atharvaveda 4.16 :
 yellow-berried nightshade (*kṣudrā*)
Solanum virginianum, L. See
 ADPS: 100, NK: 1, #2329, AVS: 5, 164 :
 121, 122

Glossary

ariṣṭā (bandage): 146

bandage (*ariṣṭā*): 146

bandage (*bandha*): 146

bandage (*ariṣṭā*): 146

bandha (bandage): 146

bile-poison (*pittaviṣa*): 146

carmānta (leather): 146

cloth (*plota*): 146

earth (*pāṃśu*): 146

kalpa (procedure): 146

leather (*carmānta*): 146

pāṃśu (earth): 146

pittaviṣa (bile-poison): 146

plota (cloth): 146

poison-stink (*viṣapūtī*): 146

procedure (*kalpa*): 146

viṣapūtī (poison-stink): 146

Todo list

■ Can't be "sedation"	35
■ JG could you provide a standard citation reference for this information?	61
■ find out about uttarabasti	62
■ passage in N	63
■ This is a change we should make in the edition.	73
■ You need not give all the grammatical details about śrotādi. Assume you are talking to knowledgeable Sanskrit scholars.	74
■ Perhaps <i>kalka</i> here could also mean the <i>Terminalia Bellerica</i> (विभीतक).	76
■ Euphorbia Antiquorum (Antique spurge)	78
■ The webpage https://hindi.shabd.in/vairagya-shatakam-bhagacharya-arjun-tiwari/post/117629 says that this verse belongs to the <i>Nītiratna</i> . I could not find this text.	81
■ The provisional edition should be modified accordingly.	83
■ There, Ḍalhaṇa comments that deliberation on <i>avapīḍa</i> had been done earlier when it was mentioned. Find that description to know more details.	85
■ Search for the section where the treatment of <i>ākṣepaka</i> is described.	86
■ Make the first letter of sentence capital.	86
■ ?	92
■ ?	92
■ ?	92
■ (?)	92
■ Cf. Arthaśāstra 1.21.8.	100
■ I'm still unhappy about this verse.	103
■ Mention this in the introduction as an example of the scribe knowing the vulgate.	103
■ fn about sadyas+	103

■ Bear's bile instead of deer's bile.	104
■ punarṇṇavā in the N & K MSS	105
■ śrita for śṛta	105
■ explain more	106
■ Medical difference from Sharma.	106
■ example where the vulgate clarifies that these should be used separately; appears to be a gloss inserted into the vulgate text. . . .	106
■ The two uses of prāpta are hard to translate. prāptāḥ → kṣipram is an example of the vulgate banalizing the Sanskrit text to make sense of a difficult passage.	106
■ √ vyadh not √ vedh (also elsewhere and for the ears), causative optative.	106
■ -> ativiṣa	116
■ Look up the ca. reference.	116
■ Come back to the issue of "kalpa". Look up passages in the Kośa. . . .	123
■ write footnote: don't repeat ativiṣā; vulgate similar to H.	127
■ material corresponds to SS.1.45.205ab, where it describes how alcohol affects the body.	129
■ Or "There are 20 phaṇins and 6 maṇḍalins. The same number are known. There are 13 Rājīmats." Or even, "there are 20 Phaṇins and six of them are Maṇḍalins." Are phaṇins really the same as darvīkaras?	135
■ grammar	136
■ ri- ṛ-?	138
■ varṇa means "colour" elsewhere?	139
■ where is cutting with a knife related to removing bile or phlegm. . . .	152
■ maṣī burned charcoal. Find refs.	152
■ find ref.	157
■ Check out these refs.	158
■ meaning of kalpa	158
■ or a dual?	163
■ Footnote here about who is speaking to whom.	143
■ a kind of asthma?	149
■ Not happy with the last part.	149
■ connecting with the previous pāda?	149
■ (atyartha? excessive?)	150
■ for...dvādaśādhikāḥ? not clear to me, is it dvādaśādhikāḥ?	150
■ (any better medical terms for them?)	150

■ (since the word lagha is not clear to me)	151
■ (Not too happy with it.)	151
■ (not sure about it)	151
■ (Not in vulgate)	151
■ (I am looking for a better translation)	151
■ (I'd need to rework on it).	152
■ (I'd need to rework on it and think about the sequencing of the number).	152
■ (āmadoṣa? Not too sure)	152
■ (2nd hemistich is incomplete)	152
■ (not too sure about the meaning of vyapada)	152
■ not so sure about sodāvarte	152
■ not so sure about it, MW mentions others like Cordia Myxa and Alangium hexapetalum	153
■ not sure about it	153
■ (sāmāhāya- any better word?)	153
■ Not so happy with this translation	154
■ (Not happy with it)	155
■ (the second hemistich is incomplete)	155
■ can śṛta mean here boiled milk? Not happy with the last part . . .	155
■ the rest of the text is unclear to me	155
■ (not so sure about it). [ghṛtābhyaṅgonavasthāsu should it be like ghṛtābhyaṅgo 'navasthāsu?, svedā lepaḥ ghṛtābhyaṅgonavas- thāsu ca yojayet] (Not so happy with the translation)	156
■ See also Ḍalhaṇa at 1.1.1 (Su 1938: 1)	167
■ See chapter 40 of Sūtrasthāna.	168
■ vasā / medas / majjan	168
■ Does bhūtādi a compound or it means ahaṅkāra or ego?	169

