

A Translation of the Nepalese Text of the *Suśrutasamhitā*

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Sūtrasthāna

Nidānasthāna

Śārīrasthāna

Cikitsāsthāna

Kalpasthāna

Uttaratantra

Uttaratantra 65: Rules of Interpretation

Literature

Meulenbeld offered an annotated overview of this chapter and a bibliography of earlier scholarship to 2002.³⁷⁷ Earlier explorations of this topic include Nārāyaṇa 1949; Dasgupta 1952; Oberhammer 1967–68; Muthuswami 1976; Lele 1981; Scharfe 1993; Mejer 2000; A. Singh 2003. Manevskaia (2008) gave examples of the use of *tantrayuktis* in Buddhist commentarial literature.

Terminology

Characteristics of the Manuscript Transmission

Translation

- 1 Now we shall explain the chapter called Enunciation of the logical methods of the system (*tantrayukti*).
- 3 There are thirty-two logical methods of the system. They are as follows:
 - topic (*adhikaraṇa*)
 - semantic linkage (*yoga*)
 - word meaning (*padārtha*)
 - premise (*hetvartha*)
 - mention (*samuddeśa*)

³⁷⁷ [HIML](#): IA, 331.

- description (*nirdeśa*)
- prescription (*upadeśa*)
- statement of reason (*apadeśa*)
- indication (*pradeśa*)
- prediction (*atideśa*)
- (*apavarga*)
- (*vākyaśeṣa*)
- (*arthāpatti*)
- (*viparyaya*)
- (*prasaṅga*)
- (*ekānta*)
- (*anekānta*)
- (*pūrvapakṣa*)
- (*nirṇaya*)
- (*anumata*)
- (*vidhāna*)
- (*anāgatāpekṣaṇa*)
- (*atīkrāntāpekṣaṇa*)
- (*saṁśaya*)
- (*vyākhyāna*)
- (*svasaṁjñā*)
- (*nirvacana*)
- (*nidarśana*)
- (*niyoga*)
- (*vikalpa*)
- (*samuccaya*)
- (*ūhya*)

4 Here one says, “what is the purpose of these methods?” The answer is, “construing sentences and construing meanings”.³⁷⁸

fill in

5-6 There are **two** verses about this:

The logical methods of the system prevent untrue and unsuitable statements. And they also bring about the validity of one’s own statements. And they also clarify meanings that are stated back to front, that are implicit, unclear and any that are partially stated.

³⁷⁸ Dalhaṇa on 6.65.4 (Su 1938: 815) explained this as XXX.

- 8 Among them, topic (*adhikaraṇa*) is the object, concerning which statements are made, such as flavour (*rasa*) or humour (*doṣa*).
- 9 semantic linkage (*yoga*) is that by which a sentence is made cohesive, such as unifying the meanings of words which are stated in a reverse/unusual/different order whether placed close or apart.

तैलं पिबेच्चामृतवल्लिनिम्बहंसाह्वयवृक्षकपिप्पलीभिः ।

सिद्धं बलाभ्याञ्च सदेवदारु हिताय नित्यं गलगण्डरोगे ॥

“For a benefit in the disease of goitre, one should always drink cooked sesame oil with heart-leaved moonseed (*Tinospora cordifolia*), neem, the plant walking maidenhair fern (*Adiantum lunulatum* or *Adiantum philippense*), long pepper, heart-leaf sida, country marrow’, and deodar.”

In this verse, instead of saying first सिद्धं पिबेत्.. ‘one should drink cooked...’ the word *siddha* ‘cooked’ is used in the second hemistich. Connecting this way the meanings of words that are placed apart is also semantic linkage.

- 10 The meaning that is conveyed in an aphorism (*sūtra*) or a word is called word meaning (*padārtha*). In other words, word meaning is the meaning of one or more words. Word meanings are unlimited. Where two or three meanings such as ‘fat’, ‘sweat’ or ‘anointment’ appear to be possible, one should consider the meaning which is valid through semantic linkage with prior and subsequent elements. For example, comprehension is doubtful when it is said that “We are going to explain the chapter on the origin of Veda” concerning that the origin of which Veda is to be stated. *Sāmaveda* and so on are the Vedas. With regard to prior and subsequent elements, the roots *vind* and *vid* have the same meaning. Later a word appears that clarifies that he wants to talk about the origin of *Āyurveda*. Hence, it (*āyurveda*) is the word meaning.
- 11 The statement that serves as proof of an argument is the premise (*hetvārtha*). For example, as a lump of earth is moist by water, the same way a wound becomes moist by substances like milk with black grams and so on.
- 12 A brief statement is called mention (*samuddeśa*), such as pain-causing agent (*śalya*).
- 13 A detailed statement is description (*nirdeśa*), for example, the pain-causing agents are endogenous or exogenous.

