

Draft Translation of the Nepalese Version
of the *Suśrutasamhitā*

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Part 1. Sūtrasthāna

Part 2. Nidānasthāna

Part 3. Śārīrasthāna

Part 4. Cikitsāsthāna

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Part 5. Kalpasthāna

Kalpasthāna 2: Poisonous Plants

Introduction

This section begins with several lists of poisonous plants. The Sanskrit names for these plants are mostly not standard or familiar from anywhere in Sanskrit or ethnobotanical literature. It remains a historical puzzle why these particular names are so difficult to interpret. However, we are not the first to encounter these difficulties.

In the eleventh century, Cakrapāṇidatta commentated on a similar list of poisons in the *Carakasamhitā*, and referred to the *Suśrutasamhitā* on the topic.⁴⁹⁴ He also noted that,

In assigning the names to these plants, the main authorities are the Kirātas and Śabarās, who know about these things because they can explain these matters on the basis of a succession of teachers.⁴⁹⁵

About a century later, the learned commentator on the *Suśrutasamhitā*, Ḍalhaṇa, remarked,

In spite of having made the greatest effort, it has been impossible to identify these plants. In the Himalayan regions, Kirātas and Śabarās are able to identify them.⁴⁹⁶

From the view of Sanskrit authors, Kirātas and Śabarās were tribal peoples.⁴⁹⁷

⁴⁹⁴ Cakrapāṇidatta on 6.23.11 ([Su 1939](#): 571).

⁴⁹⁵ Cakrapāṇidatta on *Carakasamhitā* 6.23.11 ([Su 1938](#): 571).

⁴⁹⁶ After *Suśrutasamhitā*, *kalpasthāna* 2.5 ([Su 1938](#): 564).

⁴⁹⁷ Both communities are mentioned in Sanskrit literature from antiquity. The Kirātas

In the tenth or eleventh century, the author Bhikṣu Govinda cast his alchemical treatise as a dialogue with a Kirāta king called Madana who was a master of the alchemical art.⁴⁹⁸ So there was an awareness amongst Sanskrit medical and alchemical authors of that period that different populations were a source of specialized knowledge in these domains, and the Sanskrit authors were open to these sources and indeed depended on them.

Ḍalhaṇa also recorded variant readings of these poison names from the manuscripts that he consulted of the lost commentary of Gayadāsa (fl. c. CE 1000). The identities of these poisons have thus been in doubt for at least a thousand years.⁴⁹⁹ Firm identification has in many cases been equally impossible for us today.

One path for exploration in this situation is to attempt to reverse-engineer some identifications by considering the known toxic plants of India.⁵⁰⁰

Shock

An important new topic introduced in this chapter (34–39) is that of “toxic shock” (*vega*). When a patient has been poisoned, the effect of the toxin is expressed in their body in seven waves or pulses, *vegas*. At each stage, symptoms are slightly different and a different therapeutic regime is prescribed (40–44).

The Sanskrit term *vega* has a range of uses, from “impulse” to “urge, jerk, rush, speed,” or “impetus.” It appears in the well-known passage in

are associated especially with Eastern Nepal, the Himalayan and north-eastern regions of South Asia, while the Śabara people are mainly associated with Odisha and West Bengal. Representative studies on these communities include Elwin (1955), Roy (1970), Chatterji (1974), G. P. Singh (1990), Subba (1999), G. P. Singh (2008), and Rai (2019).

498 HIMAL: IIA, 620.

499 See Wujastyk 2003b: 80–81.

500 Valuable reference sources on Indian plant toxicology in general include Pillay 2013: chs. 10, 11 and Barceloux 2008: parts 1.II, 3 and 4. More generally Bown (NEH: 41 et passim) comments usefully of herbs in general that “it goes without saying that if they can do good, they must contain substances that in excess can poison.” See for a general list of poisonous plants, see Wikipedia contributors 2025c.

the *Carakasamhitā* about avoiding illness not ignoring or suppressing “natural urges,” *vegas*, such as the desire to urinate.⁵⁰¹

According to the author of the *Aṣṭāṅgasanġraha*, Ālambāyana was the ancient authority who declared that the seven pulses (*vega*) of toxic shocks affect, successively, the seven substrata (*āśraya*) of the body, from blood to semen, and Dhanvantari originated the idea that this applied to victims of snake-bite.⁵⁰²

The commentator Indu (fl. 1000–1150) cited verses by Ālambāyana asserting that the pipes in the body carry poison to the heart, but that the heart can be protected by ghee.⁵⁰³

Literature

Meulenbeld offered an annotated overview of this chapter and a bibliography of earlier scholarship to 2002.⁵⁰⁴

501 See *Carakasamhitā* 1.7 (Ca 1941: 49–55), discussed and translated in Wujastyk 2003b: 7–8, 15–17.

502 *Aṣṭāṅgasanġraha* 6.40.35a (As 1980: 844): सप्तेति वेगा मूर्च्छाद्या विदेहपतिना स्मृताः ॥३४॥ रक्तमांसवसास्त्रायु तथाऽस्थ्याद्यास्त्रयः क्रमात् । आश्रयाः सप्त सप्तानामित्यालम्बायनोऽब्रवीत् ॥३५॥. The following verse named Dhanvantari as the originator of the idea that toxic pulses are experienced specifically by a person bitten by a snake (वेगान्धन्वन्तरिस्तद्वत्सर्पदष्टस्य मन्यते । 36ab). The commentator Indu noted that Dhanvantari was the teacher of Suśruta, i.e., that “Dhanvantari” was shorthand for *Suśrutasaṃhitā*. On Ālambāyana, see p. 212, note 715.

503 *Aṣṭāṅgasanġraha* 6.40.60a (As 1980): याः सिराः सर्वगात्रेषु हृदये सम्प्रतिष्ठिताः । ताभिरस्य विषं सर्वं हृदयं सम्प्रधावति ॥ घृतेन तु प्रतिच्छिन्नं विषं नाति प्रपीडयेत् । निर्वाणजननं सर्पिः प्राणिनां प्राणवर्द्धनम् ॥ हृदयावरणास्तद्वद्वक्ष्या भोज्याश्च सागदाः ॥

504 HIML: IA, 290–291.

Translation

- 1 And now I shall explain **required knowledge** (*vijñānīya*) about stationary poisons.⁵⁰⁵
- 3 It is said that there are two kinds of poisons, stationary (*sthāvara*) and mobile (*jaṅgama*). The former dwells in ten sites, the latter in sixteen places.
- 4 Traditionally, the ten are: root, leaf, fruit, flower, bark, milky sap (*kṣīra*), pith (*sāra*), resin (*niryāsa*), minerals (*dhātu*), and the tuber.
- 5 In that context,
 - A The eight items with poisonous roots are:⁵⁰⁶
 1. liquorice,⁵⁰⁷
 2. sweet-scented oleander,
 3. jequirity,
 4. Indian aconite,⁵⁰⁸
 5. mountain gardenia,⁵⁰⁹ and ending with
 6. leadwort,
 7. country sarsaparilla,⁵¹⁰ and
 8. medhshingi,⁵¹¹

505 No reference is made to Dhanvantari (see Birch et al. 2021). “Stationary” here is a term contrasted with “moving,” and signifies plants as opposed to animals and insects.

506 Some South Asian plants with poisonous roots that we would expect to see in this list include *Croton tiglium*, L., *Calotropis* spp. (**purple calotropis** (*arka*), etc.), *Citrullus colocynthus* L. Schrad. (**colocynth** (*indravāruṇī*)), and *Ricinus communis* L. (**castor-oil** (*eraṇḍa*)), (CIPP).

507 Liquorice eaten in excess can be poisonous, but it is uncertain whether it is the plant intended here. T. B. Singh and Chuneekar (GVDB: 124) specifically noted that the poisonous root mentioned in this passage, “remains to be identified.” Cf. glossary for discussion.

508 The vulgate reads **snakeroot** (*sugandhā*), which can be poisonous.

509 Conjectural identification with **mountain gardenia** (*karahāṭa*); similar-sounding candidates also include **galls** (*karkaṭaka*) and **mountain gardenia** (*karaghāṭa*), but since this is a prose passage, there would be no reason to alter the word to fit a metre.

510 The text reads masculine *ananta*, which is not a plant name. Gayadāsa’s commentary on 5.2.5 (Su 1938: 564) noted a variant reading of feminine *anantā* in place of *gargaraka*, earlier in the compound. But the feminine **country sarsaparilla** (*anantā*) is not a poisonous plant.

511 Meulenbeld (1989: 61, n. 3) argued that our text reads a masculine or neuter noun *vijaya*, which never signifies cannabis. However, unlike the vulgate, the unanimous readings of the Nepalese manuscripts give feminine *vijayā*. Nevertheless, even the

B the leaf-poisons include:

- poison-leaf,
- drum-giver,
- an aroid, and
- big an aroid;

C the fruits of items like: jequirity, marking-nut tree, and poison-altar (?) are

- water snowflake,
- pollen,
- bluebell barleria,
- unknown fruit poison,
- an aroid
- a large aroid
- spurge,
- crow,

D the flower-poisons include those of:

- musk mallow,
- Indian fumitory,⁵¹²
- an aroid, and
- a large aroid.

E the bark, pith (*sāra*) and resin (*niryāsa*) of:

- gourd,
- mountain gardenia,
- an aroid, and
- munj grass;

F the milky sap of:

- water snowflake,⁵¹³

feminine form only started to signify *Cannabis sativa* L. after the end of the first millennium (Meulenbeld 1989; Wujastyk 2002; McHugh 2021). See further notes in the glossary under *medhshingi*.

⁵¹² रेणु and रेणुक/-का are different plants (Indian fumitory (*reṇu*), pollen (*reṇukā*)). MS Kathmandu KL 699 reads the first; the scribe of MS Kathmandu NAK 533 added an additional -क in the margin.

⁵¹³ While the identity of this plant is uncertain, the Nepalese version of the *Suśrutasaṃhitā* does not present the hopeless problem of the vulgate's reading कुमुदघ्नी (see Wujastyk 2003b: 140, n. 100).

- red physic nut,
- oleander spurge, and
- luffa

G the mineral (*dhātu*) poisons include:⁵¹⁴

- orpiment,
- cuttle-fish bone,
- ashes, and
- vermilion.⁵¹⁵

H the tubers poisons are:

- jequirity,
- Indian aconite,
- Indian mustard,
- leadwort,
- muddy (?),
- 'Virāṭa's plant',
- nutgrass,
- atis root,
- long-stamen *Wendlandia* (?),
- radish,
- 'alas, alas',
- big poison, and
- galls

The effects of poisons

Symptoms of root poisoning

7–10 People should know that root-poisons cause writhing (*udveṣṭana*), ranting (*pralāpa*), and delirium (*moha*), and leaf-poisons cause yawning, writhing, and wheezing (*śvāsa*).

Fruit-poisons cause swelling of the scrotum, a burning feeling and writhing. Flower-poisons will cause vomiting, distension (*ādhmāna*) and sleep (*svāpa*).

⁵¹⁴ The following identifications are even more than usually uncertain. Note that the vulgate text specifies that there are two mineral poisons.

⁵¹⁵ If this identification as *vermilion* (*rakta*) (cinnabar) is correct, it is an unexpectedly early mention of the substance.

The consumption of poisons from bark, pith (*sāra*) and resin (*niryāsa*) will cause foul breath, hoarseness (*pāruṣya*), a headache, and a discharge of phlegm (*kapha*).⁵¹⁶

The milky sap (*kṣīra*)-poisons make one froth at the mouth, cause loose stool, and make the tongue feel heavy.⁵¹⁷ The element (*dhātu*)-poisons give one a crushing pain in the chest, make one faint and cause a burning feeling on the palate.

These poisons are classified as ones which are generally speaking lethal after a period of time.

11–17 Symptoms of tuber poisoning

The tuber-poisons, though, are severe. I shall talk about them in detail.⁵¹⁸

With **jequirity**, there is numbness and very severe trembling.

With **Indian aconite**, there is rigidity of the neck, and the faeces, and urine become yellow.

With **Indian mustard derivative**, the wind becomes defective (*vātavai-guṇya*), there is constipation (*ānāha*), and lumps (*granthi*) start to appear.

With **leadwort**, there is weakness in the neck, and speech gets jumbled.⁵¹⁹

With the one called **muddy (?)**, there is a discharge (*praseka*), the faeces pour out, and the eyes turn yellow.

The '**Virāṭa's plant**' (*vairāṭaka*) causes pain in the body and illness in the head.

Paralysis of one's arms and legs and trembling are said to be caused by **nutgrass**.⁵²⁰

⁵¹⁶ At 1.2.6 (*Su* 1938: 11), Ḍalhaṇa glossed hoarseness (*pāruṣya*) as *vāgrūkṣatā*, "a rough, dry voice."

⁵¹⁷ At 6.54.10 (*Su* 1938: 773), Ḍalhaṇa glossed loose stool (*viḍbheda*) as *dravapurīṣatā*, "having liquid stool."

⁵¹⁸ See Ḍalhaṇa's comments on the impossibility of identifying the following plants, p. 157 above. All the following plant identifications are tentative in the extreme; see the glossary for discussion.

⁵¹⁹ The verse in the Nepalese version ends with a plural verb that does not agree with the dual of the sentence subject.

⁵²⁰ The substitution in MS NAK 5-333 affecting 15cd is caused by an eye-skip to the word *viṣeṇa* in 2.17.

- 15b With **big poison**, one's limbs grow weak, there is a burning feeling and swelling of the belly.⁵²¹
- 16a With **white lotus**, one's eyes go red, and one's belly becomes distended.⁵²²
- 16b With **radish**, one's body is drained of colour and the limbs are paralysed.⁵²³
- 17a With '**alas, alas**', a man turns a dark colour (*dhyāma*), and gasps.⁵²⁴
- 17b With **atis root** one gets violent knots (*granthi*) and stabbing pains in the heart.⁵²⁵
- 18a With **monkey (?)**, one leaps up, laughs, and bites.
- 18b-19a There are thirteen tuber-poisons that are said to be fiercely potent. These ones that have been stated are connected with ten **positive** qualities.⁵²⁶

Mustaka commonly refers to *Cyperus rotundus*, L.; the root is used in āyurveda but is not poisonous. However other dictionaries list *mustaka* amongst serious poisons, for example *Rājanighaṇṭu* (22 v. 42) and *Rasaratnasamuccaya* 16, v. 80. However, its ancient identity is still doubtful.

- 521 The poisonous root **big poison** (*mahāvīṣa*) is not clearly identifiable, although *viṣā* is commonly aconite. Verse 6 above notes that there are several kinds of aconite.
- 522 The word *punḍarīka* very commonly means white lotus. The entire plant is edible and cannot be the poison intended here. T. B. Singh and Chuneekar (GVDB: 252) noted that this poison is unidentified and that it is also listed as a poison in *Carakasamhitā* 6.23.12571. At that locus, the commentator Cakrapāṇidatta referred to the present chapter in the *Suśrutasamhitā* and also said that the identities of these poisonous plants could only be ascertained by consulting Śabaras and Kirātas, since they alone were experts in receipt of traditional wisdom from their lineages of teachers (एतेषां च संज्ञासंबन्धे शबरकिरातादय एव तद्विद्याः प्रमाणं, ते हि गुरुप्ररंपरया व्याख्यानयन्ति ॥)
- 523 The word *mūlaka* very commonly means the radish, *Raphanus sativus*, L. The root is edible and cannot be the poison intended here. T. B. Singh and Chuneekar (GVDB: 317) noted that this poison is unidentified.
- 524 Identification of *hālāhala* is uncertain. It may simply be a mythical poison, or its specific identity may have been lost over the centuries. Late *nighaṇṭus* identify it as *stomaka* = *vatsanābha*, i.e., *Aconitum napellus*, L. (*Soḍhalanighaṇṭu* p. 43). Ḍalhaṇa on 5.2.17 (Su 1938: 564) interpreted our "gasps" as "the man laughs and grinds his teeth." But this gloss is probably displaced and intended to apply to verse 2.18.
- 525 T. B. Singh and Chuneekar (GVDB: 407) noted that *vatsanābha* and *śṛṅgīviṣa* are two different varieties of poisonous Aconites that are difficult to distinguish.
- 526 This verse reads differently, and scans poorly, in the vulgate. The vulgate's प्रत्युक्तानि "are contradicted" is awkwardly explained by Ḍalhaṇa as "are stated individually" (Ḍalhaṇa on 5.2.18cd (Su 1938: 535)). "Positive" translates कुशलानि, which is not present in the vulgate.

19cd–20ab The ten are, traditionally:

- dry,
- hot,
- sharp,
- rarefied,
- fast-acting,
- pervasive,
- expansive,
- limpid,
- light, and
- indigestible.

20b Because of dryness, it may cause inflammation of the wind; because of heat it inflames the choler and blood. Because of the sharpness it unhinges the mind, and it cuts through the connections with the sensitive points (*marman*). Because it is rarified it can infiltrate and distort the parts of the body.⁵²⁷

22 Because it is fast-acting it kills quickly, and because of its pervasiveness it affects one's whole physical constitution (*prakṛti*).⁵²⁸ Because of its expansiveness it enters into the humour (*doṣa*)s, bodily constituents (*dhātu*)s, and even the impurities. Because it is limpid it overflows, and because it is light it is difficult to treat. Because it is indigestible it is hard to eliminate. Therefore, it causes suffering for a long time.

24 Any poison that is instantly lethal, whether it be stationary, mobile, or artificial, will be known to have all ten of these qualities.

Slow-acting poison

25cd–26 A poison that is old or destroyed by anti-toxic medicines, or else dried up by blazing fire, wind, or sunshine, or which has just spontaneously lost its features,⁵²⁹ becomes a slow-acting poison (*dūṣṭviṣa*).⁵³⁰ Because

⁵²⁷ We read the active *vikaroti* with Ḍalhaṇa against the transmitted passive *vikriyeta*, since it must be the parts of the body that are distorted, not the poison.

⁵²⁸ Ḍalhaṇa on 5.2.22 (*Su* 1938: 565) explained this as “takes the form of pervading the whole body (*akhiladehavyāptirūpam*).”

⁵²⁹ Ḍalhaṇa specified that this refers to the ten qualities that are mentioned above (5.2.26 (*Su* 1938: 565)).