- 14 A statements like “it should be this way” is ‘prescription (*upadeśa*). For example, one should not stay awake at night; you should not sleep during daytime.
- 15 A statement like “this happens because of this” is a statement of reason (*apadeśa*). For example, in the sentence “Phlegm increases by sweet substances”, the reason is stated.
- 16 Substantiation of the subject matter through past evidence is indication (*pradeśa*). For example, he removed the pain-causing substance from Devadatta so he can do it from Yajñadatta.
- 17 Substantiation of the subject matter through future event is prediction (*atideśa*). For example, if his wind goes up he would get colic by that.

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.
- AS *Asiatic Society*.
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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/s2kbk5zcr9](https://nirnayapress.org/ark:/13960/s2kbk5zcr9).

- KEWA Mayrhofer, Manfred (1953–72), *Kurzgefaßtes etymologisches Wörterbuch des Altindoarischen; a Concise Etymological Sanskrit Dictionary* (Heidelberg: Carl Winter, Universitätsverlag).
- KL *Kaiser Library.*
- Mānasollāsa Shrigondekar, Gajanan K. (1925–61) (ed.), *मानसोल्लासः = Mānasollāsa [or Abhilaṣitārthacintāmaṇi] of King Someśvara* (Gaekwad's Oriental Series; Baroda: Oriental Institute), ark:/13960/t87h8tn95; v. 2: ark:/13960/t3gz41v8m.
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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 <http://vmlt.in/ncc/>.

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- TMSSML *Tanjore Maharaja Serfoji Saraswati Mahal Library.*
- Viṣṇudh. Śarman, Madhusūdana, and Śarman, Mādhavaprasāda (1912) (eds.), विष्णुधर्मोत्तरपुराणम् = [*Viṣṇudharmottarapurāṇa*] (Mumbai: Khemarāja Śrīkṛṣṇadāsa at the Śrīveṅkaṭeśvara Steam Press), [ark : / 13960 / t6qz6fr23](https://nirṇayasāgara.org/ark:/13960/t6qz6fr23); Lithograph format. Edited on the basis of a manuscript belonging to the astrologer Śudhākaraśarman of the Varanasi Sanskrit Pāṭhaśālā.

Index of Manuscripts

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

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

- aconite leaf (?) (*viṣapatrikā*) Unknown.
Cf. perhaps, *vatsanābha* (wolfsbane).
Cf. [GVDB](#): 373 : 83
- amaranth (*taṇḍulīyaka*) *Amaranthus hypochondriacus*, L. See King 321, [NK](#): 1, #144, [Potter_{rev}](#): 15. Cf. [AVS](#): 1, 121 : 76
- axlewood (*dhava*) *Anogeissus latifolia* (Roxb. ex DC.) Wall. ex Guill & Perr. See [AVS](#): 1, 163 f, [Chopra](#): 20 : 98
- bamboo leaves (*veṇupatrikā*) *Bambusa bambos*, Druce. See [NK](#): 1, #307 : 76
- 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 : 94, 99
- beautyberry (*śyāmā*) *Callicarpa macrophylla*, Vahl. See [AVS](#): 1, 334, [NK](#): 1, #420 : 74, 76
- 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) : 94
- beggarweed (*vidārigandhā*) → *śālapaṇṇī*.
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 : 41
- 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 : 76, 79, 93, 94
- blackboard tree (*saptachada*) *Alstonia scholaris* R. Br. [GVDB](#): 420 : 75
- blackbuck (*hariṇa*) *Antilope cervicapra*, L. See [BIA](#): 270 [IW](#): 95, 165, *et passim* : 79
- blue water-lily (*utpala*) *Nymphaea stellata*, Willd. See [GJM1](#): 528, [IGP](#) 790; [Dutt](#): 110, [NK](#): 1, #1726 : 23, 74, 93, 94
- cardamom (*elā*) *Elettaria cardamomum*, Maton. See [AVS](#): 2, 360, [NK](#): 1, #924, [Potter_{rev}](#): 66 : 94, 99
- cassia cinnamon (*patra*) *Cinnamomum tamala*, (Buch.-Ham.) Nees. See [AVS](#): 2, 84, [NK](#): 1, #589 : 76, 94
- castor oil tree (*gandharvahasta*) → *eraṇḍa*. [GVDB](#): 135, [K&B](#): 3, 2277 : 37
- castor-oil (*eraṇḍa*) *Ricinus communis*, L. See [NK](#): 1, #2145, [Chopra](#): 214 : 42
- 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 pāradah*, “tāra means silver; sutāra means mercury.” : 98