⁵³⁰ Ḍalhaṇa cited this verse at 1.46.83 (*Su* 1938: 222) while explaining *dūṣṭviṣa* (see p. 167).

- it has lost its potency it is no longer perceived. Because it is surrounded by phlegm (*kapha*) it has an aftermath that lasts for a very long time.
- 27 If he is suffering from this, the colour of his stools changes, he gets a sour, bad taste and is very thirsty. Speaking nonsensically and close to death, wandering about, he may feel faint, giddy, and aroused.⁵³¹
- 28 If it lodges in his stomach (*āmāśaya*), he becomes sick because of wind and phlegm; if it lodges in his intestines (*pakvāśaya*), he becomes sick because of wind and choler. A man's hair and limbs fall away and he looks like a bird whose wings have been chopped off.
- 29a–c If it lodges in one of the body tissues such as chyle (*rasa*), it causes the diseases arising from the body tissues, that have been said to be wrong.⁵³² and it rapidly becomes inflamed on days that are nasty because of cold and wind.
- 29d–31 Listen to its initial symptoms (*liṅga*): it causes heaviness due to sleep, yawning, disjunction (*viśleṣa*) and horripilation (*harṣa*) and a bruising of the limbs (*aṅgamarda*).⁵³³ Next, it causes intoxication from food (*annamada*) and indigestion, loss of appetite (*arocaka*), the condition of having a skin disease (*koṭha*) with round blotches (*maṇḍala*),⁵³⁴ **dwindling away (*kṣaya*) of flesh**, swelling of the feet, hands, and face, **the fever called *pralepaka***, vomiting and diarrhoea.⁵³⁵ The slow-acting poison might cause **wheezing, thirst and fever, and it might also cause distension of the abdomen**.
- 32 These various disorders are of many different types: one poison may produce madness, while another one may cause constipation (*ānāha*), and yet another may ruin the semen. One may cause **emaciation**, while another pallid skin disease (*kuṣṭha*).
- 33 Something is “corrupted” by repetitively keeping to bad locations, times, foods, and sleeping in the daytime. Or, traditionally, “corrupting poison” (slow-acting poison (*dūṣī-viṣa*)) is so called because it may

531 Similar symptoms of slow-acting poison are described at 2.7.11–13 (Su 1938: 296) in the context of contamination dropsy (*duṣyodara*). This this may explain why the vulgate inserted reference to this disease at this point.

532 The expression *ayathāyathoktān* “stated to be unsuitable” is hard to understand here, but is clearly transmitted in the Nepalese version.

533 Ḍalhaṇa 5.2.30ab (Su 1938: 565) glossed “disjunction” as the loss of function of the joints in regard to movement.

534 The last ailment could perhaps be ringworm.

535 The *pralepaka* fever was described by Ḍalhaṇa, at 6.39.52 (Su 1938: 675), as an accumulation of phlegm in the joints. Its symptoms are described in 6.39.54

corrupt (*dūṣayet*) the body tissue (*dhātu*)s.

34- The stages of toxic shock

- In the first shock of having taken a stationary poison, a person's tongue becomes dark brown and stiff, he grows faint, and panics.
- 35 In the second, he trembles, feels exhausted, has a burning feeling, as well as a sore throat. When the poison reaches the stomach (*āmāśaya*), it causes pain in the chest (*hṛd*).
- 36 In the third, his palate goes dry, he gets violent pain (*śūla*) in the stomach (*āmāśaya*), and his eyes become weak, swollen and yellow.
- 37 In the fourth shock, it causes the intestines and stomach to be exhausted (*sāda*), he gets hiccups, a cough, a rumbling in the gut (*antra*), and his head becomes heavy too.
- 38 In the fifth he dribbles phlegm (*kapha*), goes a bad colour, his ribs crack (*parśvabheda*), all his humours are irritated, and he also has a pain in his intestines (*pakoādhāna*).
- 39a In the sixth, he loses consciousness and he completely loses control of his bowels.
- 39b In the seventh, there are breaks in his shoulders, back and loins, and he stops breathing.⁵³⁶

Remedies for the stages of slow poisoning

- 40 In the first shock of the poison, the physician should make the man, who has vomited and been sprinkled with cold water, drink an antidote (*agada*) mixed with with honey and ghee.
- 41a In the second, he should make the man who has vomited and been purged drink as before;
- 41b on the third, drink an antidote and a beneficial nasal medicine (*nasya*) as well as an eye salve (*añjana*).

⁵³⁶ Here at 5.2.24 ([Su 1938](#): 566) Ḍalhaṇa glossed *sannirodha* as “complete cessation, i.e., of breath” (*sannirodhaḥ samyañnirodhaḥ, ucchvāsasya iti śeṣaḥ*). The manuscripts all read *skanda* where *skandha* must be intended; this confusion is known from Buddhist Hybrid Sanskrit (Edgerton 1953: 2, 608).

- 42a In the fourth, the physician should make him drink an antidote that is salt with a little oil.⁵³⁷
- 42b In the fifth, he should be prescribed the antidote together with a decoction (*kvātha*) of honey and liquorice.
- 43 In the sixth, the cure (*siddhi*) is the same as for diarrhoea. And in the seventh, he perishes.⁵³⁸
- 44 In between any one of these shocks, once the above treatment has been done, he should give the patient the following cold gruel (*yavāgū*) together with ghee and honey, that will take away the poison.
- 45–46 A gruel (*yavāgū*) made of the following items in a stewed juice (*nīh-kvātha*) destroys the two poisons: luffa,⁵³⁹ wild celery,⁵⁴⁰ velvet-leaf, sunflower,⁵⁴¹ heart-leaved moonseed, myrobalan siris, and Indian

537 At 6.52.30 (Su 1938: 769) Ḍalhaṇa noted that *sindhu* can be interpreted as salt (*saind-hava*).

538 The vulgate text here is quite different, recommending that the patient have medicated powder blown up his nose. It may be possible to detect the evolution of the Nepalese अवसीदेत् to the vulgate's अवपीडश्. The vulgate version is hard to construe, and we see Ḍalhaṇa struggling to interpret it in his commentary on 5.2.43ab (Su 1938: 566). This sternutatory is, however, recommended in the Nepalese version at 5.5.30ab (Su 1938: 576), for the seventh shock of poisoning by a striped snake (*rājimat*). It is possible the text migrated from that location to this.

Another difference at this point is that the Nepalese version also does not support the vulgate's passage on the crow's foot (*kākapada*) therapy (Wujastyk 2003b: 145, n.106). The same is the case at 5.5.24 (Su 1938: 575) and the clear description at 5.5.45 (Su 1938: 577), in neither of which is the therapy supported in the Nepalese version. This therapy seems unknown to the Nepalese transmission. The therapy may have migrated into the vulgate *Suśrutasamhitā* from the *Carakasamhitā* 6.23.66–67 (Ca 1941: 574).

539 At 4.10.8 (Su 1938: 449) Ḍalhaṇa glossed कोशवती as देवदाली and at 4.18.20 (Su 1938: 472) as कटुकोशातकी, vocabulary pointing to *Cucumis cylindrica*, *Cucumis act-angula* or *Luffa echinata*. See glossary under ??.

540 A plant often cited in *Suśrutasamhitā*, but rarely in *Carakasamhitā* (GVDB: 4). Ḍalhaṇa glossed it here, 5.2.45 (Su 1938: 566), as *ajamodā*, wild celery, but noted that others consider it to be *morāṭa*, rajmahal hemp. There is considerable complexity surrounding the identification of *morāṭa*/*mūrvā* and related synonyms (GVDB: 314–316). Taking *agnika* as a short reference to *agnimantha*, often identified as migraine tree, might be plausible, since that is antitoxic or anti-inflammatory, but such a short reference is not known elsewhere.

541 At 5.2.45 (Su 1938: 566) Ḍalhaṇa said that this plant has leaves like the *paṭola*, pointed gourd, T. B. Singh and Chuneekar (GVDB: 280, 443) argued plausibly that this is a synonym for *arkapuṣpī*, panacea twiner, as Ḍalhaṇa also stated in 1.45.120 (Su 1938: 206), and the leaves of *Holostemma* and *Trichosanthes* are indeed strikingly similar. The

cherry, white siris, the two kinds of turmeric,⁵⁴² and the two kinds of hairy-fruited eggplant,⁵⁴³ hogweed, peas, the three heating spices, the two kinds of Indian sarsaparilla⁵⁴⁴ and blue water-lily.

The Invincible Ghee

- 47–49 There is a famous ghee called “Invincible”. It rapidly destroys all poisons but is itself unconquered. It is prepared with a mash (*kalka*) of the following plants: liquorice, crape jasmine, costus, deodar, peas, Indian madder, cardamom and cherry, cobra’s saffron, blue water-lily, sugar, embelia, sandalwood, malabathrum, foxtail millet, rosha grass, the two turmeric,⁵⁴⁵ the two Indian nightshades,⁵⁴⁶ the two kinds of Indian sarsaparilla,⁵⁴⁷ beggarweed, and heart-leaf sida.

Curing the ‘slow-acting’ poison

- 50–52 Someone suffering from “slow-acting poison (*dūṣṭviṣa*)” should be well sweated, and purged both top and bottom. Then he should be made to drink the following eminent antidote which removes “slow-acting poison:”
Take long pepper, rosha grass, spikenard, lodh tree, cardamom, natron, scented pavonia, red ochre, as well as gold, and pondweed.
This antitoxin, taken with honey, eliminates slow-acting poison. It is called the “enemy of slow-acting poison (*dūṣṭviṣāri*),” and it is not prohibited in other situations.
- 53–54 If there are any other side-effects (*upadrava*), such as fever, a burning feeling, hiccups, constipation (*ānāha*), depletion of the semen, distension, diarrhoea, fainting, skin problems, bellyache (*jaṭhara*), madness, trembling, then one should treat each one in its own terms, using anti-toxic medicines.

appearance of the plant, a creeper with sun-like flowers, fits the name. But there remains much controversy about the identities of these candidates (e.g., ADPS: 195–198).

542 I.e., turmeric and Indian barberry.

543 I.e., hairy-fruited eggplant and yellow-berried nightshade.

544 I.e., country sarsaparilla and black creeper.

545 I.e., turmeric and Indian barberry.

546 I.e., hairy-fruited eggplant and yellow-berried nightshade.

547 I.e., country sarsaparilla and black creeper.

- 55 For a prudent person, the slow-acting poison can be cured (*sādhya*) immediately. It is treatable (*yāpya*) if it is of a year's standing. Other than this, it should be avoided for the person who eats unwholesome things.

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Part 6. Uttarat Tantra

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- DED₂ Burrow, Thomas, and Emeneau, Murray B. (1984), *A Dravidian Etymological Dictionary* (2nd edn., Oxford: Clarendon Press), ARK: <https://n2t.net/ark:/13960/s24rgc5rsz0>, URL: <http://dsal.uchicago.edu/dictionaries/burrow/>.
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Materia Medica

Abbreviations

ADPS	Sivarajan, V. V., and Balachandran, Indira (1994), <i>Ayurvedic Drugs and Their Plant Sources</i> (New Delhi, Bombay, Calcutta: Oxford & IBH Publishing).
AVS	Warrier, P. K., Nambiar, V. P. K., and Ramankutty, C. (1994–96) (eds.), <i>Indian Medicinal Plants: A Compendium of 500 Species</i> . Vaidyaratnam P. S. Varier's Arya Vaidya Sala, Kottakal (Madras: Orient Longman).
BIA	Prater, S. H. (1993), <i>The Book of Indian Animals</i> (3rd edn., Bombay, Delhi, etc.: Oxford University Press), ARK: https://n2t.net/ark:/13960/t6356w32f ; 4th impression of 3rd corrected 1980 edition.
Chevillard	Chevallier, Andrew (2000), <i>The Encyclopedia of Herbal Medicine</i> , ed. Penny Warren et al. (1st edn., New York: Dorling Kindersley), ISBN: 9780751303148, ARK: https://n2t.net/ark:/13960/s2bh76qc88s .
Chopra	Chopra, R. N., Nayar, S. L., and Chopra, I. C. (1956), <i>Glossary of Indian Medicinal Plants</i> (3rd reprint, 1992, New Delhi: Council of Scientific and Industrial Research); vol. 2: R. N. Chopra, I. C. Chopra, and Varma (Chopra_{sup}).
Chopra IDG	Chopra, R. N., Chopra, I. C., Handa, K. L., et al. (1958), <i>Chopra's Indigenous Drugs of India</i> (2nd edn., Calcutta: Dhur & Sons), ARK: https://n2t.net/ark:/13960/t9673t140 .
Chopra _{sup}	Chopra, R. N., Chopra, I. C., and Varma, B. S. (1969), <i>Supplement to Glossary of Indian Medicinal Plants</i> (Reprint 1986, New Delhi: National Institute of Science Communication), ISBN: 8185038872.

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- GJM1 Meulenbeld, Gerrit Jan (1974a), "Sanskrit Names of Plants and their Botanical Equivalents," in id., *The Mādhavanidāna and Its Chief Commentary: Chapters 1–10. Introduction, Translation, and Notes* (Leiden: Brill), chap. Appendix Four, 520–611, ARK: <https://n2t.net/ark:/13960/t25b8q97g>.
- GJM2 Meulenbeld, Gerrit Jan (1988), "G. J. Meulenbeld's Additions to his "Sanskrit Names of Plants and their Botanical Equivalents"," in Rahul Peter Das, *Das Wissen von der Lebensspanne der Bäume: Surapālas Vṛkṣāyurveda* (Stuttgart: Franz Steiner Verlag), chap. Appendix 1, 425–65, ISBN: 9783515046633; Supplement to GJM1.
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- IGP Griffiths, Mark (1994), *The New Royal Horticultural Society Index of Garden Plants* (London: Macmillan), ARK: <https://n2t.net/ark:/13960/t2q61gn9z>.

- IHR Khare, C. P. (2004), *Indian Herbal Remedies: Rational Western Therapy, Ayurvedic and Other Traditional Usage, Botany* (Berlin and Heidelberg: Springer), ISBN: 978-3-642-62229-8. DOI: <https://doi.org/10.1007/978-3-642-18659-2>, ARK: <https://n2t.net/ark:/13960/t2p67054f>.
- Issar Issar, T. P. (1994), *Blossoms of Bangalore* (Bangalore: T. P. Issar).
- IW Israel, Samuel, et al. (1988), *Indian Wildlife: Sri Lanka Nepal* (Insight Guides; Singapore etc.: APA Publications), ISBN: 9780245545238, ARK: <https://n2t.net/ark:/13960/s2p9d5pqd1w>.
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- MBG Missouri Botanical Garden (2024), "Missouri Botanical Garden: Plant Finder," Missouri Botanical Garden, URL: <https://bit.ly/MissouriPlantfinder>.
- NEH Bown, Deni (2001), *New Encyclopedia of Herbs and Their Uses* (2nd edn., London, New York etc.: Dorling Kindersly).
- NK Nadkarni, K. M. (1982), *Dr. K. M. Nadkarni's Indian Materia Medica, with Ayurvedic, Unani-tibbi, Siddha, Allopathic, Homeopathic, Naturopathic & Home Remedies, Appendices & Indexes ... in Two Volumes*, ed. A. K. Nadkarni, 2 vols. (3 ed., revised and enlarged by A. K. Nadkarni, Bombay: Popular Prakashan), ISBN: 8171541429, URL: <https://tinyurl.com/Nadkarni1982>; First published in 1954.
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- Watt_{Dict} Watt, George (1889–96), *A Dictionary of the Economic Products of India* (Calcutta: Dept. Revenue and Agriculture, Government of India), URL: <https://tinyurl.com/watt1889>, accessed 28/04/2021.
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Flora

- a large aroid (*mahākarambha*) name from etymology; see **an aroid** (*karambha*): 161
- agarwood (*aguru*) *Aquilaria malaccensis* Lam., **GVDB**: 3: 118, 119, 224
- 'alas, alas' (*hālāhala*) unknown. See Cf. *Soḍhalanighantu* p.43 (sub *bola*) = *stomaka* = **Indian aconite** (*vatsanābha*): 162, 164
- Alexandrian laurel (*punnāga*) *Calophyllum inophyllum*, L. See **AVS**: 1, 338, **NK**: 1, #425: 205, 224
- amaranth (*taṇḍulīya*) see **prickly amaranth** (*taṇḍulīyaka*): 206
- an aroid (*karambha*) probably a plant belonging to Araceae, **GVDB**: 76 for useful discussion. E.g., *Alocasia macrorrhiza* (L.) G.Don is an Old World aroid occurring in S. Asia and has poisonous sap; any part of the aroid *Colocasia* spp. chewed or eaten raw can cause burning pain and buccal swelling, salivation, difficulty breathing, swallowing or speaking. E.g., *C. esculenta* (L.) is native to India and has these properties, **WDMPP**: 1060–62. The same source (2847–2848) gives the extremely irritant *Pergularia daemia* (Forssk.) Chiov. as *karambha*. Cf. **taro** (*piṇḍāluka*) *karambha* is possibly a syn. for **plumed cockscomb** (*indīvara*), **GVDB**: 76, 44–45: 161, 334, 351
- Arabian jasmin (*tṛṇaśūnya*) see **Arabian jasmine** (*mallikā*), **GVDB**: 190 **MW**: 453 says *Jasminium sambac*. **GVDB**: 190 also suggest **screw-pine** (*ketaka*): 334
- Arabian jasmine (*mallikā*) *Jasminum sambac* (L.) Aiton, **GVDB**: 300: 334
- Arabian jasmine (*tṛṇaśūlya*) probably an alternative pronunciation for **Arabian jasmin** (*tṛṇaśūnya*), **GVDB**: 190: 224

- arjun (*arjuna*) *Terminalia arjuna* (Roxb.) Wight & Arn., see [HK](#): 738, [GVDB](#): 61 : 50, 90, 221, 246, 335
- arjun tree (*kakubha*) *Terminalia arjuna* (Roxb.) Wight & Arn., [GVDB](#): 61. But these authors also point out that this plant is sometimes cited together with [arjun](#) (*arjuna*), so it may be [bluebell barleria](#) (*ārtagala*) (see [GVDB](#): 39 for extensive discussion) : 245
- Asoka tree (*aśoka*) *Saraca indica* Linn., [GVDB](#): 26 : 119, 121, 206, 224, 256, 346
- atis root (*śṛṅgīviṣa*) *Aconitum heterophyllum*, Wall. ex Royle. See [AVS](#): 1, 42, [NK](#): 1, #39 : 162, 164
- axlewood (*dhava*) *Anogeissus latifolia* (Roxb. ex DC.) Wall. ex Guill & Perr. See [AVS](#): 1, 163 f, [Chopra](#): 20 : 50, 89, 175, 221, 224
- bamboo (*vaṃśa*) *Bambusa arundinacea* (Retz.) Willd. : 245
- bamboo leaves (*veṇupatrikā*) *Bambusa bambos*, Druce, [NK](#): 1, #307. But [GVDB](#): 380 argues for *Setaria glauca* Beauv. : 153
- banyan (*nyagrodha*) *Ficus benghalensis*, L., [GVDB](#): 356, [HK](#): 748 : 335
- banyan (*vaṭa*) see [banyan](#) (*nyagrodha*) : 90, 93, 246
- barley (*yava*) *Hordeum vulgare*, L. See [HK](#): 752 : 129
- barley ash (*yavakṣāra*) The preparation method is described at [GVDB](#): 327 : 132, 335
- barley ash (*yavanāla*) see [barley ash](#) (*yavakṣāra*), [GVDB](#): 327 : 215
- bayberry (*kaṭphala*) *M. esculenta* Buch.-Ham. ex D. Don, which is native to the Himalaya, from Kashmir to Assam, as well as S. China and SE Asia. *Nageia nagi* (Thunb.) Kuntze (syn of *Myrica nagi* Thunb.), as suggested by T. B. Singh and Chuneekar ([GVDB](#): 66), is native to East Asia, not India : 206
- bearded premna (*vasuka*) *Premna barbata* Wall. (← *vasuhaṭṭa*), according to Cakrapāṇidatta. See the discussion by T. B. Singh and Chuneekar ([GVDB](#): 362–363), where other candidate species such as *Osmanthus*, *Calotropis*, and *Trianthema* are discussed. T. B. Singh and Chuneekar ([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 : 90
- beautyberry (*śyāmā*) *Callicarpa macrophylla*, Vahl. See [AVS](#): 1, 334, [NK](#): 1, #420 : 124, 151, 153, 207
- beggarweed (*aṃśumatī*) see [beggarweed](#) (*śālapanṇī*), [GVDB](#): 1, mentioning that the pair of these refers to [beggarweed](#) and [hare foot uraria](#) : 169, 216
- beggarweed (*sthīrā*) see [beggarweed](#) (*śālapanṇī*), [GVDB](#): 458 : 216, 245
- beggarweed (*vidārigandhā*) see [beggarweed](#) (*śālapanṇī*) : 59, 129, 239, 348
- beggarweed (*śālapanṇī*) *Desmodium gangeticum* (L.) DC. See [Dymock](#): 1, 428, [GJM1](#): 602, [NK](#): 1, #1192; [ADPS](#): 382, 414 and [AVS](#): 2, 319, 4.366 are confusing : 335
- beleric myrobalan (*bibhītaka*) *Terminalia bellirica* Roxb. One of the components of [the three myrobalans](#) (*triphalā*) [GVDB](#): 274, 196 : 356
- Bengal quince (*bilva*) *Aegle marmelos* (L.) Corr. See [AVS](#): 1, 62, [Chevallard](#): 161, [NK](#): 1, #62, i([MW](#): 732a) : 89, 119, 121, 126, 207, 336, 341, 354
- big poison (*mahāvīṣa*) unknown : 162, 164
- bitter gourd (*paṭolī*) see [pointed gourd](#) (*paṭola*), cite[233] [gvdb](#) : 206
- bitumen (*adrija*) → *śilājīṭ*. A tar-like, black, resinous rock exudate. See

- Mahākośa*: 1, 21 : 187
- black Bengal quince (*kṛṣṇaśrīphalikā*)
GVDB: 412, on *śrīphala*, synonym of
Bengal quince (*bilva*) fruit : 342
- black creeper (*kālānusārī*) *Ichnocarpus*
frutescens R. Br. or *Cryptolepis*
buchanani Roemer & Schultes.
Probably a synonym for *kṛṣṇasārīvā*
(GVDB: 94–95). *I. frutescens* has dark,
rust-colored stems, so has been
preferred here. However, *Cryptolepis*
grandiflora, Wight, also has black
stems. Synonym of *kālānusārīṇī*,
kālānusārīvā. *kālānusārya* may be a
synonym of *tagara*, itself hard to
identify : 205, 336
- 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 : 153, 156, 169, 206
- black nightshade (*kākamācī*) *Solanum*
nigrum, Linn., GVDB: 86–87. May also
be the less poisonous *S. dulcamara*,
“bittersweet nightshade,”
K&B: 1, 889–892 : 217, 223, 339
- black pepper (*marica*) *Piper nigrum*, L. See
ADPS: 294, NK: 1, #1929. Known to
ancient Greek authors (Ball 1888: 341) :
130, 222, 256, 341, 356
- black sarsaparilla (*kālānusārīvā*) see *Indian*
sarsaparilla (*sārīvā*); see also *black*
creeper (*kālānusārī*). Problems about
identifying this plant are discussed at
GVDB: 94–95 and GVDB: 429–431 : 224
- blackboard tree (*saptachada*) *Alstonia*
scholaris R. Br. GVDB: 420 : 152, 336
- blackboard tree (*saptaparṇa*) see
blackboard tree (*saptachada*) : 222
- blackbuck (*hariṇa*) *Antelope cervicapra*, L.
See BIA: 270 IW: 95, 165, *et passim* : 156
- blue water-lily (*utpala*) *Nymphaea stellata*,
Willd. See GJM1: 528, IGP 790;
Dutt: 110, NK: 1, #1726 : 41, 110, 151,
169, 224, 256, 257, 340
- bluebell barleria (*kuravaka*) see *bluebell*
barleria (*kuruvaka*) : 207
- bluebell barleria (*kuruvaka*) Or *kurubaka*.
T. B. Singh and Chuneekar (GVDB: 108)
notes that this is sometimes listed as a
type of rice, as at *Suśrutasaṃhitā* 1.46.8
(Su 1938: 215). Further discussion at
GVDB: 447–448, sub *bluebell barleria*
(*saireyaka*), where *kurubaka* is said to be
identifiable with *baka* and *būka*.
T. B. Singh and Chuneekar (GVDB)
finally propose a red-flowering
Rhododendron, admitting that this is a
novel suggestion : 161, 336
- bluebell barleria (*sahā*) see *bluebell*
barleria (*sahācara*), GVDB: 428 : 128, 215
- bluebell barleria (*sahācara*) see *bluebell*
barleria (*saireyaka*), GVDB: 427 : 336
- bluebell barleria (*saireyaka*) A *Barleria*,
perhaps *B. cristata* L. that is particularly
well-known in South India. Four kinds
are distinguished in ayurveda, based
on the colour of their flowers. See
substantive discussion at
GVDB: 444–449 : 336
- bluebell barleria (*ārtagala*) A variety of
bluebell barleria (*saireyaka*), q.v.;
GVDB: 39 argue for *Xanthium*
strumarium L., “clotbur” and for
Acanthus ilicifolius Linn., which is not
native to S. Asia. See also GVDB: 446 :
335
- bread flower (*āsphota*) GVDB: 41 argue for
Vallaris solanacea (Roth ex Roem. &
Sult.) Kuntze. This has the right
distribution in S. Asia POWO: s.v. : 217
- bull’s head (*gokṣura*) *Tribulus terrestris* L.
GVDB: 144–145, 193. A component of
lesser five roots : 336
- bull’s head (*trikaṇṭaka*) → *bull’s head*
(*gokṣura*) GVDB: 193. A component of

- lesser five roots : 348
- bulrush (*kaṣeru*) "Two species, *Scirpus kysoor* Roxb., and *S. grossus* Linn. f., are used" [GVDB: 85](#). Also *kaṣeruka* and *kaseru* : 124, 125, 128
- camphor (*karpūra*) *Camphora officinarum*, Nees. or *Dryobalanops aromatica*, Gaertn.f., nom cons. The latter is native to the Malay Archipelago. See [GVDB: 82](#), [IGP: 253](#); see also [camphor \(śītaśiva\)](#) : 337
- camphor (*śītaśiva*) rarely mentioned. Taken as [rock salt \(saindhava\)](#) or [shami tree \(śamī\)](#), etc., by some authors, [GVDB: 402](#). [Ḍalhaṇa](#) on 5.6.18 ([Su 1938: 581](#)) glossed it as [camphor \(karpūra\)](#), but noticed other interpretations : 224, 337
- cardamom (*elā*) *Elettaria cardamomum*, Maton. See [AVS: 2](#), 360, [NK: 1](#), #924, [Potter_{rev}: 66](#) : 118, 119, 169, 177, 205, 206, 214, 224, 245, 337, 356
- cardamom (*kṣudrailā*) see [cardamom \(elā\)](#), [GVDB: 128](#). This expression, "small cardamom" is only used at [Sūsrutasamhitā Kalpasthāna 6.17](#) : 224
- carray cheddie (*viśvadevā*) → *gāṅgerukī* *Canthium parviflorum*, Lam. See [AVS: 1](#), 366 f. Or *Sida rhombifolia* Linn. ([GVDB: 372](#), 444 ff. et passim) : 93
- castor oil tree (*gandharvahasta*) see [castor-oil \(eraṇḍa\)](#). [GVDB: 135](#), [K&B: 3](#), 2277 : 55, 121
- castor-oil (*eraṇḍa*) *Ricinus communis*, L. See [NK: 1](#), #2145, [Chopra: 214](#) : 60, 160, 337
- castor-oil tree (*vardhamāna*) see [castor-oil \(eraṇḍa\)](#), [GVDB: 361](#) : 222
- catechu (*khadira*) *Senegalia catechu* (L.f.) P. J. Hurter & Mabb = *Acacia catechu* Willd. [GVDB: 129–130](#) : 90
- certain minerals (*tārāvītāra*) 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." : 176
- chaff (*kāṇḍana*) The word *kāṇḍana* is not found in dictionaries; *kāṇḍana* 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*) : 43, 353
- champak (*campaka*) *Magnolia champaca* (L.) Baill. ex Pierre, [GVDB: 154](#) : 224
- chebulic myrobalan (*haritakī*) *Terminalia chebula* Retz. [GVDB: 466](#) : 127, 152, 224, 356
- cherry (*elavālu*) *Prunus cerasus*, L. See [GVDB: 58](#) for a thoughtful discussion [NK: 1](#), #2037 : 169, 224, 337
- cherry (*elavāluka*) see [cherry \(elavālu\)](#) : 222
- chinaberry tree (*mahānimba*) *Melia azedarach* L., [GVDB: 302](#) : 343
- chir pine (*sarala*) *Pinus roxburghii*, Sarg. [GVDB: 423](#) : 89, 128, 222, 224
- cinnamon (*tvac*) *Cinnamomum cassia*, Blume. See [NK: 1](#), #579 : 216, 224, 245, 337, 356
- cinnamon (*tvak*) see [cinnamon \(tvac\)](#) : 206
- cinnamon (*varāṅga*) see [cinnamon \(tvac\)](#), [GVDB: 360](#) : 222
- citron (*mātuluṅga*) *Citrus medica*, Linn. [GVDB: 276](#), 306. Also spelled *mātuliṅga*, *mātulaṅga*, *mātulāṅga* : 89, 126, 131, 132, 206, 240
- cluster fig (*udumbara*) *Ficus racemosa*, L. See [ADPS: 487](#) : 221
- cobra's saffron (*nāgapuṣpa*) → *nāgakeśara*. *Mesua ferrea*, L. See [NK: 1](#), #1595, [GVDB: 220](#) : 169
- cogongrass (*balvaja*) possibly *Imperata cylindrica* (L.) P. Beauv. [GVDB: 271](#) describe the debate about this identity : 245
- coleus (*hrīvera*) *Coleus vettiveroides* K.C.Jacob, [GVDB: 474](#), where it is stated that this is a synonym for

- scented pavonia (*bālaka*), also a disputed plant. See POWO: <https://powo.science.kew.org/taxon/446211-1>. Some say this is Pavonia odorata, Willd., "scented pavonia": 246, 354
- colocynth (*indravārunī*) Citrullus colocynthis (L.) Schrad., GVDB: 46. The two varieties of this plant are discussed by (ADPS: 180–183); the first is agreed to be colocynth, the second is debated but is likely to be a Cucurbitaceae: 160, 222, 224, 338
- colocynth (*mṛgādanī*) see colocynth (*indravārunī*) GVDB: 46, 318 : 206
- common smilax (*śvadamśtra*) Smilax aspera L., GVDB: 414 : 89
- convolvulus (*lakṣmaṇā*) Sivarajan and Balachandran (ADPS: 273–275) suggest Ipomoea marginata (Desr.) Verdc. or I. obscura (Linn.) AVS: 3, 237–238 suggests Ipomoea sepiaria Roxb. (looks like a little boy (*putraka*), and generates a boy (*putrajananī*), according to the *Bhāvaprakāśa*). Sivarajan and Balachandran (ADPS: 273–275) firmly reject Mandragora officinalis which is European; but possible consideration could be given to Mandragora caulescens C.B. Clarke, a variant that is known in South Asia. Cf. GVDB: 346–347. NK: #1546, #2323 suggests Mandragora officinalum, Linn., known as *putrada* : 93
- coriander (*dhānyaka*) Coriandrum sativum L., GVDB: 213 : 338
- coriander (*kustumburya*) see coriander (*dhānyaka*), GVDB: 113 : 224
- corky coral tree (*pāribhadra*) Erythrina suberosa Roxb. See GVDB: 245 : 175, 338
- corky coral tree (*pāribhadra*) see corky coral tree (*pāribhadra*) : 121, 221
- costus (*kuṣṭha*) Dolomiaea costus (Falc.) Kasana & A. K. Pandey. See GVDB: 112, NK: 1, #2239. Known to ancient Greek authors (Ball 1888: 345) : 118, 119, 126, 153, 169, 177, 205, 206, 214, 222, 224, 245, 246
- cottony jujube (*kākolī*) Ziziphus mauritiana, Lam. See IGP: 1233, NK: 1, #2663; IGP 1233. Cf. NK: 1, #1170 : 117, 125, 126, 202
- 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, and cf. heart-leaf sida (*balā*) : 59, 125, 128, 314
- country mallow (*sahadevā*) see *balā* (GVDB: 428). Contains ephedrine : 93, 128
- country sarsaparilla (*ananta-poison*) see country sarsaparilla (*anantā*), with which I conjecturally identify this poisonous root plant. See footnote 510, p. 160 : 160
- country sarsaparilla (*anantā*) Hemidesmus indicus, (L.) R. Br. See ADPS: 434, AVS: 3, 141–145, 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) : 59, 160, 169, 176, 338
- crape jasmine (*tagara*) Tabernaemontana divaricata (L.) R.Br. ex Roem. & Schultes. See GJM1: 557, AVS: 5, 232. Synonym of *nata*. 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 or a Nymphoides (see *water snowflake* (*kumudavatī*)), but there remain many historical questions about the ancient and regional identities of this plant See,

- e.g., AVS: 5, 334, 345. See also
IGP: 1147, K&B: 1, 796, #758: 118, 119,
126, 153, 169, 205, 224, 342, 358
- 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: 341, 358
- croton tree (*nāgadantī*) *Croton persimilis*
Müll.Arg., GVDB: 222: 222, 339, 353
- croton tree (*nāgavinnā*) *Croton persimilis*
Müll.Arg. GVDB: 222 I have taken this
as croton tree (*nāgadantī*) because of
context in *Suśrutasaṃhitā* Kalpasthāna
5: 207
- crow (*kāka-plant*) an unidentified
poisonous plant apparently called
“crow.” T. B. Singh and Chuneekar
(GVDB: 86) note that several drugs
named after the crow are
unidentifiable. Thus, black nightshade
(*kākamācī*) is toxic, but this is a stretch:
161
- cucumber (*trapuṣa*) *Cucumis sativus* L.,
GVDB: 191: 340
- datura (*dhattūra*) *Datura metel*, L. See
AVS: 2, 305 (cf. *Abhidhānanaṃjārī*),
NK: 1, #796 ff. Potter_{rev}: 292 f,
ADPS: 132. See Geeta and Gharaibeh
2007 and related literature for the
evidence that all *Datura* species are
originally a New World genus,
introduced to S. Asia in pre-Columbian
times. Note that *dhattūra* is mentioned
three times the *Suśrutasaṃhitā* (4.17.37,
5.7.52, 53) but never in the
Carakasāṃhitā or the *Bhelasāṃhitā*:
56, 339
- datura (*dhuttūrakā*) see datura (*dhattūra*):
219
- deodar (*bhadradāru*) *Cedrus deodara*,
(Roxb.ex D.Don) G. Don. See AVS 41,
NK: 1, #516: 50, 125, 129, 169, 222
- deodar (*devadāru*) *Cedrus deodara* (Roxb.)
Loud. GVDB: 206–207: 89, 126, 224,
314, 339
- deodar (*suradāru*) see deodar (*devadāru*):
205
- devil’s dung (*hiṅgu*) *Ferula foetida* Regel.,
GVDB: 471–472: 90, 91, 205
- dried ginger (*nāgara*) → dried ginger
(*śuṇṭhī*) GVDB: 221–222: 91, 205
- dried ginger (*śuṇṭhī*) *Zingiber officinale*,
Roscoe. See ADPS: 50, NK: 1, #2658,
AVS: 5, 435, IGP: 1232: 124, 339, 356
- 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): 42
- drum-giver (*lambaradā*) unknown; name
from etymology. Cf. GVDB: 348: 161
- durva grass (*dūrvā*) *Cynodon dactylon*
(L.) Pers., GVDB: 205, where some
questions are raised about white and
green varieties: 245, 343, 354
- elixir salve (*rasāñjana*) cf. Indian barberry
(*añjana*): 50, 60, 344
- embelia (*viḍaṅga*) *Embelia ribes*, Burm. f.,
ADPS: 507, AVS: 2, 368, NK: 1, #929,
Potter_{rev}: 113. Poisonous to fish and
mammals, WEP: 271: 50, 89, 119, 169,
205, 206, 222
- emblic myrobalan (*āmalaka*) *Phyllanthus*
emblica, L. See AVS: 4, 256: 90, 127,
128, 242, 243, 256, 356
- emetic nut (*madana*) *Randia dumetorum*,
Lamk., GVDB: 291–292 and NK: 1,
#2091: 152, 316, 350
- false daisy (*bhr̥ṅga*) *Eclipta prostrata* (L.)
L. See GVDB: 288, but this is a
new-world species: 89, 344
- fermented rice-water (*dhānyāmla*) → *kāñjī*,
kāñjikā, *sauvīra*. GVDB: 458, NK: 2,
appendix VI, #18: 57, 58
- fern (*ajaruḥā*) *Nephrodium* species
GVDB: 7, uncertain. Perhaps
Christella dentata (Forssk.) Brownsey
& Jermy, which is reported to have folk