- 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*): 24, 178
- chebulic myrobalan (*haritakī*) Terminalia chebula Retz. GVDB: 466: 75
- cherry (*elavālu*) Prunus cerasus, L.?. See BVDB 58, NK: 1, #2037, GVDB: 58: 94
- chital deer (*prṣata*) Axis axis, Erxleben. See BIA: 292, IW: 93: 79
- cobra's saffron (*nāgapuṣpa*) → nāgakeśara. Mesua ferrea, L. See NK: 1, #1595, GVDB: 220: 94
- corky coral tree (*pāribhadra*) Erythrina suberosa Roxb. See GVDB 245: 98
- costus (*kuṣṭha*) Saussurea costus, Clarke. See NK: 1, #2239: 76, 94, 99
- 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: 41
- 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): 41, 83, 93, 94, 98
- crape jasmine (*nata*) → crape jasmine GVDB: 215: 174, 175
- 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, 94, 174, 175
- 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: 98
- cuscus grass (*uśīra*) Andropogon murcatus, Retz. Also “vetiver grass.” See NK: 1, #180: 76
- datura (*dhattūra*) Datura metel, L. See AVS: 2, 305 (cf. Abhidhānamañjarī), NK: 1, #796 ff. Potter_{rev}: 292 f, ADPS: 132: 38
- deodar (*bhadradāru*) Cedrus deodara, (Roxb.ex D.Don) G. Don. See AVS 41, NK: 1, #516: 94
- dried meat (*vallūra*) MW: 929, AyMahā: 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): 23
- drum-giver (?) (*lambaradā*) Unknown; cf. GVDB: 348: 83
- elixir salve (*rasāñjana*) → añjana. See Indian barberry: 42
- embelia (*viḍaṅga*) Embelia ribes, Burm. f. See ADPS: 507, AVS: 2, 368, NK: 1, #929, Potter_{rev}: 113: 94
- emetic nut (*karaghāṭa*) Probably a synonym for *karahāṭa* (emetic nut), q.v., GVDB: 74:
- 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.:
- emetic nut (*madana*) Randia dumetorum, Lamk. See NK: 1, #2091: 74