- applications against skin diseases in India : 155
- fire-flame bush (*dhātakī*) *Woodfordia fruticosa* (L.) Kurz. See [AVS](#): 5, 412, [NK](#): 1, #2626. Known to ancient Greek authors (Ball 1888: 344) : 90, 152
- five roots (*pañcamūla*) Described at *Suśrutasaṃhitā* 1.38.66–69 ([Su 1938](#): 169). There are two *pañcamūlas*, the *laghupañcamūla* (the lesser five roots) and *bṛhatpañcamūla* (greater five roots), with differing properties. Combined they are called *daśamūla* (ten roots). See also *Mahākośa*: 1, 468 : 89
- flame-of-the-forest (*kiṃśuka*) see [flame-of-the-forest](#) (*palāśa*), [GVDB](#): 97–98 : 214
- flame-of-the-forest (*palāśa*) *Butea monosperma* (Lam.) Taub. [GVDB](#): 241. *pālāśa* in some sources : 90, 121, 340
- flax (*atasī*) *Linum usitatissimum*, L. See [NK](#)#1495 : 125
- foxtail millet (*priyaṅgu*) also *śyāmā*. *Setaria italica* (L.) P. Beauvois [GVDB](#): 263–264, [GJM1](#): 576. The most widely-grown species of millet in Asia. Some say *Callicarpa macrophylla*, Vahl. See [AVS](#): 1, 334, [NK](#): 1, #420. The fruits of *S. italica* and *C. macrophylla* are similar. See also [GVDB](#): 413, where the authors suggest that *priyaṅgu* is meant by *gondī* or *gondanī* and may have originally been called *gundrabīja* : 50, 169, 177, 205, 206, 246, 256, 340, 344
- foxtail millet (*priyaṅgū*) see [foxtail millet](#) (*priyaṅgu*) : 224
- fragrant lotus (*saugandhika*) A type of white water-lily (*kumuda*) or blue water-lily (*utpala*), [GVDB](#): 457 : 41
- fruit of the marking-nut (*āruṣkara*) see [marking-nut tree](#) (*aruṣkara*). “*āruṣkara* = *aruṣkara phala*” [ADPS](#): 23; see also [MW](#): 151 : 206
- gajpipul (*gajapippalī*) [GVDB](#): 469, 132, syn. *hastipippalī*. A controversial plant, but the conjecture of T. B. Singh and Chuneekar that *Scindapsus officinalis* (Roxb.) Schott is the more ancient identity is accepted here : 340, 363
- gajpipul (*hastipippalī*) see [gajpipul](#) (*gajapippalī*), [GVDB](#): 469, 132 : 222
- galangal (*galaṅgala*) *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](#)) : 341
- galls (*karkaṭa*) almost impossible to identify with certainty, [GVDB](#): 78–80. Perhaps *Toxicodendron succedaneum* (L.) Kuntze, 1891, see [NK](#): 1, #2136. Sometimes identified with [cucumber](#) (*trapuṣa*), which however is not toxic : 162, 340
- galls (*karkaṭaka*) see [galls](#) (*karkaṭa*) : 160
- garjan oil tree (*aśvakarṇa*) *Dipterocarpus turbinatus* Gaertn. f. See [GVDB](#): 28, [Chopra](#): 100 : 175, 221, 224
- giant potato (*kṣīravidārī*) possibly → *kṣīraśukla*. *Ipomoea mauritiana*, Jacq. See [ADPS](#): 510, [AVS](#): 3, 222, [AVS](#): 3, 1717 ff : 125, 345, 349, 351, 353
- ginger (*mahaṣadha*) *Zingiber officinale*, Roscoe. See [ADPS](#): 50, [NK](#): 1, #2658, [IGP](#): 1232 : 156
- gold (*hema*) gold : 169
- 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” : 176
- golden shower tree (*rājadruma*) see [golden shower tree](#) (*āragvadha*) : 175
- golden shower tree (*rājavarṣa*) see [golden shower tree](#) (*āragvadha*) : 89
- golden shower tree (*āragvadha*) *Cassia*

- fistula L. **GVDB**: 37–38, **ADPS**: 48, **AVS**: 2, 11 ff, **AVS**: 2, 854, **IGP**: 215. Known to ancient Greek authors (Ball 1888: 343). The plant has many synonyms: 127, 204, 214, 216, 340
- gourd (*alābu*) *Lagenaria siceraria* Standl. **GVDB**: 25. Some say *Lagenaria vulgaris*, Seringe (**NK**: 1, #1419) but this is not appropriate for blood-letting: 37, 38, 152, 202
- gourd (*vallija*) see **gourd** (*vallija*): 161
- gourd (*vallija*) This is a guess. According to some lexical sources, syn. for **black pepper** (*marica*) (**MW**: 929). See **NK**: 1, #1929. T. B. Singh and Chuneekar (**GVDB**: 362) note that *valliphala* may be **wax gourd** (*kūṣmāṇḍa*), which I follow. The related **spiny bitter gourd** has poisonous seeds, but not flowers. Commenting on *Bṛhatsaṃhitā* 8.13ab and 16.24ab, Bhaṭṭotpala glossed it as *mudgādi*, “mung beans etc.”: 341
- grapes (*drākṣā*) *Vitis vinifera* L. **GVDB**: 208–209: 206
- greater five roots (*br̥hatpañcamūla*) Described at *Suśrutasaṃhitā* 1.38.68–69 (**Su** 1938: 169). Consists of **Bengal quince**, **migraine tree**, **Indian trumpet tree**, **crimson trumpet-flower tree**, and **white teak**: 340, 346, 356
- green gram (*māṣa*) *Vigna radiata* (L.) R. Wilcz. See **ADPS**: 296, **IGP** 1204: 50, 125, 315
- 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.”: 89, 124, 126, 205, 245, 340
- gummy gardenia (*pr̥thvīkā*) ← *hiṅgupatrikā*, *Gardenia gummifera* L.f., **GVDB**: 257, q.v. for discussion: 206, 224
- hairy bergenia (*pāṣāṇabheda*) *Bergenia ligulata* (Wall.) Engl. **GVDB**: 246–247: 90
- hairy-fruited eggplant (*br̥hatī*) *Solanum lasiocarpum* Dunal. (syn. *S. ferox*, L. & *S. indicum* L.), **GVDB**: 277–278, who discuss the two kinds of *br̥hatī*, which may be large and small eggplants (*Solanum melongena* L.). See also **ADPS**: 100, **NK**: 1, #2329, **AVS**: 5, 151, **IHR**: 429–430: 121, 127, 168, 169, 215, 216, 348
- halfa grass (*darbha*) *Demostachya bipinnata* Stapf. **GVDB**: 201. Synonym of *kuśa*: 92, 125
- halfa grass (*kuśa*) *Desmostachya bipinnata*, (L.) Stapf. **GVDB**: 111, **AVS**: 2, 326: 125, 199, 222, 245
- hare foot uraria (*kroṣṭakamekhalā*) see **hare foot uraria** (*pr̥śniparnī*) *Mahākośa*: 1, 246. *kroṣṭaka* can mean “jackal” *śṛgāla*, as in *śṛgālavinna*, “a kind of *pr̥śnaparnī*” *Mahākośa*: 1, 839: 206
- hare foot uraria (*pr̥thakparṇī*) → **hare foot uraria** (*pr̥śniparnī*) and **rajmahal hemp** (*mūrvā*) **GVDB**: 257. A component of **lesser five roots**: 127, 348
- hare foot uraria (*pr̥śnaparnī*) see *pr̥śniparnī*: 335
- hare foot uraria (*pr̥śniparnī*) → *sahā*? *Uria lagopoides*, DC. and *U. picta* Desv. See **GVDB**: 257–258, **GJM**: 577, **Dymock**: 1, 426, **AVS**: 1, 750 ff, **NK**: 1, #2542; **ADPS**: 382, **AVS**: 2, 319 and **AVS**: 4, 366 are confusing. Also called *pr̥thakparṇī*. A component of **lesser five roots**: 124, 125, 341

- heart-leaf sida (*balā*) *Sida cordifolia*, Linn.
See [ADPS](#): 71, [NK](#): 1, #2297. On the various types of heart-leaf sida (*balā*), see [GVDB](#): 270–271, who point out that there are several species of *Sida*, e.g., *S. acuta*, *S. rhombifolia*, *S. spinosa* and *S. cordifolia* that may all be types of *balā*: [59](#), [125](#), [128](#), [130](#), [169](#), [314](#), [338](#), [342](#)
- heart-leaved moonseed (*amṛtā*) *Tinospora cordifolia* (Thunb.) Miers., synonym of *guḍūcī*. See [ADPS](#): 38, [NK](#): 1, #2472, 624, [Dastur](#) #229, [GVDB](#): 17–18. Also *amṛta*, m.: [153](#), [168](#), [216](#), [217](#)
- heart-leaved moonseed (*guḍūcī*) *Tinospora cordifolia*, (Thunb.) Miers. [ADPS](#): 38, [NK](#): 1, #2472 & #624, [Dastur](#) #229, [GVDB](#): 141–142. Also identified as *Cocculus cordifolius* DC. by Nadkarni ([NK](#)) and others (see also the [Tropicos botanical database](#)). Also commonly called *amṛtā*: [89](#), [126](#)
- heart-leaved moonseed (*somavallī*) *Tinospora cordifolia* (Thunb.) Miers. [GVDB](#): 456. Likely, but uncertain: [153](#)
- heart-leaved moonseed creeper (*amṛtavalli*) See *amṛtā*: [314](#)
- hedge caper (*himśrā*) *Capparis sepriaria* L., [GVDB](#): 471, [IHR](#): 124, [K&B](#): 1, 109: [342](#)
- hedge caper (*kākādanī*) synonym of hedge caper (*himśrā*), [GVDB](#): 88, 471, [IHR](#): 124, [K&B](#): 1, 109. This name is not used in the *Carakasamhitā*. At 5.7.31 ([Su](#) 1938: 583), [Ḍalhaṇa](#) glossed *kākādanī* as black Bengal quince (*kṛṣṇaśrīphalikā*). [GVDB](#): vi, 471 note that they have identified *kākādanī* as *Cardiospermum halicacabum* L. “balloonvine”: [217](#)
- henna (*madayantikā*) *Lawsonia inermis*, L. See [AVS](#): 3, 303, [NK](#): 1, #1448, [Potter](#)_{rev}: 151: [154](#)
- hibiscus (*ambaṣṭhā*) possibly *Hibiscus rosa-sinensis* L. T. B. Singh and Chuneekar ([GVDB](#): 18–19) discuss the confusions surrounding the identity of this plant, and especially between this plant and velvet-leaf (*pāṭhā*); they must be different items. T. B. Singh and Chuneekar propose that *ambaṣṭhā* is either the fruit of *Hibiscus* or the galls of a *Quercus* or *Tamarix* species. According to Meulenbeld 1974b: 599, *vanakārpāsī* is more likely a name for a hibiscus: [207](#)
- Himalayan birch (*bhūja*) see [Himalayan birch](#) (*bhūrja*): [222](#)
- Himalayan birch (*bhūrja*) *Betula utilis* D. Don, [GVDB](#): 287: [342](#)
- Himalayan mayapple (*vakra*) *Podophyllum hexandrum*, Royle ([NK](#): #1971), [K&B](#): 1, 68. But perhaps a synonym of crape jasmine (*tagara, nata* q.v. ([GVDB](#): 354)): [177](#), [205](#), [206](#), [216](#), [217](#), [245](#)
- Himalayan yew (*sthaṇṇeya*) see [Himalayan yew](#) (*sthaṇṇeyaka*): [224](#)
- Himalayan yew (*sthaṇṇeyaka*) T. B. Singh and Chuneekar ([GVDB](#): 458–459) suggested *Taxus baccata* L., but that tree is endemic to the Mediterranean and not South Asia. Poudel et al. 2013 show that *T. contorta* Griff., *T. mairei* (Lemée & Lév.) and *T. wallichiana* Zucc. are distributed in the Hindu Kush - Himalaya region. The Nepalese name *Thuṇeraka* is etymologically cognate with the Sanskrit name. *T. contorta* is of medicinal importance, so its common name is used here: [205](#), [342](#)
- hog plum (*āmṛātaka*) *Spondias pinnata* (L.f.) Kurz, [GVDB](#): 37, [ADPS](#): 36–37. A member of the *ambaṣṭhādi* group: [110](#), [246](#)
- hogweed (*punarnavā*) *Boerhaavia diffusa*, L. See [ADPS](#): 387, [AVS](#): 1, 281, [NK](#): 1, #363: [127](#), [154](#), [168](#), [207](#), [342](#), [343](#)
- hogweed (*punarnavā*) see [hogweed](#) (*punarnavā*): [216](#)
- hogweed (*punarnavā*) see [hogweed](#) (*punarnavā*): [219](#)

- hogweed (*varṣābhu*) see [hogweed](#) (*varṣābhū*) : 216
- hogweed (*varṣābhū*) see [hogweed](#) (*punarnavā*). According to [GVDB](#): 361, it is *Trianthema portulacastrum* L., but this is mainly known from Africa and the new world. The name is often considered a synonym for [hogweed](#) (*punarnavā*) : 343
- Holostemma creeper (*jīvantī*) → *sūryavallī*? *Holostemma ada-kodien*, Schultes. See [ADPS](#): 195, [AVS](#): 3, 167, 169, [NK](#): 1, #1242 : 128, 351
- holy basil (*surasa*) *Ocimum tenuiflorum*, Linn. [GVDB](#): 438–439. Not always distinguished from *O. basilicum* L., [Watt_{Dict}](#): 5, 443 : 207, 240
- honey (*kṣaudra*) Eight varieties of honey are described in the *Suśrutasamhitā* ([NK](#): 2, Appendix 192). *Kṣaudra* is the product of a small bee of tawny colour, called *kṣudra* : 133, 156, 256, 257
- 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 [durva grass](#) (*dūrvā*) ([GVDB](#): 409). Identified as *Ceratophyllum demersum* Linn. (“hornwort”) by [AVS](#): 2, 56–57x : 126, 343, 352
- hornwort (*jalaśūka*) → *jalanīlikā*. *Ceratophyllum demersum*, L. See [AVS](#): 2, 56, [IGP](#): 232. T. B. Singh and Chuneekar ([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 : 59
- horse gram (*kaulattha*) See [horse gram](#) (*kulattha*) : 200
- horse gram (*kulattha*) *Macrotyloma uniflorum* (Lam.) Verdcourt, syn. *Dolichos biflorus*, L., *D. uniflorus*, Lam., [GVDB](#): 109, [POWO](#): sub *Macrotyloma uniflorum* : 129, 130, 204, 225, 343
- horseradish tree (*akṣīva*) see [horseradish tree](#) (*śigru*). [GVDB](#): 2–3, 27 discusses the contradictions in identifying this plant. I am adopting the most common traditional identification with *śigru* (Meulenbeld 2009: 77, note 12), although [chinaberry tree](#) (*mahānimba*) is also likely. The suggestion by T. B. Singh and Chuneekar about the name being an erroneous reading for *akṣīra*[*aśmantaka*] cannot stand since the name occurs in a ninth-century *Suśrutasamhitā* manuscript. This occurrence in the *Suśrutasamhitā* was not known to the definitive study by Meulenbeld (2009: 77–78) : 246, 247
- horseradish tree (*madhukaśigru*) See [horseradish tree](#) (*śigru*), [GVDB](#): 398–399 : 221
- horseradish tree (*murungī*) see [horseradish tree](#) (*śigru*), ([GVDB](#): 311) : 206
- horseradish tree (*śigru*) *Moringa oleifera* Lam. See [IGP](#): 759, [GJM1](#): 603, [Dymock](#): 1, 396, [GVDB](#): 398–399, [K&B](#): 1, 396–399, #336. The definitive study is that by Meulenbeld (2009), who suggested that the name may have denoted pungent, pro-pitta plants, while Spiers (2022) took this further, suggesting that “*śigru*” may historically have referred more generally to plants with a sharp taste, perhaps including garlic : 126, 127, 343
- hyacinth beans (*niṣpāva*) *Lablab purpureus* (L.) Sweet (1826) [GVDB](#): 228 : 115
- Indian aconite (*ativiṣā*) *Aconitum ferox*, Wall. ex Ser., or perhaps *A. heterophyllum* Wall. ex Royle, [GVDB](#): 12, [NK](#): 1, #39. Also called “atis roots” or just *viṣā*. *A. ferox* is also called aconite, monkshood, wolfsbane, etc. *A. ferox* is extremely poisonous. See also [Indian aconite](#) (*vatsanābha*). It grows