- false daisy (*subhaṅgurā*) (su)bhaṅgura = bhr̥ṅga? Eclipta prostrata (L.) L. See [GVDB: 288: 82](#)
- fermented rice-water (*dhānyāmla*) → *kāñjī*, *kāñjikā*, *sauvīra*. [GVDB: 458, NK: 2](#), appendix VI, #18: [39, 40](#)
- fern (*ajaruhā*) Nephrodium species [GVDB: 7](#), uncertain. Perhbaps Christella dentata (Forssk.) Brownsey & Jermy, which is reported to have folk applications against skin diseases in India: [78](#)
- fire-flame bush (*dhātakī*) Woodfordia fruticosa (L.) Kurz. See [AVS: 5, 412, NK: 1, #2626: 75](#)
- fragrant lotus (*saugandhika*) A type of *kumuda* or *utpala* ([GVDB: 457](#)): [23](#)
- garjan oil tree (*aśvakarṇa*) Dipterocarpus turbinatus Gaertn. f. See [GVDB: 28, Chopra: 100: 98](#)
- giant potato (*kṣīravidārī*) possibly → *kṣīraśukla*. Ipomoea mauritiana, Jacq. See [ADPS: 510, AVS: 3, 222, AVS: 3, 1717 ff: 176–178](#)
- ginger (*mahaṣadha*) Zingiber officinale, Roscoe. See [ADPS: 50, NK: 1, #2658, IGP: 1232: 79](#)
- gold (*hema*) gold: [94](#)
- 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”: [98](#)
- golden shower tree (*rājadruma*) rājadruma = āragvadha. Cassia fistula L. See [GVDB 37: 98](#)
- gourd (*alābu*) Lagenaria siceraria Standl. [GVDB: 25](#). Some say Lagenaria vulgaris, Seringe ([NK: 1, #1419](#)) but this is not appropriate for blood-letting: [19, 20, 74](#)
- heart-leaf sida (*balā*) Sida cordifolia, Linn. See [ADPS: 71, NK: 1, #2297: 41, 94](#)
- heart-leaved moonseed (*amṛtā*) → *gudūcī*. Tinospora cordifolia, (Willd.) Hook.f. & Thoms.?. See [ADPS: 38, NK: 1, #2472, 624, Dastur #229: 76, 92](#)
- heart-leaved moonseed (*somavallī*) Tinospora cordifolia (Thunb.) Miers. [GVDB: 456](#). Likely, but uncertain: [76](#)
- henna (*madayantikā*) Lawsonia inermis, L. See [AVS: 3, 303, NK: 1, #1448, Potter_{rev}: 151: 77](#)
- Himalayan mayapple (*vakra*) Podophyllum emodi, Wall. ([NK: #1971](#)). But perhaps a synonym of [crape jasmine](#) and [crape jasmine](#) ([GVDB: 354](#)): [99](#)
- Himalayan monkshood (*ativiṣā*) → *viṣā* Aconitum heterophyllum Wall. [GVDB: 12, NK: 1, #39](#). Also “atis roots”: [77, 79, 99](#)
- Himalayan monkshood (*viṣā*) → *ativiṣā* [GVDB: 12, 373:](#)
- hogweed (*punarnavā*) Boerhaavia diffusa, L. See [ADPS: 387, AVS: 1, 281, NK: 1, #363: 77, 93](#)
- Holostemma creeper (*jīvantī*) → *sūryavallī*? Holostemma ada-kodien, Schultes. See [ADPS: 195, AVS: 3, 167, 169, NK: 1, #1242: 177](#)
- 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*: [79](#)
- 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: 175, 177](#)
- 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 : 41
- Indian barberry (*añjana*) → *rasañjana*, *dāruharidrā*. *Berberis aristata*, DC. Dymock: 1, 65, NK: 1, #335, GJM1: 562, IGP: 141 : 42, 78, 174
- Indian barberry (*dāruharidrā*) *Berberis aristata*, DC. See Dymock: 1, 65, NK: 1, #685, GJM1: 562, IGP 141 : 93, 94
- Indian barberry (*kālīyaka*) → *dāruharidrā*, *añjana*. *Berberis aristata*, DC. See Dymock: 1, 65, NK: 1, #685, GJM1: 562, IGP: 141 : 76
- 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 : 41, 177
- 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 : 41
- Indian madder (*mañjiṣṭhā*) *Rubia cordifolia*, L. See IGP, Chopra: 215, GVDB: 289 : 37, 94
- 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) : 21
- Indian mustard (*sarṣapa*) *Brassica juncea*, Czern. & Coss. See AVS: 1, 301, NK: 1, #378 : 24
- Indian sarsaparilla (*sārivā*) → *anantā*. *Hemidesmus indicus*, (L.) R. Br. ADPS: 434, AVS: 3, 141–5, NK: 1, #1210; and black creeper, *pāliṇḍī*. *Ichnocarpus frutescens*, (L.) R.Br. or *Cryptolepis buchanani*, Roemer & Schultes AVS: 3, 141, 3.145, 3.203, NK: 1, #1283, 1210, ADPS: 434 : 93, 94, 175
- Indian snakeroot (*sarpagandhā*) *Rauvolfia serpentina*, (L.) Benth. ex Kurz. See NK: 1, #2099, ADPS: 439, GVDB: 425; cf. SS 5.5.76–78 :
- jambul (*jambū*) *Syzygium cumini*, (L.) Skeels. See ADPS: 188, NK: 1, #967, Potter_{rev}: 168, Wujastyk 2003a : 75
- jasmine (*mālatī*) *Jasminum grandiflorum*, L. See NK: 1, #1364 : 76
- jequirity (*guñjā*) *Abrus precatorius*, L. See AVS: 1, 10, NK: 1, #6, Potter_{rev}: 168 : 82, 83
- (?) (*karatā*) Not in GVDB. Cf. perhaps *karahāṭa* ([emeti](#) [nut](#)) : 83
- 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 : 99
- liquorice (?) (*klītaka*) *Glycyrrhiza glabra*, L.? GVDB: 123–124 discuss the many difficulties in identifying this plant : 82
- liquorice (*madhuka*) see *yaṣṭīmadhuka* : 41, 79, 92, 94
- liquorice (*yaṣṭīmadhuka*) *Glycyrrhiza glabra*, L. AVS: 3, 84, NK: 1, #1136, GVDB: 329 f. : 42
- 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 *paṭṭikā lodhra* : 94
 long pepper (*māgadha*) *Piper longum*, L.
 See NK: 1, #1928; but cf. AVS: 3, 245 : 78
 long pepper (*pippalī*) *Piper longum*, L. See
 ADPS: 374, NK: 1, #1928 : 79, 94
 luffa (*koṣṭakī*) = *koṣṭatakī*. *Luffa cylindrica*,
 (L.) M. J. Roem. or *L. acutangula*, (L.)
 Roxb. ADPS: 252–253, NK: 1, #1514 etc.
 GVDB: 121 : 74, 92, 176
 luffa gourd (*koṣavati*) = *koṣṭakī*, luffa : 92
 mango (*āmra*) *Mangifera indica* Linn.
 GVDB: 37 : 75
 marking-nut tree (*aruṣkara*) *Semecarpus*
anacardium L. See *bhallātaka*
 (marking-nut tree) : 83
 marking-nut tree (*bhallātaka*) *Semecarpus*
anacardium, L. See NK: 1, #2269,
 AVS: 5, 98 : 78
 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, *viṣāṇī* (also
meṣaśṛṅgī), is sometimes equated with
Dolichandrone falcata (DC.) Seemann
 (ADPS: 518; GVDB: 373 f, a plant used
 as an abortifacient and fish poison
 (NK: #862) : 83
 migraine tree (*agnimantha*) *Premna*
corymbosa, Rottl. See AVS 1927,
 ADPS: 21, NK: 1, #2025, AVS: 4, 348;
 GJM1: 523: = *P. integrifolia/serratifolia*,
 L : 92
 milk-white (*kṣīraśuklā*) An unidentified
 plant. GVDB: 126: see purple *roscoea*
 and giant potato : 41, 178
 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 : 79
 monitor lizard (*godhā*) *Varanus*
bengalensis, Schneider. See
 Reptiles: 58 : 41, 79
 mung beans (*mudga*) *Phaseolus radiatus*
 L. GVDB: 310–311 : 118
 mung beans (*māṣaka*) *Phaseolus mungo*
 Linn. GVDB: 308 : 76
 myrobalan (*abhayā*) *Terminalia chebula*,
 Retz. See ADPS: 172, NK: 1, #2451,
 Potter_{rev}: 214 : 92, 99
 natron (*suvarcikā*) Sodium carbonate.
 NK: 2, #45. Ḍalhaṇa identifies *suvarcikā*
 with svarjikṣāra 4.8.50 (Su 1938: 441) :
 94
 neem tree (*nimba*) *Azadirachta indica* A.
 Juss. GVDB: 226 : 38
 nutgrass (*kuruvinda*) 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 : 98
 nutgrass (*mustā*) *Cyperus rotundus*, L.
 See ADPS: 316, AVS: 2, 296, NK: 1,
 #782 : 177
 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 :
 93, 176
 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 : 93, 94, 99
 peepul tree (*aśvattha*) *Ficus religiosa*, L.
 See ADPS: 63 : 101