- especially in mountainous Sikkim : 116, 154, 156, 177, 222, 224, 344
- Indian aconite (*bhaṅgurā*) alternate name of [Indian aconite](#) (*ativiṣā*) or [foxtail millet](#) (*priyaṅgu*), MW: 744; in SS 5.2.5, I have taken it as the former. GVDB: 288 have *bhaṅgarā* as a variant of [false daisy](#) (*bhṛṅga*), but that is not toxic : 344
- Indian aconite (*subhaṅgurā*) see [Indian aconite](#) (*bhaṅgurā*), it's usual form, without the prefix *su-* "good" : 160
- Indian aconite (*vatsanābha*) *Aconitum ferox*, Wall. ex Ser. Cf. AVS: 1, 47 (A. Napellus, L., which is European and now taxonomically separated from A. ferox), NK: 1, #42, [Potter_{rev}](#): 4 f. A. chasmanthum Stapf ex Holmes according to GVDB: 357, but that is distributed in Pakistan, Afghanistan and Tibet, Mongolia and Siberia. "*vatsanābha*" occurs in only once in the *Carakasamhitā* and thrice in the *Suśrutasaṃhitā* (Ca4.23.11571, Su5.2. 5, 6, 12564) : 162, 163, 334, 343
- Indian aconite (*viṣā*) see [Indian aconite](#) (*ativiṣā*), GVDB: 12, 373 : 352
- Indian barberry (*añjana*) see [Indian barberry](#) (*dāruharidrā*) Cf. [elixir salve](#) (*rasāñjana*) : 60, 155, 339
- Indian barberry (*dāruharidrā*) *Berberis holstii* Engl., Dymock: 1, 65, NK: 1, #335, #685, GJM1: 562, IGP: 141, GVDB: 203 : 168, 169, 240, 344, 356
- Indian barberry (*dārṣī*) see [Indian barberry](#) (*dāruharidrā*) : 257
- Indian barberry (*kālīyaka*) see [Indian barberry](#) (*dāruharidrā*) : 153
- Indian bat tree (*śuṅgā*) → *parkaṭīṣṭṛkṣa* according to *Śabdasaṃhitā*: 1058; idem also suggests *vaṭaṣṭṛkṣa*, i.e., *Ficus benghalensis* Linn. and *āmṛātaka*, *Spondias pinnata* (L.f.) Kurz. (native to S.E Asia but naturalized in S. Asia). Contrasted with *vaṭa* at *Suśrutasaṃhitā* 3.2.32. Cf. MW: 1081. : 93
- Indian bdellium-tree (*guggula*) See [Indian bdellium-tree](#) (*guggulu*) : 205, 249
- Indian bdellium-tree (*guggulu*) *Commiphora wightii* (Arn.) Bhandari (GVDB: 140). This is a flowering shrub or small tree that produces a fragrant resin commonly called *guggulu*. The name sometimes refers to the plant and sometimes to the resin. Known to ancient Greek authors (Ball 1888: 340) : 133, 344
- Indian beech (*nakṭamāla*) *Pongamia pinnata*, (L.) Pierre. See AVS: 4, 339, NK: 1, #2003 : 50, 121
- Indian cherry (*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.). See [Indian cherry](#) (*śleṣmātakī*) : 127, 168, 246, 247
- Indian cherry (*śelū*) see [Indian cherry](#) (*śleṣmātakī*), GVDB: 408 : 224
- Indian cherry (*śleṣmātaka*) see [Indian cherry](#) (*śleṣmātakī*) : 246
- Indian cherry (*śleṣmātakā*) see [Indian cherry](#) (*śleṣmātakī*) : 221
- Indian cherry (*śleṣmātakī*) *Cordia dichotoma* G. Forst., AVS: 2, 180–183. See POWO: *C. dichotoma*; *Cordia myxa* L., according to T. B. Singh and Chuneekar (GVDB: 413–414), although they also suggest *C. dichotoma* (synonym of *C. wallichii* G. Don.) and *C. rothii* (synonym of *Cordia sinensis* Lam.) : 206, 344
- Indian dill (*śatapušpā*) *Anethum graveolens* L. May also be *Foeniculum vulgare* Mill. See GVDB: 388 for discussion : 128, 224, 246
- Indian elm (*cirabilva*) *Holoptelea integrifolia* (Roxb.) Planch. GVDB: 158, who also say that *pūtika* is a synonym; but that must be different than *pūtikā* : 344
- Indian elm (*ciribilva*) see [Indian elm](#)

- (*cirabilva*) : 221
- Indian frankincense (*agamṛttikā*) see [Indian frankincense](#) (*śallakī*), according to Ḍalhaṇa's comment on *Suśrutasamhitā* 5.7.29. A variant form of [Indian frankincense](#) (*agamṛttikā*) : 216
- Indian frankincense (*agamṛttikā*) see [Indian frankincense](#) (*nagavṛttikā*), [GVDB](#): 3, 392 : 345
- Indian frankincense (*gajavṛttikā*) *Boswellia serrata* Roxb.; equated with [Indian frankincense](#) (*śallakī*) by some, [GVDB](#): 392. See also [Indian frankincense](#) (*nagavṛttikā*) : 206
- Indian frankincense (*nagavṛttikā*) see [Indian frankincense](#) (*agamṛttikā*) : 345
- Indian frankincense (*śallakī*) *Boswellia serrata* Roxb., [GVDB](#): 392 : 216, 345
- Indian fumitory (*parpaṭa*) the ancient plant is probably impossible to identify, and many alternatives are used today, including especially *Fumaria* species ([GVDB](#): 239–240). I have chosen *Fumaria indica* (Hauskn.) Pugsley, which can be poisonous : 345
- Indian fumitory (*reṇu*) see [Indian fumitory](#) (*parpaṭa*), [GVDB](#): 339. To be distinguished from [pollen](#) (*reṇukā*) : 161
- 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 : 59, 126, 351
- Indian jujube (*sauvīraka*) *Zizphus jujuba* Mill., [GVDB](#): 458, [MBG](#): sub *jujuba* : 125, 200
- 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 : 59, 89
- Indian laurel (*plakṣa*) *Ficus microcarpa*, L. f. See [ADPS](#): 377 : 222
- Indian madder (*mañjiṣṭhā*) *Rubia cordifolia*, L. See [IGP](#), [Chopra](#): 215, [GVDB](#): 289 : 55, 169, 205, 206, 215, 222
- 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) : 39
- Indian mustard (*sarṣapa*) *Brassica juncea*, Czern. & Coss. See [AVS](#): 1, 301, [NK](#): 1, #378, [GVDB](#): 426–427 : 42, 162, 222, 246, 345
- Indian mustard derivative (*sārṣapa*) this would normally mean “derived from [Indian mustard](#) (*sarṣapa*).” Excessive consumption of mustard oil can be harmful. This seems not to fit in a list of tuber poisons (SS 5.2.11–17). However, the *Sauśrutanighaṇṭu* (156) gives *rakṣoghṇā* as a synonym for *sarṣapā*. This can be *Semecarpus anacardium*, L.f., which has some poisonous parts (“the black fruit is toxic and produces a severe allergic reaction if it is consumed or its resin comes in contact with the skin” Semalty et al. 2010). But this is still not a tuber product : 163
- Indian pennywort (*maṇḍūkapaṇṇī*) *Centella asiatica* (L.) Urban. See [GVDB](#): 290, [ADPS](#): 289–291 : 207
- Indian sarsaparilla (*sugandhikā*) see [Indian sarsaparilla](#) (*śvetasārivā*) [GVDB](#): 430, 436 : 206, 224
- Indian sarsaparilla (*sārivā*) → *anantā*. The *śveta* variety is *Hemidesmus indicus*, (L.) R. Br. [ADPS](#): 434, [AVS](#): 3, 141–145,

- NK: 1, #1210, [GVDB](#): 430; and the black form, black creeper, *pāṇḍī*.
Ichnocarpus frutescens, (L.) R.Br. or *Cryptolepis buchanani*, Roemer & Schultes [AVS](#): 3, 141, 145, 203, NK: 1, #1283, 1210, [ADPS](#): 429–430 : 169, 336, 340, 346
- Indian sarsaparilla (*śvetasārivā*)
Hemidesmus indicus, (L.) R. Br. See [Indian sarsaparilla](#) (*sārivā*). [ADPS](#): 434, [AVS](#): 3, 141–145, NK: 1, #1210, [GVDB](#): 430 : 345
- Indian snakeroot (*nākulī*) see [Indian snakeroot](#) (*sarpagandhā*). See [GVDB](#): 219 for discussion of the difficulties in this identification : 244
- Indian snakeroot (*sarpagandhā*) *Rauvolfia serpentina*, (L.) Benth. ex Kurz. See NK: 1, #2099, [ADPS](#): 439, [GVDB](#): 425; cf. SS 5.5.76–78 : 207, 346
- Indian snakeroot (*sarvagandhā*) common spelling in Nepalese MSS for [Indian snakeroot](#) (*sarpagandhā*), q.v. : 216
- Indian symphorema (*ananta*) Not in [GVDB](#) but MW: 25 says “*sinduvāra*” on no authority (see [Indian symphorema](#) : 222
- Indian symphorema (*sinduvāra*)
 T. B. Singh and Chunekekar ([GVDB](#): 435) settles on *Symphorema polyandrum* Wight as the identity of this plant. Other authors choose *Vitex negundo* Linn. See further NK: 1, #2603 (cf. use of leaves), [IGP](#): 1210a, MW: 1088b. Discussion by [GVDB](#): 433–435 : 205, 207, 215, 224, 346
- Indian trumpet tree (*śyonāka*) *Oroxylum indicum* (L.) Benth. ex Kurz. [GVDB](#): 172–173. A component of greater five roots : 346
- Indian trumpet tree (*tiṇṭuka*) → [Indian trumpet tree](#) (*śyonāka*). *Oroxylum indicum* (L.) Benth. ex Kurz. [GVDB](#): 172–173. A component of greater five roots : 341
- Indian trumpet tree (*tiṇṭuka*) see [Indian trumpet tree](#) (*śyonāka*), [GVDB](#): 172–173 : 222
- Indian willow (*vañjala*) see [Indian willow](#) (*vañjala*) : 245
- Indian willow (*vañjala*) see [Indian willow](#) (*vetasa*); see [GVDB](#): 356 for discussion. Doubts about this identification go back as far as Jejjāṭa (Ḍalhaṇa on 5.8.105 ([Su](#) 1938: 592)). T. B. Singh and Chunekekar ([GVDB](#): 356) noted that this is a tree in the *nyagrodha* group and has sometimes been equated with [Asoka tree](#) (*aśoka*) and sometimes with [sandan](#) (*tiniśa*) : 126, 222, 245, 346, 359
- Indian willow (*vetasa*) *Salix tetrasperma* Roxb, [GVDB](#): 380–381, q.v. for the argument that this is not the same as [rattan](#) (*vetra*). The identification of *vetasa* with *Salix caprea* L. is unlikely since the distribution of that *S. caprea* does not include S. Asia : 346
- indigo (*nīlinī*) *Indigofera tinctoria*, L. See NK: 1, #1309. [GVDB](#): 229–230 propose that this may differ from [indigo](#) (*nīlī*), and be rather the *Ipomoea hederacea* Jacq., “ivy-leaved morning glory.” But that plant is native to the Americas, as are most *Ipomoea* species. *I. tinctoria* was known to ancient Greek authors (Ball 1888: 343) : 217, 346
- indigo (*nīlā*) see [indigo](#) (*nīlinī*). Although T. B. Singh and Chunekekar ([GVDB](#): 229) refer to an unidentified creeper mentioned in *Carakasamhitā* Ci.1-4.7, the use in the Nepalese *Suśrutasaṃhitā* 5.6.24 is likely to refer to [indigo](#) (*nīlī*) : 216
- indigo (*nīlī*) see [indigo](#) (*nīlinī*) : 224, 346
- Indrajao (*indrayava*) see [vrkṣaka](#) ([Indrajao](#)) *Holarrhena pubescens* Wall. ex G. Don 1837 [GVDB](#): 376, 45 and 84 : 116
- Indrajao (*vrkṣaka*) → *indrayava*, *indrabīja*, *kaliṅga*, and *kuṭāja*. *Holarrhena pubescens* Wall. ex G. Don 1837

GVDB: 376, 45 and 84 : 91, 314, 346
 ironwood tree (*nāgakeśara*) *Mesua ferrea* L.
 GVDB: 220 : 356
 itchytree (*nicula*) *Barringtonia acutangula*
 (L.) Gaertn., GVDB: 224 : 222
 jambul (*jambū*) *Syzygium cumini*, (L.)
 Skeels. See ADPS: 188, NK: 1, #967,
 Potter_{rev}: 168, Wujastyk 2003a : 152, 257
 jequirity (*guñjā*) *Abrus precatorius*, L. See
 AVS: 1, 10, NK: 1, #6, Potter_{rev}: 168.
 Jequirity contains a dangerous toxin
 called Abrin in its seeds and to a lesser
 extent in its leaves, but apparently not
 in its roots or bulb. Abrin is not
 harmful if eaten, but an infusion of the
 bruised (not boiled) seeds injected or
 rubbed in the eyes can be fatal (NK: #
 6). The dose can be quite small. See
 further jequirity (*kālakūṭa*) : 160, 161
 jequirity (*kālakūṭa*) see jequirity (*kālakūṭa*) :
 163, 347
 jequirity (*kālakūṭa*) possibly *Abrus*
precatorius, L. Cf. RRS 21.14. See
 AVS: 1, 10, NK: 1, #6, Potter_{rev}: 168. The
 Nepalese witnesses agree on the
 feminine form, *kālakūṭā*, while the more
 normal gender is masculine. The
 etymology of the name *kāla-kūṭa*,
 “black-top,” fits with the striking
 appearance of jequirity seeds.
 GVDB: 93 does not attempt to identify
 the plant. The *Rasaratnasamuccaya* of
 pseudo-Vāgbhaṭa (21.14) says that the
kālakūṭa poison is similar to “crow’s
 beak” (*kākacañcu*), which is a more
 certain name for jequirity. Another
 hypothesis for the name, which could
 be translated “time/death-peak” might
 connect it with Sandakphu mountain,
 whose name is Lepcha for “the height
 of the poisonous plant” because of the
 abundance of *Aconitum ferox* on the
 mountain : 162, 347
 koda millet (*kodrava*) *Paspalum*
scrobiculatum L., GVDB: 119 : 133

kumkum tree (*kampillaka*) *Mallotus*
philippensis (Lam.) Muell.Arg.,
 GVDB: 74. AVS: 3, 375–379 describes
 the different plant used in Kerala, with
 the variant name *kampippāla* and and
 ADPS: 203–205 cites this as a good
 example of how Sanskrit plant
 identities can be misinterpreted in
 Kerala : 347
 kumkum tree (*kampilya*) see kumkum tree
 (*kampillaka*) : 119, 245
 kutki (*kaṭukā*) *Picrorhiza kurroa* Royle ex
 Benth. (GVDB: 64–65) : 116, 133,
 347, 350
 kutki (*kaṭurohaṇī*) → kutki (*kaṭukā*),
 GVDB: 66, 64–65 : 205
 kutki (*kaṭurohiṇī*) see kutki (*kaṭukā*),
 GVDB: 66, 64–65 : 224
 leadwort (*agniśikhā*) *Plumbago zeylanica*
 (or *rosea*?), L. See NK: 1, #1966, 1967.
 The roots of both rose and white
 leadwort are very toxic. : 347
 leadwort (*citraka*) *Plumbago zeylanica* (or
indica?), L. See RĀ. 6.124, ADPS: 119,
 NK: 1, #1966, 1967 : 50, 90, 116, 121,
 132, 205
 leadwort (*pālaka*) → *citraka*. *Plumbago*
zeylanica (*indica*? *rosea*?), L. See Rā.
 6.124, ADPS: 1, 119, NK: 1, #1966, 1967 :
 162, 163
 leadwort (*vidyutśikhā*) see leadwort
 (*agniśikhā*) : 160
 lemongrass (*lāmajja*) *Cymbopogon*
iwarancusa (Jones ex Roxb.) Schult. See
 NK: 1, #176, POWO: <https://powo.science.kew.org/taxon/396948-1>. GVDB: 350 points out that
 the identity of this grass remains
 uncertain, though it one of the two
uśīras. The Linnean name *C.*
iwarancusa derives from William Jones’
 use of the Sanskrit name *jvarāṇkuśa* for
 this plant : 150, 347, 348, 357
 lemongrass (*lāmajjaka*) see lemongrass
 (*lāmajja*) : 245, 246

- lemongrass (*uśīrabheda*) see [lemongrass](#) (*lāmajja*) : [357](#)
- lesser five roots (*laghupañcamūla*)
Described at *Suśrutasamhitā* 1.38.66–67 (Su 1938: 169). Consists of [bull's head](#), [hairy-fruited eggplant](#), [yellow-berried nightshade](#), [hare foot uraria](#), and [beggarweed](#) : [336](#), [337](#), [340](#), [341](#), [356](#), [360](#)
- liquorice (*klītaka*) *Glycyrrhiza glabra*, L. [GVDB](#): 123–124 discuss the many difficulties in identifying this plant, and suggest *Hygrophila auriculata* Schumacher (marsh barbel) and *Sesbania bispinosa* (Jacq.) W.Wight (prickly sesban), neither of which is noted for toxic roots (as mentioned in SS 5.2.5). Lüde et al. 2016 identify *G. glabra* as a cause of poisoning, sometimes severe, when used as a food, but do not specifically mention the root : [160](#)
- liquorice (*madhuka*) also *yaṣṭi*(*ka/kā*), *yaṣṭīmadhuka*, *Glycyrrhiza glabra*, L. [AVS](#): 3, 84, [NK](#): 1, #1136, [GVDB](#): 329 f. : [59](#), [89](#), [124–129](#), [131](#), [156](#), [167](#), [169](#), [205](#), [221](#), [224](#), [246](#), [257](#), [348](#)
- liquorice (*yaṣṭī*) see [liquorice](#) (*madhuka*) : [206](#)
- liquorice (*yaṣṭīmadhuka*) see [liquorice](#) (*madhuka*) : [60](#)
- lodh tree (*lodhra*) *Symplocos racemosa*, Roxb. See [GJM](#): 597, [ADPS](#): 279 f, [NK](#): 1, #2420. T. B. Singh and Chuneekar ([GVDB](#): 351–352) notes that there are two varieties, *S. racemosa*, qualified as *śāvara*, and *S. crataegoides* Buch.-Ham. for *paṭṭikā lodhra* : [50](#), [169](#), [205](#), [257](#)
- long pepper (*kṛṣṇā*) see [long pepper](#) (*pippalī*) : [256](#)
- long pepper (*māgadha*) see [long pepper](#) (*pippalī*) : [155](#)
- long pepper (*pippali*) see [long pepper](#) (*pippalī*) : [205](#)
- long pepper (*pippalī*) *Piper longum*, L. See [ADPS](#): 374, [NK](#): 1, #1928, [GVDB](#): 249–250, but cf. [AVS](#): 3, 245 : [89](#), [90](#), [121](#), [127](#), [128](#), [132](#), [133](#), [156](#), [169](#), [222](#), [225](#), [256](#), [314](#), [348](#), [356](#)
- long pepper root (*pippalīmūla*) see [long pepper](#) (*pippalī*) : [222](#)
- long-stamen Wendlandia (?) (*prapaunḍarika*) See the substantial discussion by T. B. Singh and Chuneekar ([GVDB](#): 261). They note that it is used mainly in eye troubles and frequently with liquorice, than which it is has been said to be thicker, and sweet in taste. A candidate they suggest is *Wendlandia heynei* (Schult.) Santapau & Merchant (formerly *W. exserta*), native to India; I have accepted that provisionally : [162](#), [205](#), [224](#), [348](#)
- long-stamen Wendlandia (?) (*tilaka*) see [long-stamen Wendlandia](#) (?) (*prapaunḍarika*), [GVDB](#): 183–184. Sometimes thought to be a synonym of [viburnum](#) (*tilvaka*), q.v., but this is probably erroneous : [224](#), [358](#)
- lotus (*nalina*) see [sacred lotus](#) (*kamala*), [GVDB](#): 218 : [256](#), [257](#)
- lotus stalk (*mṛṇāla*) “Leaf stalk of [sacred lotus](#)” [GVDB](#): 318 : [126](#)
- luffa (*jālinī*) see [luffa](#) (*koṣātakī*), [GVDB](#): 168 : [162](#), [214](#), [215](#)
- luffa (*koṣavatī*) see [luffa](#) (*koṣātakī*) : [168](#)
- luffa (*koṣātakī*) *Luffa cylindrica*, (L.) M. J. Roem. or *L. acutangula*, (L.) Roxb. [ADPS](#): 252–253, [NK](#): 1, #1514 etc. “*Koṣātakī* appears to be used in a general way for all the fruit drugs of the family Cucurbitaceae which have a net-like structure of fibres in the pulp. It thus includes nearly all *Luffa* species...” [GVDB](#): 121 : [348](#)
- mahua (*madhūka*) *Madhuca longifolia*, (J. Koenig) J. F. Macbride. See [AVS](#): 3, 362 f. Known to ancient Greek authors (Ball 1888: 339–340) : [89](#), [260–262](#)
- maidenhair fern (*haṃsāhvayā*) *Adiantum lunulatum* Burm f. [GVDB](#): 463 : [314](#)