- periploca of the woods (*meśaśṛṅga*)
Gymnema sylvestre (Retz.) R. Br. See
 AVS: 3, 107, NK: 1, #1173: 78
- plants like asthma plant and Gulf
 sandmat (*kṣīriṇī*) various milky plants,
 perhaps including *Euphorbia hirta*
 Linn. (asthma plant) and *E.*
microphylla Heyne (Gulf sandmat)
 (GVDB: 127): 176
- 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.: 179
- pointed gourd (*paṭola*) *Trichosanthes*
dioica, Roxb. GVDB: 232–233: 92
- poison berry (*bṛhatī*) *Solanum violaceum*,
 Ortega. See ADPS: 100, NK: 1, #2329,
 AVS: 5, 151: 93, 94
- poison-altar (?) (*viśavedikā*) Unknown.
 Possibly, at a guess, *viśamuṣṭika*
 (strychnine tree)? GVDB: 373 Or *viṣā*
 (Himalayan monkshood): 83
- 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.: 94
- pondweed (*śevāla*) *Zannichellia palustris*
 L. See horned pondweed: 23
- prickly chaff-flower (*apāmārga*)
Achyranthes aspera, L. See GJM1: 524 f,
 AVS: 1, 39, ADPS: 44 f, AVS: 3, 2066 f,
 Dymock: 3, 135: 38, 41
- purging nut (*mūṣikā*) *Jatropha curcas*, L.
 See AVS: 3, 261, NK: 1, #1374: 78
- purple calotropis (*arka*) *Calotropis*
gigantea, (L.) R. Br. See ADPS: 52,
 AVS: 1, 341, NK: 1, #427, Potter_{rev}: 57,
 Chopra IDG: 305–308: 41
- 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: 176, 177
- rajmahal hemp (*moraṭa*) → *mūrvī*,
Marsdenia tenacissima (Roxb.) Wight
 et Arn. Good discussion at
 GVDB: 314–316, 324: 92
- red chalk (*gairika*) *gairika*: 94
- red gourd (*bimbī*) *Coccinia indica*, W. &
 A. See PVS 1994.4.715; NK: 1, #534: 74
- rice grains (*taṇḍula*) *Oriza sativa*, Linn.
 Same as unhusked rice (*śālī*)
 GVDB: 174; or just "grains": 24
- rice-grain chaff (*śālitaṇḍulakāṇḍana*) See
 chaff: 24
- rock salt (*saindhava*) See NK: 2, M#48,
 Watt_{Comm}: 963–971: 24
- rosha grass (*dhyāmaka*) *Cymbopogon*
martinii (Roxb.) Wats. See AVS: 2, 285,
 NK: 1, #177: 94
- sacred lotus (*padma*) *Nelumbo nucifera*,
 Gaertn. See NK: 1, #1698: 23, 76
- sage-leaved alangium (*aṅkolla*) *Alangium*
salvifolium (Linn. f.) Wang.
 GVDB: 5–6: 75
- sandalwood (*candana*) *Santalum album*,
 L. See ADPS: 111, NK: 1, #2217: 94
- sappanwood (*pattāṅga*) Also *pattāṅga*.
Caesalpinia sappan, L. AVS: 1, 323,
 K&B: 2, 847 f, GVDB: 234: 42
- scarlet mallow (*bandhujīva*) *Pentapetes*
phoenicea, L. NK: #1836, GVDB: 268:
 77
- scented pavonia (*bālaka*) *Pavonia odorata*,
 Willd. See ADPS: 498, NK: 1, #1822: 94
- scutch grass (*dūrvā*) *Cynodon dactylon*
 (Linn.) Pers. (GVDB: 205): 175
- 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.): 92
- sesame oil (*taila*) *Sesamum indicum* L.
 GVDB: 183: 41
- siris (*śirīṣa*) *Albizia lebbbeck*, Benth. See
 AVS: 1, 81, NK: 1, #91: 92

- siris seeds (*śirīṣamāṣaka*) *Albizia lebbek*, Benth. See [AVS](#): 1, 81, [NK](#): 1, #91: [75](#)
- small-flowered crape myrtle (*sidhraka*) *Lagerstroemia parviflora* Roxb. See [GVDB](#): 432: [98](#)
- snakeroot (*sugandhā*) → *sarpagandhā* *Rauvolfia serpentina* Benth. ex. Kurz. See [Indian snakeroot](#). But may be *Aristolochia indica* Linn. Has been identified with ??, or ??. See ([GVDB](#): 219, 436): [82](#)
- spikenard (*māṃsī*) *Nardostachys grandiflora*, DC. See [NK](#): 1, #1691: [94](#)
- spikenard (*nalada*) → *māṃsī*. *Nardostachys grandiflora*, DC. See [NK](#): 1, #1691: [73](#)
- strychnine tree (*viṣamuṣṭika*) *Strychnos nux vomica* Linn. [373gvdb](#):
- sugar (*sitā*) *Ḍalhana* makes this equation at 1.37.25 ([Su 1938](#): 162): [94](#)
- sugar (*śarkara*) *Saccharum officinarum*, Linn. [NK](#): #2182: [79](#)
- sugar cane (*ikṣu*) *Saccharum officinarum*, Linn. [NK](#): #2182: [79](#)
- sunflower (*sūryavallī*) → *ādityavallī*, *sūryamukhī*, *Helianthus annuus* Linn. [GVDB](#): 35, 443: [92](#)
- sweet plants (*madhuravarga*) The sweet plants are enumerated at *Suśrutasaṃhitā* 1.42.11. See also [GVDB](#): 127: [41](#)
- sweet-scented oleander (*aśvamāraka*) *Nerium oleander*, L. See [ADPS](#): 223, [NK](#): 1, #1709: [82](#)
- Tellicherry bark (*kuṭaja*) *Holarrhena pubescens* Wall. ex G.Don, with *Wrightia tinctoria* and *W. arborea* considered [GVDB](#): 101–102, [ADPS](#): 267–270: [175](#)
- thorn apple (*karambha*) *Datura metel*, L. See [GVDB](#): 76 for useful discussion. Also, [AVS](#): 2, 305 (cf. *Abhidhānamāñjarī*), [NK](#): 1, #796 ff. [Potter_{rev.}](#): 292 f, [ADPS](#): 132. Possibly the same plant as [plumed cockscomb](#) (*indīvara*) ([GVDB](#): 76, 44–45): [83](#), [177](#)
- three heating spices (*tryūṣana*) *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: [93](#)
- three-leaved caper (*varuṇa*) *Crataeva magna* (Lour.) DC. See [AVS](#): 2, 202; cf. [NK](#): 1, #696: [78](#)
- top layer of fermented liquor (*surāmaṇḍa*) [K&B](#): 2, 502, [NK](#): 2, appendix VI, #49, [McHugh 2021](#): 39: [39](#), [40](#)
- 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: [38](#), [179](#)
- tree cotton (*picu*) See [tree cotton](#) (*kārpāsa*): [40](#), [42](#)
- turmeric (*haridrā*) *Curcuma longa* Linn. [GVDB](#): 465: [93](#), [99](#)
- turmeric (*rajanī*) *Curcuma longa*, L. [ADPS](#): 169, [AVS](#): 2, 259, [NK](#): 1, #750: [24](#), [94](#)
- turpeth (*trivṛt*) → *trvṛtā*. *Operculina turpethum* (Linn.) Silva Manso = *Ipomoea turpethum* R. Br. [GVDB](#): 197.: [79](#), [173](#)
- unhusked rice (*śālī*) *Oriza sativa*, Linn. [GVDB](#): 395–396: [24](#), [178](#)
- velvet-leaf (*pāṭhā*) *Cissampelos pariera*, L. See [ADPS](#): 366, [NK](#): 1, #592, [GJM1](#): 573, [AVS](#): 1, 95; cf. [AVS](#): 2, 277: [92](#)
- velvet-mite (*indragopa*) *Kerria lacca* (Kerr.). Lienhard [1978](#): [74](#)
- verbena (*phañjī*) *Clerodendrum serratum*, L. See [AVS](#): 2, 121, [ADPS](#): 87: [77](#)
- watered buttermilk (*udaśvit*) [MW](#): 183: [74](#)
- weaver's beam tree (*muṣkaka*) *Schrebera swietenoides*, Roxb. See [AVS](#): 5, 88, Lord, [NK](#): 1, #2246: [98](#)