- malabathrum (*patra*) *Cinnamomum tamala*, (Buch.-Ham.) Nees. See [AVS: 2, 84](#), [NK: 1, #589](#). Other common names include Indian bay leaf etc., but the plant has an ancient history in the classical world as “malabathrum.” See Ball 1888: 341, who also suggests that the chief source of the plant in India is Assam. See also Wikipedia contributors 2025d. Kokoszko and Rzeźnicka (2018: 581) discuss the abbreviations “leaf” (φύλλα, *folium*) in the Mediterranean world that parallels the Sanskrit usage. Kokoszko and Rzeźnicka 2018: 584 note that Dioscorides (fl. 1st cent. CE) stated that malabathrum came from India, although Dioscorides’ description of malabathrum is of a plant like a *Nymphoides indica* (L.) Kuntze, not a tree (Osbaldeston and Wood 2000: 17) : 118, 119, 126, 153, 169, 214, 224, 356
- Malay beechwood (*śrīparṇī*) → *kāśmarī*. *Gmelina arborea* Linn., [GVDB: 412, 96–97 : 89](#)
- maloo creeper (*aśmantaka*) T. B. Singh and Chuneekar ([GVDB: 27](#)) note that this is the name of two different drugs, *Piliostigma malabaricum* (Roxb.) Benth. or *Phanera vahlii*. (Wight & Arn., 1834) Benth. (non-lactiferous), and *Ficus cordifolia* Roxb. (lactiferous). I have selected *P. vahlii* in this context because of its abundance in S. Asia and its Himalayan and Nepalese distribution : 207, 221
- mango (*āmra*) *Mangifera indica* Linn. [GVDB: 37 : 110, 152, 207, 222, 256](#)
- mangosteen (*amla*) *Garcinia pedunculata* Roxb. ex Buch.-Ham. See [GVDB: 20–21 : 204, 240](#)
- marking-nut tree (*aruṣkara*) see [marking-nut tree \(*bhallātaka*\) : 161, 340](#)
- marking-nut tree (*bhallātaka*) *Semecarpus anacarium*, L. See [NK: 1, #2269, AVS: 5, 98, ADPS: 85–86, GVDB: 23, 283 : 121, 155, 349](#)
- marsh barbel (*ikṣuraka*) *Hygrophila auriculata* (Schumach.) Heine (syn. *Asteracantha longifolia* (L.) Nees.), [GVDB: 42–43 : 222](#)
- medhshingi (*vijayā-poison*) *Dolichandrone falcata* (Wall. ex DC.) Seem. This identification is tenuous. The *Sauśrutaniḥṣaṇṭu* gives a number of synonyms for *vijayā* (Suvedī and Tivārī 2000: 5.77, 10.143). But one of them, *viṣāṇī* (also *meṣaśṛṅgi*), is sometimes equated with *Dolichandrone falcata* (DC.) Seemann, [GVDB: 373 f; ADPS: 518](#), a plant used as an abortifacient and fish poison ([NK: #862](#)) : 160, 161
- migraine tree (*agnimantha*) *Premna corymbosa*, Rottl. See [AVS 1927, ADPS: 21, NK: 1, #2025, AVS: 4, 348; GJM1: 523](#) = *P. integrifolia/serratifolia*, [L: 168, 341](#)
- milk-white (*kṣīraśuklā*) An unidentified plant. [GVDB: 126](#): see [purple roscoeia](#) and [giant potato : 59, 353](#)
- monkey (?) (*markaṭa*) T. B. Singh and Chuneekar ([GVDB: 299](#)) said of *markaṭa*, “an unidentified vegetable poison.” Cf. Suvedī and Tivārī 2000: v.36 for synonyms that lead to the non-toxic jujube tree : 164
- mountain gardenia (*karaghāṭa*) synonym for [mountain gardenia \(*karaghāṭaka*\)](#) and probably [mountain gardenia \(*karahāṭa*\)](#), q.v., [GVDB: 74 : 160, 350](#)
- mountain gardenia (*karaghāṭaka*) see [mountain gardenia \(*karahāṭa*\) : 161, 221, 349](#)
- mountain gardenia (*karahāṭa*) *Ceriscoides turgida* (Roxb.) Tirveng. (syn. *Gardenia turgida*), following the suggestion of [GVDB: vi, 77](#) made partly on the basis of local knowledge in U. P. The ripe fruit of *C. turgida* is

- poisonous. Other authors suggest identity with **emetic nut** (*madana*), q.v. T. B. Singh and Chunekar (GVDB: 74, 77–78) noted that *karahāṭa* may be a synonym for **mountain gardenia** (*karaghāṭa*) : 160, 349
- mountain gardenia (*karaṭā*) see **mountain gardenia** (*karaghāṭa*), as read for *karaṭā* in the vulgate text of SS 5.2.5. Not in GVDB as such. This poisonous root cannot at present be securely identified, although mountain gardenia has poisonous fruits. Monier-Williams et al. (MW: 255) cite an unknown lexical source that equates *karaṭa* (mn.) with safflower (*Carthamus tinctorius*, L.), but this plant does not have a poisonous root either : 160
- muddy (?) (*kardama*) unknown. : 162, 163
- mulberry (*kramuka*) probably the **mulberry** (*tūda*); see discussion by T. B. Singh and Chunekar (GVDB: 122) : 206
- mulberry (*tūda*) *Morus indica* L., GVDB: 189 : 350
- mung beans (*mudga*) *Phaseolus radiatus* L. GVDB: 310–311 : 125, 128, 263
- mung beans (*māṣaka*) *Phaseolus mungo* Linn. GVDB: 308 : 153
- munj grass (*nārācaka*) *Saccharum bengalense*, Retz.?. See NK: 1, #2184 : 161
- munj sweetcane (*muñja*) *Tripidium bengalense* (Retz.) H.Scholz., GVDB: 309, 391. Synonym of **munj sweetcane** (*śara*) : 245
- munj sweetcane (*śara*) *Tripidium bengalense* (Retz.) H.Scholz., GVDB: 309, 391 : 350
- musk mallow (*latākastūrikā*) *Abelmoschus moschatus* Medik., GVDB: 348 : 350
- musk mallow (*ullaka*) **kutki** (*kaṭukā*) or **musk mallow** (*latākastūrikā*), according to GVDB: 54; I have chosen the latter identity since *A. moschatus* can cause phototoxic dermatitis (Diedrich et al. 2024: 621) : 350
- musk mallow (*ullika*) see **musk mallow** (*ullaka*) : 161
- myrobalan (*abhayā*) *Terminalia chebula*, Retz. See ADPS: 172, NK: 1, #2451, Potter_{rev}: 214 : 116, 168, 177
- myrobalans (*pathyā*) *Terminalia chebula* Retz. See NK: 1, #2451 : 256
- natron (*suvarcikā*) Sodium carbonate. NK: 2, #45. Ḍalhaṇa identifies *suvarcikā* with *svarjikṣāra* 4.8.50 (Su 1938: 441) : 132, 169, 205
- neem (*picumarda*) see **neem tree** (*nimba*), GVDB: 247–248 : 221
- neem tree (*nimba*) *Azadirachta indica* A. Juss., GVDB: 226 : 56, 314, 350
- 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 Chunekar (GVDB: 108) added that it could be a variety of rice, *ṣaṣṭika dhānya* : 176
- nutgrass (*mustaka*) *Cyperus rotundus*, L. See ADPS: 316, AVS: 2, 296, NK: 1, #782 : 162, 163
- nutgrass (*mustā*) *Cyperus rotundus*, L. See ADPS: 316, AVS: 2, 296, NK: 1, #782 : 350
- odal oil plant (*iṅgudi*) see **odal oil plant** : 214
- odal oil plant (*iṅgudī*) Kirtikar et al. (K&B: 5, 79) also firmly identify *iṅgudī* as *Sarcostigma kleinii* Wight & Arn., a liana well known in the Western Ghats and widely used in āyurveda, including for skin diseases. Balanites agyptiaca (L.) Delile, GVDB: 43 is an African plant and unlikely to be the original āyurvedic *iṅgudī*. : 350
- oleander spurge (*mahāvṛkṣa*) see **oleander spurge** (*snuhī*), GVDB: 302–303 : 221
- oleander spurge (*nandā*) see **oleander spurge** (*snuhī*), GVDB: 215 : 355

- oleander spurge (*snuhā*) see [oleander spurge](#) (*snuhī*) : [121](#), [162](#), [215](#)
- oleander spurge (*snuhī*) Euphorbia neriifolia, L., or E. antiquorum, L. See [ADPS](#): 448, [AVS](#): 2, 388, [AVS](#): 3, 1, [NK](#): 1, #988, [IGP](#): 457b. T. B. Singh and Chuneekar ([GVDB](#): 459) discuss the two varieties distinguished by Caraka on the basis of their spines. Euphorbia all share the feature of having a poisonous, latex-like sap : [350](#), [351](#), [355](#)
- orchid tree (*kovidāra*) Bauhinia purpurea Linn. or B. variegata Linn. (probably the former), [GVDB](#): 120, [AVS](#): 1, 256–260. The fruit of *kovidāra* is contrasted with the mango in Patañjali's *Mahābhāṣya* (on P1.2.45, varttika 8) : [200](#)
- paddy rice (*śālī*) Oryza sativa, Linn. [GVDB](#): 395–396 mentioning 33 Sanskrit sub-variety names; [AVS](#): 4, 193 : [43](#), [353](#)
- painted uraria (*prṣṇaparṇikā*) see [painted uraria](#) (*prṣṇaparṇī*) : [244](#)
- painted uraria (*prṣṇaparṇī*) Uraria picta (Jacq.) Desv. ex DC. and U. lagopoides DC are both to be used for this plant according to [GVDB](#): 257–258. See also [IHR](#): 188–190 : [216](#), [351](#)
- pale Java tea (*arjaka*) Orthosiphon pallidus Royle ex Benth., [GVDB](#): 24, based on Ḍalhaṇa's descriptions, and by Sharma [1982](#): 127, #60. But Ocimum basilicum L., according to [AVS](#): 4, 160 : [224](#)
- 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 : [168](#), [345](#)
- peas (*hareṇu*) Pisum sativum, L. T. B. Singh and Chuneekar ([GVDB](#): 419–420, 467–468) note that two plants are usually meant under this name, but there is no agreement on the identity of the second. Synonym of [peas](#) (*satīna*). [GVDB](#): 468 make an argument for Symphorema polyandrum Wight : [126](#), [168](#), [169](#), [177](#), [206](#), [245](#), [256](#), [351](#), [352](#)
- peas (*hareṇukā*) see [peas](#) (*hareṇu*) : [224](#)
- peas (*satīna*) see [peas](#) (*hareṇu*), [GVDB](#): 419–420 : [351](#)
- peepul tree (*aśvattha*) Ficus religiosa, L. See [ADPS](#): 63. Known to ancient Greek authors (Ball [1888](#): 338–339) : [179](#)
- periploca of the woods (*meṣaśṛṅga*) Gymnema sylvestre (Retz.) R. Br. See [AVS](#): 3, 107, [NK](#): 1, #1173 : [155](#)
- phalsa (*parūṣaka*) Grewia asiatica Linn., [GVDB](#): 238 : [90](#)
- plants like asthma plant and Gulf sandmat (*dugdhikā*) synonym of [plants like asthma plant and Gulf sandmat](#) (*kṣīriṇī*), [GVDB](#): 204–205, 127 : [351](#)
- 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) : [345](#), [351](#)
- plants like asthma plant and Gulf sandmat (*yavaphalā*) synonym of [plants like asthma plant and Gulf sandmat](#) (*dugdhikā*), and [plants like asthma plant and Gulf sandmat](#) (*kṣīriṇī*), q.v., [GVDB](#): 327, 127 : [224](#)
- plumed cockscomb (*indīvara*) Uncertain; possibly Celosia argentea Linn. (which is not toxic). But see the useful discussion in [GVDB](#): 44–45. Possibly another name for [an aroid](#) (*karambha*), q.v. : [334](#)
- pointed gourd (*paṭola*) Trichosanthes dioica, Roxb., [GVDB](#): 232–233 : [126](#), [168](#), [335](#)

- poison-altar (?) (*viṣavedikā*) Unknown.
Possibly, at a guess, **strychnine tree** (*viṣamuṣṭika*)? **GVDB**: 373 Or **Indian aconite** (*viṣā*) : 161
- poison-leaf (*viṣapatrikā*) Name from etymology. Perhaps the “leaf of **Indian aconite** (*viṣā*)” (but that is feminine). Cf. **GVDB**: 373, “unidentified” : 161
- pollen (*reṇukā*) An unidentifiable plant. Perhaps a misreading for **peas** (*hareṇu*), although this is a long shot. T. B. Singh and Chuneekar (**GVDB**: 339) suggest, on no authority, the synonyms *vrkṣaruhā*, *māmīsarohiṇī*, or *durvā*, none of which help : 161, 345
- pomegranate (*dāḍima*) *Punica granatum* Linn. **GVDB**: 201–202 : 89, 90, 131, 132, 207, 216
- 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. : 169
- pondweed (*śevāla*) *Zannichellia palustris* L. See **horned pondweed** : 41, 42
- pongame oiltree (*karañja*) see **pongame oiltree** (*karañjikā*) : 133, 216, 245
- pongame oiltree (*karañjikā*) T. B. Singh and Chuneekar (**GVDB**: 74–76) discuss complications, but probably *Pongamia pinnata* (L.) Pierre in *Suśrutasamhitā* 5.6.3 : 222, 352
- powdered ruffle lichen (*śaileya*)
Parmotrema perlatum (Huds.)
M.Choisy (1952), although there are some inconsistencies in groups and synonyms. See **GVDB**: 408–409, **AVS**: 4, 222–225. The plant has a notably complex taxonomic history : 224, 352
- powdered ruffle lichen (*śaileyaka*) see **powdered ruffle lichen** (*śaileya*) : 205
- prickly amaranth (*taṇḍulīyaka*)
Amaranthus spinosus L. See **GVDB**: 174, **Dutt**: 321, **NK**: 1, #144, **Potter_{rev}**: 15. Cf. **AVS**: 1, 121. Amaranth (etym. *amṛta*!) is a large family, many originally endemic to S. America. *A. hypochondriacus* L. is sometimes identified with *taṇḍulīyaka*, but *A. spinosus* L. is better known and attested in S. Asia in the first millennium BCE (Saraswat 1991). See also **WEP**: 45 : 153, 214, 217, 222, 334
- prickly chaff-flower (*apāmārga*)
Achyranthes aspera, L. See **GVDB**: 14, **GJM1**: 524 f, **AVS**: 1, 39, **ADPS**: 44 f, **AVS**: 3, 2066 f, **Dymock**: 3, 135 : 55, 59, 125, 223, 245, 352
- prickly chaff-flower (*vasira*) also *vaśira*. Perhaps *Achyranthes aspera*, L. **GVDB**: 362 describes several possible identities, including *sūryāvarta*, **prickly chaff-flower** and *markaṭatṛṇa*. See also *vasukavasira* (**GVDB**: 363) : 90
- prickly-leaved elephant’s foot (*gojihvā*)
syn. *gojī*. *Elephantopus scaber*, L. See **AVS**: 2, 357. T. B. Singh and Chuneekar (**GVDB**: 145–146) argue that *gojihvā śāka* is *Launaea asplenifolia* (Willd) Hook. f. (creeping *Launaea*), a plant with Himalayan to SE Asian distribution : 352
- prickly-leaved elephant’s foot (*gojī*)
T. B. Singh and Chuneekar (**GVDB**: 145–146) observe that this plant name is unique to the *Suśrutasamhitā*. Since the usage is similar to that of **prickly-leaved elephant’s foot** (*gojihvā*), q.v., it is almost certain to be the same plant. : 222
- products of the wood-apple (*kāpitta*) a reading in the Nepalese MSS for **products of the wood-apple** (*kāpittha*), q.v. : 217
- products of the wood-apple (*kāpittha*) relating to or derived from the **wood-apple** (*kapittha*) : 352
- purging nut (*dravanti*) *Jatropha curcas*, L.