- white calotropis (*alarka*) Calotropis procera, (Ait.) R. Br. See [NK](#): 1, #428, [Chopra](#): 46b, [Chopra IDG](#): 305–308 : 41
- white clitoria (*śvetā*) → *giryāhvā*. Clitoria ternatea, L. See [AVS](#): 2, 129, [NK](#): 1, #621 : 76
- white cutch tree (*somavalka*) Acacia polyacantha, Willd. See [AVS](#): 1, 30, [IGP](#) 7, [GJM1](#): 602, [AVS](#): 2, 935; *pace* [NK](#): 1, #1038 : 77, 98
- white siris (*kiñihī*) Albizia procera, (Roxb.) Benth. See [GVDB](#) 98, [NK](#): 1, #93 : 93
- white water-lily (*kumuda*) Nymphaea alba, Linn. [GVDB](#): 105 : 23
- wild asparagus (*bahuputrā*) → *nandana*? Asparagus racemosus, Willd. See further [wild asparagus](#) (*śatāvarī*) : 77
- 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 : 118, 179
- wild celery (*agnika*) → may be *bhalātaka*, *lāṅgalī*, *ajamodā*, *moraṭa*, or *agnimantha*, [GVDB](#): 4. Uncertain : 92
- wild celery (*ajamodā*) Apium graveolens, L. : 92
- Withania (*aśvagandhā*) Withania somnifera (L.) Dunal. See [AVS](#): 5, 409 f, [Dymock](#): 2, 566 f., Chevallier 150 : 41
- wolfsbane (*vatsanābha*) Aconitum napellus, L. See [AVS](#): 1, 47, [NK](#): 1, #42, [Potter_{rev}](#): 4 f. Or Aconitum chasmanthum Stapf ex Holmes, [GVDB](#): 357 :
- wood apple (*kapittha*) Limonia acidissima, L. See [AVS](#): 3, 327, [NK](#): 1, #1021 : 76, 78
- woodrose (*mūṣikakarṇī*) Jatopha curcas, L. [AVS](#): 3, 261, [NK](#): 1, #1374. [GVDB](#): 317; [ADPS](#): 23–25 discuss this issue well : 76
- yellow-berried nightshade (*kṣudrā*) Solanum virginianum, L. See [ADPS](#): 100, [NK](#): 1, #2329, [AVS](#): 5, 164 : 93, 94

Todo list

| | |
|---|-----|
| ■ subject-verb-object | 49 |
| ■ Don't put guesses in the main text. Footnote them. | 49 |
| ■ Cf. Arthaśāstra 1.21.8. | 72 |
| ■ I'm still unhappy about this verse. | 75 |
| ■ Mention this in the introduction as an example of the scribe knowing the vulgate. | 75 |
| ■ fn about sadyas+ | 75 |
| ■ Bear's bile instead of deer's bile. | 76 |
| ■ punarṇṇavā in the N & K MSS | 77 |
| ■ śrita for śṛta | 77 |
| ■ explain more | 77 |
| ■ Medical difference from Sharma. | 78 |
| ■ example where the vulgate clarifies that these should be used separately; appears to be a gloss inserted into the vulgate text. | 78 |
| ■ The two uses of prāpta are hard to translate. prāptāḥ → kṣipraṃ is an example of the vulgate banalizing the Sanskrit text to make sense of a difficult passage. | 78 |
| ■ √ vyadh not √ vedh (also elsewhere and for the ears), causative optative. | 78 |
| ■ -> ativiṣa | 88 |
| ■ Look up the ca. reference. | 88 |
| ■ Come back to the issue of "kalpa". Look up passages in the Kośa. | 95 |
| ■ write footnote: don't repeat ativiṣā; vulgate similar to H. | 99 |
| ■ material corresponds to SS.1.45.205ab, where it describes how alcohol affects the body. | 102 |

| | |
|---|-----|
| ■ Or “There are 20 phaṇins and 6 maṇḍalins. The same number are known. There are 13 Rājīmants.” Or even, “there are 20 Phaṇins and six of them are Maṇḍalins.” Are phaṇins really the same as darvīkaras? | 105 |
| ■ grammar | 107 |
| ■ where is cutting with a knife related to removing bile or phlegm. . | 112 |
| ■ maṣī burned charcoal. Find refs. | 112 |
| ■ find ref. | 118 |
| ■ Check out these refs. | 118 |
| ■ meaning of kalpa | 118 |
| ■ or a dual? | 123 |
| ■ fill in | 134 |