- See [AVS](#): 3, 261, [NK](#): 1, #1374. A.k.a. *mūṣikaparṇī*. But *J. curcas* is a New World species: [353](#)
- purging nut (*mūṣikā*) *Jatropha curcas*, L. See [AVS](#): 3, 261, [NK](#): 1, #1374: [155](#)
- purging nut (*putraśreṇī*) Commonly identified as [croton tree](#) (*nāgadantī*), [GVDB](#): 253 “a variety of [red physic nut](#) (*dantī*).” But it appears in a list with *nāgadantī* at *Suśrutasaṃhitā* 5.6.3, and *Ḍalhaṇa* identified it there as [purging nut](#) (*dravantī*): [222](#)
- purging nut tree (*mūṣikakarṇī*) *Jatropha curcas*, L. [AVS](#): 3, 261, [NK](#): 1, #1374, [GVDB](#): 317. [GVDB](#): 317; [ADPS](#): 23–25 discuss this issue well: [153](#), [154](#)
- purple calotropis (*arka*) *Calotropis gigantea*, (L.) R. Br. See [ADPS](#): 52, [AVS](#): 1, 341, [NK](#): 1, #427, [Potter_{rev}](#): 57, [Chopra IDG](#): 305–308: [50](#), [59](#), [121](#), [160](#), [200](#), [219](#), [221](#), [244](#)
- purple fleabane (*somarājī*) see [scurfy pea](#) (*bākucī*), but [GVDB](#): 455–456 note that two areas of therapy (antitoxin, antileucoderma) may point to two plants being used under this name or a different plant with two active ingredients. A particular candidate is *Baccharoides anthelmintica* (L.) Moench.: [224](#)
- purple roscoea (*kṣīrakākālī*) [GVDB](#): 89 notes that many physicians use *Roscoea procera* Wall. in this context. But the identification is uncertain. Possibly connected to [milk-white](#) or [giant potato](#): [125](#), [345](#), [349](#)
- radish (*mūlaka*) *Raphanus sativus*, L. See [NK](#): 1, #2098: [130](#), [162](#), [164](#)
- rajmahal hemp (*moraṭa*) → *mūrvā*, *Marsdenia tenacissima* (Roxb.) Wight et Arn. Good discussion at [GVDB](#): 314–316, 324: [168](#)
- rajmahal hemp (*mūrvā*) *Gongronemopsis tenacissima* (Roxb.) S.Reuss, Liede & Meve (= *Marsdenia tenacissima* (Roxb.) Moon), [GVDB](#): 314–316. One of the twenty-two drugs in the group *madanādi*. T. B. Singh and Chuneekar and [ADPS](#): 310–313 discuss the long controversy about the identity of this plant. *Sansevieria roxburghiana* Schult. & Schult.f. (“Indian bowstring hemp”) was preferred by Meulenbeld ([GJM1](#): 590) and the sources he cited, including [NK](#): 1, #2216, [K&B](#): 4, 2457; [ADPS](#): 310 mention this identity as being local to Bengal, but note that the plant is not a creeper: [128](#), [341](#)
- rattan (*vetra*) *Calamus rotang*, L. See [AVS](#): 1, 330, [NK](#): 1, #413. T. B. Singh and Chuneekar ([GVDB](#): 381) prefer *C. tenuis*, Roxb., which is also native to S. and S.E. Asia: [346](#)
- realgar (*manaḥśīlā*) *Arsenii disulphidium* [NK](#): 2, #11: [246](#), [256](#)
- red gourd (*bimbī*) *Coccinia indica*, W. & A. See [PVS](#) 1994.4.715; [NK](#): 1, #534: [152](#)
- red ochre (*gairika*) Hellwig [2009](#): 140–141. [NK](#): 2, #40; the same source, at #6, gives kaoolinum or china clay: [169](#), [205](#), [207](#), [224](#), [256](#), [257](#)
- red physic nut (*dantī*) *Baliospermum solanifolium* (Burm.) Suresh, [GVDB](#): 200: [119](#), [162](#), [217](#), [222](#), [353](#)
- resin of white dammer tree (*sarjarasa*) [GVDB](#): 424–425. See [white dammer tree](#) (*sarja*): [128](#), [224](#)
- rice grains (*taṇḍula*) *Oryza sativa*, Linn. Same as [paddy rice](#) (*śālī*) [GVDB](#): 174; or just “grains”: [43](#)
- rice-grain chaff (*śālitaṇḍulakāṇḍana*) See [chaff](#): [43](#)
- rosha grass (*dhyāmaka*) *Cymbopogon martinii* (Roxb.) Wats. See [AVS](#): 2, 285, [NK](#): 1, #177: [169](#), [205](#), [224](#)
- royal jasmine (*mālatī*) *Jasminum grandiflorum*, L. See [NK](#): 1, #1364, [ADPS](#): 285–288: [153](#), [353](#)
- royal jasmine (*sumanā*) see [royal jasmine](#) (*mālatī*), [GVDB](#): 437: [224](#)

- sacred fig (*pippala*) *Ficus religiosa* L.,
GVDB: 248 etc. : 246, 247
- sacred lotus (*kamala*) *Nelumbo nucifera*,
Gaertn., GVDB: 73–74, Dutt: 110, NK: 1,
#1698 : 348, 354
- sacred lotus (*padma*) see [sacred lotus](#)
(*kamala*), GVDB: 235–236 : 41, 110, 126,
153, 224, 245, 359
- safflower (*kusumbha*) *Carthamus tinctorius*
L. GVDB: 113 : 240, 249
- saffron (*bāhlīka*) syn. of [saffron](#) (*kuṅkuma*),
q.v., GVDB: 273–274 : 222
- saffron (*kuṅkuma*) *Crocus sativus* Linn.,
GVDB: 100. On the history of
confusions between saffron and
turmeric, see Cox 2011 : 217, 354
- sage-leaved alangium (*aṅkolla*) *Alangium*
salvifolium (Linn. f.) Wang.,
GVDB: 5–6. See also AVS: 1, 77; cf.
NK: 1, #88 : 152, 207, 214, 217, 354
- sage-leaved alangium (*aṅkoṭha*) see
[sage-leaved alangium](#) (*aṅkolla*) : 221
- sal group of trees (*śālasārādi*) *śālasārādi* is a
group (*gaṇa*) of twenty-three trees
listed at 1.38.8–9 (Su 1938: 165),
Mahākośa: 1, 898 : 90
- sal tree (*śālā*) *Shorea robusta*, Gaertn.f. See
AVS: 5, 124 : 256
- sandalwood (*candana*) *Santalum album*, L.
See ADPS: 111, NK: 1, #2217. See
GVDB: 152–153 for discussion of types,
including white and red (*Pterocarpus*
santalinus (L.f.)) : 91, 126, 128, 169, 200,
206, 224, 245, 246, 359
- sandan (*tiniśa*) *Ougeinia oojensis*
(Roxb.) Hochr. GVDB: 181, q.v. for
discussion about whether *tiniśa* and
syandana are to be separated. If other
trees are in the frame for either name,
T. B. Singh and Chuneekar (GVDB)
suggest *Lagerstroemia parviflora*
Roxb. (*sidhraka/siddhaka*) and L.
flos-reginae Retz. (*jārula* by some). See
GVDB: 432 : 221, 224, 346
- sappanwood (*pattāṅga*) Also *pattāṅga*.
Caesalpinia sappan, L. AVS: 1, 323,
K&B: 2, 847 f, GVDB: 234 : 50, 60
- scarlet mallow (*bandhujīva*) *Pentapetes*
phoenicea, L. NK: #1836, GVDB: 268 :
154
- scented pavonia (*bālaka*) *Pavonia odorata*,
Willd. See ADPS: 498, NK: 1, #1822. But
GVDB: 273 argue for *Coleus*
vettiveroides K.C.Jacob; see [coleus](#)
(*hrīvera*) : 169, 338
- scented pavonia (*toya*) → *bālaka*? *Pavonia*
odorata, Willd. ADPS: 498, NK: 1,
#1822 : 224
- scramberry (*tālīsapatra*) see [scramberry](#)
(*tālīśa*) : 224
- scramberry (*tālīśa*) T. B. Singh and
Chuneekar (GVDB: 179, 458–459)
discusses the several identifications
and regional differences in identifying
this plant. *Taxus baccata* Linn. is a
common candidate, as is *Flacourtia*
jangomas (Lour.) Raeusch.
(*scramberry*) : 126, 257, 354
- screw-pine (*ketaka*) *Pandanus odorifer*
(Forssk.) Kuntze, GVDB: 116 (not *P.*
tectorius that is from eastern
Indonesia–PNG–Australia) : 334
- scurfy pea (*bākucī*) Identified as *Cullen*
corylifolia (L.) Medik. ADPS: 69–70,
GVDB: 272 : 353
- scutch grass (*granthilā*) see [durva grass](#)
(*dūrvā*), *Mahākośa*: 1, 303, citing the
Rājanighaṇṭu. It should be an aromatic
in this context. Monier-Williams
et al.: 371 said “two kinds of *Dūrvā*
grass and of a kind of *Cyperus*” on
lexical authority, perhaps also the
Rājanighaṇṭu where it is listed amongst
sweet-smelling plants. Other sources
identify it as *Cissus quadrangularis*, L.,
i.e., Veldt grape (Ś. Gupta 1887: 272), or
[Bengal quince](#) (*bilva*) : 224
- sedge (*kuṭannaṭa*) → *plava*, *tagara*, or
śyonāka, according to commentators
(GVDB: 102–103). T. B. Singh and

- Chunekar leans towards the *plava*, but that plant too is difficult to identify. Various sources identify *kuṭannaṭa* as *Cyperus rotundus* L., *C. scariosus* R. Br., *Oroxylum indicum* (L.) Benth. ex Kurz (= *Bignonia Indica* L.) or even *Cinnamomum verum* J.Presl. The *Cyperus* genus comprises about 700 species of sedges, and I have chosen “sedge” as a generic indication of the likely identity of this plant: 205, 355
sedge (*kuṭannaṭa*) see [sedge](#) (*kuṭannaṭa*): 224
- sesame (*tila*) *Sesamum indicum* L.
GVDB: 183. Known to ancient Greek authors (Ball 1888: 344): 224, 225
sesame oil (*taila*) *Sesamum indicum* L.
GVDB: 183: 59, 200
- shami tree (*śamī*) *Prosopis cineraria* (L.) Druce GVDB: 390: 221, 337
- sickle senna (*cakramarda*) *Senna tora* (L.) Roxb. GVDB: 150: 240
- silk-cotton tree (*śālmālī*) *Bombax malabarica*. See [Issar](#): 152: 224
- siris (*śirīṣa*) *Albizia lebbek*, Benth. See [AVS](#): 1, 81, [NK](#): 1, #91, GVDB: 399–400. Cf. [white siris](#): 168, 200, 214, 215, 217, 223, 224, 240, 245, 256, 359
- siris seeds (*śirīṣamāṣaka*) *Albizia lebbek*, Benth. See [AVS](#): 1, 81, [NK](#): 1, #91: 152, 215
- small-flowered crape myrtle (*sidhraka*) *Lagerstroemia parviflora* Roxb., GVDB: 432: 175
- smooth angelica (*coraka*) *Angelica glauca* Edgw. GVDB: 161. Distribution: Afghanistan, Himalaya, western Tibet (POWO). Edgeworth even recorded the indigenous name “chura” (Edgeworth 1851: 53): 207, 222, 355
- smooth angelica (*taskara*) see [smooth angelica](#) (*coraka*), GVDB: 176: 224
- snake mallow (*nāḡabalā*) perhaps *Sida veronicaefolia* Lam.; see GVDB: 221 for discussion: 125
- 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): 160
- spikenard (*jaṭā*) see [spikenard](#) (*jaṭāmāṃsī*): 215, 224
- spikenard (*jaṭāmāṃsī*) *Nardostachys jatamansi* (D.Don) DC, GVDB: 163. See also [NK](#): 1, #1691. Known to ancient Greek authors (Ball 1888: 343–344): 355
- spikenard (*māṃsī*) see [spikenard](#) (*jaṭāmāṃsī*): 169, 206, 224
- spikenard (*nalada*) see [spikenard](#) (*jaṭāmāṃsī*): 150, 206, 224, 245
- spiny bitter gourd (*karkārūka*) *Momordica cochinchinensis* (Lour.) Spreng., (Thunb.) Cogn. See [AVS](#): 2, 1135, [IGP](#) 754 (or *Benincasa hispida*? [AVS](#): 2, 1127; cf. [AVS](#): 1, 261). *M. cochinchinensis* has poisonous seeds ([NEH](#): 279): 341
- spurge (*nandanā*) an unknown poisonous plant, a.k.a. (equally obscurely) *udīmānaka*, GVDB: 215 (where it is m.). Perhaps a synonym of [oleander spurge](#) (*snuhī*), like [oleander spurge](#) (*nandā*): 161
- spurge (*saptalā*) T. B. Singh and Chunekar (GVDB: 421–422) discuss the four candidates for this plant, three of which are *Euphorbias*: 130, 207
- strychnine tree (*viṣamuṣṭika*) *Strychnos nux vomica* Linn., GVDB: 373: 352
- sugar (*sitā*) *Ḍalhaṇa* makes this equation at 1.37.25 ([Su](#) 1938: 162): 169, 206
- sugar (*śarkara*) *Saccharum officinarum*, Linn. [NK](#): #2182: 156
- sugar cane (*ikṣu*) *Saccharum officinarum*, Linn. [NK](#): #2182: 156
- sunflower (*sūryavallī*) → *ādityavallī*, *sūryamukhī*, *Helianthus annuus* Linn. GVDB: 35, 443: 168
- sweet flag (*vacā*) *Acorus calamus* Linn. See

- GVDB: 352–355 : 125, 132, 222
sweet plants (*madhuravarga*) The sweet plants are enumerated at *Suśrutasaṃhitā* 1.42.11. See also GVDB: 127 : 59
- sweet-scented oleander (*aśvamāraka*) Nerium oleander, L. See ADPS: 223, NK: 1, #1709, GVDB: 77, which discusses the white and red forms. The roots are highly toxic, as are most parts of the plant, (Pillay and Sasidharan 2019) : 160
- tall reed (*nala*) Phragmites karka (Retz.) Trin. ex Steud, GVDB: [217] : 125, 126, 245
- taro (*piṇḍāluka*) conjecturally Colocasia esculenta (Linn.), GVDB: 248. A member of the *āluka* group, ibid. : 334
- teak (*śāka*) Tectona grandis, L.f. See AVS: 5, 245, (MW: 1061) : 221
- Tellicherry bark (*kuṭaja*) Holarrhena pubescens Wall. ex G.Don, with Wrightia tinctoria and W. arborea considered GVDB: 101–102, ADPS: 267–270 : 121, 221, 340
- ten roots (*daśamūla*) Described at *Suśrutasaṃhitā* 1.38.70–71 (Su 1938: 169) as a combination of the lesser five roots and the greater five roots : 340
- the four *jāta* drugs (*caturjāta*) a group of four drugs, cinnamon (*tvac*), malabathrum (*patra*), cardamom (*elā*), and ironwood tree (*nāgakeśara*) GVDB: 152 : 356
- the four *jāta* drugs (*caturjātaka*) see the four *jāta* drugs (*caturjāta*) : 240
- the three myrobalans (*triphalā*) chebulic myrobalan beleric myrobalan and emblic myrobalan (*haritakī bibhītaka* and *āmālaka*) One of the most-often mentioned drugs in the Bṛhatrayī GVDB: 194–196 : 119, 205, 206, 215, 217, 335
- the three pungent drugs (*kaṭutrika*) see the three pungent drugs (*trikaṭu*) : 217, 224
- the three pungent drugs (*trikaṭu*) dried ginger, long pepper, and black pepper (*śuṇṭhī*, *pippalī*, and *marica*) GVDB: 193 : 205, 356
- the three pungent drugs (*vyoṣa*) see the three pungent drugs (*trikaṭu*), GVDB: 382–383 : 216, 240
- the two types of clitoria (*śvete*) see white clitoria (*śvetā*) : 224
- the two types of turmeric (*haridre*) see turmeric (*haridrā*) and Indian barberry (*dāruharidrā*), GVDB: 465–466 : 224
- 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 : 91, 168
- three-leaved caper (*varuṇa*) *Crataeva magna* (Lour.) DC. See AVS: 2, 202; cf. NK: 1, #696 : 155, 207, 222, 356
- three-leaved caper (*varuṇaka*) see three-leaved caper (*varuṇa*) : 224
- toothbrush tree (*pīlu*) *Salvadora oleoides* Dcne. GVDB: 251. T. B. Singh and Chuneekar also mention *S. persica* L., but that is native to Africa, Syria and the Arabian peninsula (POWO: taxon/urn:lsid:ipni.org:names:779348-1). Also commonly called Vann : 124, 242, 243
- toothed-leaf limonia (*surasī*) *Naringi crenulata* (Roxb.) Nicolson (formerly *Limonia crenulata* Roxb.), GVDB: 439 : 206, 224
- top layer of fermented liquor (*surāmaṇḍa*) K&B: 2, 502, NK: 2, appendix VI, #49, McHugh 2021: 39 : 57, 58
- tree cotton (*kārpāsa*) *Gossypium 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. is

- native to Africa : 56, 357
- tree cotton (*picu*) See [tree cotton](#) (*kārpāsa*) : 58, 60
- tree of heaven (*arala*) probably *Alianthus excelsa* Roxb., [GVDB](#): 21–22 : 221
- turmeric (*gaūrī*) *Curcuma longa*, L. See [ADPS](#): 169, [AVS](#): 2, 259, [NK](#): 1, #750 : 126
- turmeric (*haridrā*) *Curcuma longa* Linn. [GVDB](#): 465. On the history of confusions between saffron and turmeric, see Cox 2011 : 127, 168, 177, 205, 356
- turmeric (*rajanī*) *Curcuma longa*, L. [ADPS](#): 169, [AVS](#): 2, 259, [NK](#): 1, #750 : 42, 169, 206, 217, 240, 244
- turpeth (*trivṛt*) → *trvṛtā*. *Operculina turpethum* (Linn.) Silva Manso = *Ipomoea turpethum* R. Br. [GVDB](#): 197 : 119, 156, 205, 316, 336
- turpeth (*trvṛt*) The common spelling in Nepalese MSS of *trivṛt* : 216, 217
- 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*) : 89
- unknown fruit poison (*veṇuka*) see [unknown fruit poison](#) (*veṇukā*) : 161
- unknown fruit poison (*veṇukā*) *Bambusa bambos*, Druce?. See [NK](#): 1, #307, [GVDB](#): 380. The Nepalese transmission has the m. *veṇuka*, not the f. *veṇukā* T. B. Singh and Chuneekar ([GVDB](#): 380) note that this is an unknown fruit-poison : 357
- velvet bean (*svayaṃguptā*) *Mucuna pruriens* (L.) DC., [GVDB](#): 461, who say that the plant is known in the *Carakasamhitā* but not the *Suśrutasaṃhitā*. Watt ([WattDiet](#): 5, 286) noted that the English names Cowhage or Cowitch are derived from the Hindi name of *M. pruriens*, *Kiwach*, Skt. *kapikacchu*, supported by Yule and Burnell (1903: 268) : 256, 357
- velvet bean (*ārṣabhī*) see [velvet bean](#) (*ṛṣabhī*) and [velvet bean](#) (*svayaṃguptā*). *Mahākośa*: 1, 94, citing the *Rājanighaṇṭu* 3.50, 201 : 215
- velvet bean (*ṛṣabhī*) see [velvet bean](#) (*svayaṃguptā*), [MW](#): 226, [GVDB](#): 56 : 357
- velvet-leaf (*pāṭhā*) *Cissampelos pariera*, L. See [ADPS](#): 366, [NK](#): 1, #592, [GJM](#)1: 573, [AVS](#): 1, 95; cf. [AVS](#): 2, 277 : 50, 91, 116, 132, 168, 205, 206, 342
- velvet-mite (*indragopa*) *Kerria lacca* (Kerr.). Lienhard 1978 : 151
- verbena (*bhārgī*) see [verbena](#) (*bhārrīgī*) : 206, 224
- verbena (*bhārrīgī*) → *phañjī*. *Clerodendrum serratum* (L.) Moon or *C. serratum*; see [AVS](#): 2, 121, [ADPS](#): 87 : 357
- verbena (*phañjī*) *Clerodendrum serratum*, L. See [AVS](#): 2, 121, [ADPS](#): 87 : 154
- vetiver (*uśīra*) *Chrysopogon zizanioides* (L.) Roberty, also called “khus.” [NK](#): 1, #180, [GVDB](#): 54 identify it as vetiver. Commentators normally identify two types of *uśīra*, the other being the same as [lemongrass](#) (*lāmajja*) : 90, 153, 200, 245, 246, 357
- vetiver and lemon grass (?) (*uśīre*) “the two *uśīras*,” perhaps [vetiver](#) (*uśīra*) and [lemongrass](#) (*uśīrabheda*) : 224
- viburnum (*tilva*) see [viburnum](#) (*tilvaka*) : 216
- viburnum (*tilvaka*) *Viburnum nervosum* D.Don. In their thoughtful article, T. B. Singh and Chuneekar ([GVDB](#): 185–186) separate *tilvaka* from *lodhra*, a conflation they attribute to Dṛḍhabala. They identify *V. nervosum* because of its use under a similar local name in Garhwal and Gangotri and the match with its purging properties mentioned in ayurvedic literature.

- AVS: 5, 219 makes the same separation, noting that in Kerala the plant *Jatropha curcas* L. is used. But that is a native of the new world. Cf. many *Viburnum* varieties listed by Griffiths (IGP: 1200 ff.). POWO confirms that *V. nervosum* has an appropriate Himalayan distribution. *Tilvaka* is also sometimes wrongly considered to be a synonym of long-stamen *Wendlandia* (?) (*tilaka*), GVDB: 185–186 : 119, 222, 348, 357, 358
- viburnum extract (*tailvaka*) see *viburnum* (*tilvaka*), GVDB: 185, also a ghee compound of *viburnum* (*tilvaka*) : 256
- ‘Virāṭa’s plant’ (*vairāṭaka*) unknown. See ? : 162, 163
- water hyssop (*brāhmī*) *Bacopa monnieri* (L.) Pennel, GVDB: 281, who describe the substitutes that are mistakenly used in some places : 245
- water snowflake (*kumudavati*) see *water snowflake* (*kumudavatī*) : 161
- water snowflake (*kumudavatī*) This is an unidentifiable plant whose name means, etymologically, “with lilies.” MW: 292 gives *Nymphoides indica* (L.) Kuntze (formerly *Villarsia indica*) on no authority; I have used the common name of *N. indica* as a possibility, but this is not known to be poisonous; on the contrary, it is used medicinally (Khan et al. 2018). *N. indica* is illustrated on p. 6 of the Voynich manuscript. Khan et al. (2018) assert that this is the same plant as *tagara*, although this is not a widely-held view (see *crape jasmine* (*tagara*)) : 161, 338, 358
- watered buttermilk (*udaśvit*) MW: 183 : 152
- wax gourd (*kūṣmāṇḍa*) *Benincasa hispida*, (Thunb.) Cogn. See AVS: 2, 1127; cf. AVS: 1, 261 : 341
- weaver’s beam tree (*mokṣaka*) see *weaver’s beam tree* (*muṣkaka*) : 358
- weaver’s beam tree (*muṣkaka*) *Schrebera swietenoides*, Roxb. See AVS: 5, 88, Lord, NK: 1, #2246, GVDB: 242–243 : 121, 175, 358
- weaver’s beam tree (*pāṭalī*) usually a synonym for *crimson trumpet-flower tree* (*pāṭalā*), but T. B. Singh and Chuneekar (GVDB: 242–243) argue that it is *weaver’s beam tree* (*mokṣaka*) because some authors distinguish two colours (unlike *pāṭalā*) : 121, 221, 224
- weaver’s beam tree (*viśalyā*) *Schrebera swietenoides* Roxb. ← *kuberākṣī*. T. B. Singh and Chuneekar (GVDB: 371) notes that this name is a synonym for many other plants, including *lāṅgālī*, *īndravāruṇī*, *guḍūcī* etc. Ḍalhaṇa identified it with *pāṭalā*, *kāṣṭhapāṭalā*, and *agnīśikhā* tree, all of which may be called *śvetamokṣaka* or *kuberākṣī* : 205
- weevil wort (*tālamūlikā*) GVDB: 178–179 : 358
- weevil wort (*tālapatrī*) → *tālamūlikā*, *weevil wort*, q.v. GVDB: 178 : 207
- white calotropis (*alarka*) *Calotropis procera*, (Ait.) R. Br. See NK: 1, #428, Chopra: 46b, Chopra IDG: 305–308 : 59
- white clitoria (*śvetā*) *Clitoria ternatea*, L. See AVS: 2, 129, NK: 1, #621. GVDB: 416–417 notes that there are two types, *kṣudrā* (white, according to Ḍalhaṇa) and *mahā* (blue, according to Ḍalhaṇa). Sometimes given as a synonym for *winged-stem canscora*, but sometimes as a contrasting plant : 153, 206, 216, 219, 223, 356
- white cutch tree (*somavalka*) *Acacia polyacantha*, Willd. See AVS: 1, 30, IGP 7, GJM1: 602, AVS: 2, 935; pace NK: 1, #1038 : 154, 175
- white dammer tree (*sarja*) *Vateria indica*, L. See NK: 1, #2571, AVS: 5, 349 f, AVS: 1, 292 f, Chopra: 253a. T. B. Singh and Chuneekar (GVDB: 424) discussed whether this term might be broadened

- to any resinous tree and decided against: 50, 89, 353, 359
- white dammer tree (*sarjja*) see [white dammer tree](#) (*sarja*): 221
- white lotus (*puṇḍarīka*) see [sacred lotus](#) (*padma*), GVDB: 252: 164
- white sandalwood (*bhadraśrīya*)
Santalum album Linn. See [white sandalwood](#) (*bhadraśrī*): 126, 224
- white sandalwood (*bhadraśrī*) Santalum album Linn. see [sandalwood](#) (*candana*) GVDB: 152, 282 and *Carakasamhitā* ci.4.102 (Ca 1941: 434) where it is contrasted with *lohitacandana*: 91, 359
- white siris (*jalavetasa*) Ḍalhaṇa (5.8.105 (Su 1938: 592)) thought that this was [Indian willow](#) (*vañjula*), but he noted that Jejjāṭa thought it was *kambukā*, an unidentified plant he interpreted as [white siris](#) (*kiñihī*). AVS: 3, 172–174 identify *jalavetasa* as *Homonoia riparia* Lour., willow-leaved water croton, and include a survey of the confusions about this plant in various texts; they make their judgment about *H. riparia* on the basis of its medical effects. See [siris](#) (*śirīṣa*): 245
- white siris (?) (*kapītana*) T. B. Singh and Chuneekar (GVDB: 72–73) note that this stands for at least two plants, milky and non-milky. For the latter type, they propose *Albizia procera* (Roxb.) Benth., *Thespesia* (hibiscus-like, but not endemic to S. Asia) or *Spondias* (cashew). Six different identifications are made by Monier-Williams et al. (MW: 251), without authority: 221
- white siris (*kaṭabhī*) *Albizia procera* (Roxb.) Benth. or *A. lebeck* (Linn.) Benth. GVDB: 63–64, AVS: 1, 81–84. See [siris](#) (*śirīṣa*): 200, 355
- white siris (*kiñihī*) *Albizia procera* (Roxb.) Benth., GVDB: 98, which also discusses past confusions; NK: 1, #93. See [siris](#) (*śirīṣa*): 168, 206, 245, 359
- white teak (*kāśmarī*) see [white teak](#) (*kāśmarī*): 257
- white teak (*kāśmarya*) see [white teak](#) (*kāśmarī*): 224
- white teak (*kāśmaryā*) see [white teak](#) (*kāśmarī*): 90
- white teak (*kāśmarī*) also *kāśmarya*, *kāśmarī*, *madhuparṇī*. Gmelina arborea, Roxb. See GJM1: 543, Trees: 51, ADPS: 240, GVDB: 96–97: 126, 128, 341, 359
- white teak (*madhuparṇī*) see [white teak](#) (*kāśmarī*): 89
- white water-lily (*kumuda*) *Nymphaea alba*, Linn., GVDB: 105: 41, 110, 224, 340
- white-bark acacia (*arimeda*) *Vachellia leucophloea* (Roxb.) Maslin, Seigler & Ebinger. See AVS: 1, 23, T. B. Singh and Chuneekar (GVDB: 22, 33): 50, 222
- wild asparagus (*bahuputrā*) *Asparagus racemosus*, Willd. See further [wild asparagus](#) (*śatāvarī*) Possibly a syn. for *nandana*. The bark of wild asparagus is toxic: 154
- 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: 124–126, 128, 262, 359
- wild celery (*agnika*) → may be *bhallātaka*, *lāṅgalī*, *ajamodā*, *moraṭa*, or *agnimantha*, GVDB: 4. Uncertain A plant often cited in *Suśrutasamhitā*, but rarely in *Carakasamhitā* (GVDB: 4). Ḍalhaṇa glossed it at 5.2.45 (Su 1938: 566) as *ajamodā* but noted that others consider it to be *moraṭa*. There is considerable complexity surrounding the identification of *moraṭa*/*mūrvā* itself and related synonyms (GVDB: 314–316): 168, 359
- wild celery (*ajamodā*) *Apium graveolens*, L. Sometimes identified with *agnika* ([wild celery](#)), q.v.: 168, 205
- wild Himalayan cherry (*padmaka*) *Prunus*

- cerasoides D.Don, [GVDB](#): 236,
[AVS](#): 4, 353–355. [MW](#): 585 is wide of the
 mark : [126–128](#), [205](#), [206](#), [224](#), [245](#), [246](#)
 wild spider flower (*ajagandhā*) possibly
 Cleome gynandra L. (syn.
 Gynandropis gynandra L.); possibly
 also Basil (Ocimum basilicum Linn. or
 Crested Late Summer Mint (Elsholtzia
 ciliata Willd.) ([GVDB](#): 6). But E. ciliata
 is not native to South Asia : [132](#)
 wild spider flower (*tailaparnika*) see [wild](#)
[spider flower](#) : [224](#)
 wild spider flower (*tilaparnī*) Cleome
 gynandra L., [GVDB](#): 184–185, but see
 the discussion of the other drug plants
 sometimes intended by this name : [360](#)
 wild sugar cane (*kāṇḍekṣu*) Saccharum
 spontaneum L., [GVDB](#): 90 : [89](#)
 wild sugarcane (*kāśa*) Saccharum
 spontaneum L. [GVDB](#): 96 : [125](#), [245](#)
 winged-stem canscora (*giriḥvā*) see
[winged-stem canscora](#) (*girikarṇikā*) :
[206](#)
 winged-stem canscora (*girikarṇikā*)
 sometimes → *śvetā*, in which case
 possibly Clitoria ternatea, L., see
[AVS](#): 2, 129, [NK](#): 1, #621. Since *śvetā*
 and *giriḥvā* are cited as separate
 constituents of one formula (e.g.,
Suśrutasaṃhitā 5.5.75 ([Su 1938](#): 579)
 they cannot be the same plant.
[GVDB](#): 138–139 argued for
 Symphorema polyandrum Wight,
 which they also assigned to *sinduvāra*.
 When discussing *śaṅkhaṇḍī*, another
 possible synonym, Sivarajan and
 Balachandran ([ADPS](#): 425–427) also
 suggest Canscora alata (Roth) Wall.
 (syn of Canscora decussata Schultes &
 Schultes f.) and Convolvulus
 pluricaulis Chois. The former has a
 more appropriate distribution and is
 chosen here : [360](#)
 winged-stem canscora (*giryāhvā*) see
[winged-stem canscora](#) (*girikarṇikā*) :
[358](#)
 Withania (*aśvagandhā*) Withania somnifera
 (L.) Dunal. See [AVS](#): 5, 409 f,
[Dymock](#): 2, 566 f, 150, [GVDB](#): 29,
[Chevallard](#): 152 : [59](#), [120](#), [127](#), [206](#)
 wood-apple (*kapittha*) Limonia acidissima,
 L. See [AVS](#): 3, 327, [NK](#): 1, #1021 : [127](#),
[153](#), [155](#), [207](#), [216](#), [217](#), [221](#), [256](#), [352](#)
 woody turmeric (*kāleyaka*) Coscinum
 fenestratum (Goetgh.) Colebr.,
[GVDB](#): 95. See V. K. Gupta et al.
[2015](#): 173–175 : [224](#)
 woody-fruit jujube (*ghoṇṭā*) Ziziphus
 xylopyrus (Retz.) Willd., [GVDB](#): 149 :
[360](#)
 woody-fruit jujube (*gopaghonṭā*) see
[woody-fruit jujube](#) (*ghoṇṭā*) : [222](#)
 yeast (*kiṇva*) [MW](#): 282, [EWA](#): 1, 350 : [249](#)
 yellow-berried nightshade (*kaṇṭakārī*)
 Solanum virginianum L. (syn. Solanum
 surattense Burm. f. and Solanum
 xanthocarpum, Schrad. & Wendl.)
[GVDB](#): 68–69. See also [IHR](#): 430. A
 component of [lesser five roots](#) : [348](#), [360](#)
 yellow-berried nightshade (*kṣudrā*) see
[yellow-berried nightshade](#) (*kaṇṭakārī*),
[ADPS](#): 100, [NK](#): 1, #2329, [AVS](#): 5, 164 :
[168](#), [169](#)

Fauna

- ant (*pipīlika*) [MW](#): 627 : [235](#)
 arala rat (*arala-animal*) a hapax legomenon
 in Sanskrit, probably a Dravidian loan
 word or cognate from forms like Pengo,
 Maṇḍa, Kuwi etc., *orli*, *urli*, etc.,
[DED₂](#): #994 : [212](#), [215](#)
 arrow-coloured (*śaravarṇa*) unknown frog,
 name from etymology : [234](#)

- aṭakī (*aṭakī*) unknown : 231
- bad-marked rat (*kuliṅga*) etymologically, “having bad-marks” MW: 286, but unidentifiable : 212, 215
- beaked (*tuṇḍikerī*) neologism insect-name based on the etymology of *tuṇḍa*. Probably *tuṇḍikera* and *tuṇḍicela* are variants of the same lexeme. *tuṇḍa* is “Nicht überzeugend erklärt” according to Mayrhofer (EWA: 1, 653), who refers to a possible non-Indo-European origin (ibid. v. 3, 249 on *tundikā*, *tundikerī* refers to plants only). But Burrow 1971: 544 derived the term plausibly from \sqrt{tud} “peck” : 230, 366
- bee (*bhramara*) bee or bumble-bee, MW: 769, etc. : 175, 231
- bee (*makṣikā*) MW: 771. May sometimes refer to a fly : 174, 236
- bee (*śilīmukha*) MW: 1073 : 365
- bhaṭābha (*bhaṭābha*) unknown : 231
- black (*kṛṣṇa-maśaka*) unknown; name based on etymology : 236
- black drongo (*dhūmyāṭa*) Dicrurus adsimilis, Bechstein, Dave 1985: 63, 65, 199 : 150
- black monitor lizard (*kṛṣṇagadhā*) unknown, name from etymology : 231
- black rat (*kṛṣṇa*) perhaps the widespread Black Rat or Common House Rat, Rattus Rattus L., BIA: 210 : 212, 214
- black scorpion (*kṛṣṇa-vṛścika*) unknown; name from etymology. Possibly a Heterometrus, since they are large, black and have low toxicity : 237
- black-beak (*kṛṣṇatuṇḍa*) unknown insect, name based on etymology; MW: 307. But possibly “black-belly” based on the lexeme *tunda*, CDIAL: 1, #5858 : 231
- black-coloured (*kṛṣṇavarṇa*) unknown frog, name from etymology : 234
- black-face (*kṛṣṇamukhā*) an unidentified spider : 244, 247
- brahman woman ant (*brāhmaṇī*) unknown; meaning from etymology : 235
- brown (*kapilā*) unknown; meaning from etymology : 236
- brown rat (*kapila-animal*) name from etymology; unidentified; see tawny rat (*aruṇa*) : 212, 215, 366
- brown scorpion (*śyāva-vṛścika*) unknown; name from etymology : 237
- brown spider (*kapilā-spider*) an unidentified spider : 244, 245
- bull (*vṛṣabha*) MW: 1012, etc. Bos taurus, Linn. : 150
- cavity (*kuhara*) unknown frog, name from etymology : 234
- celestial (*svarga-insect*) unknown insect, name based on etymology : 231
- centipede (*śatapadi*) see centipede (*śatapādaka*) : 175
- centipede (*śatapāda*) see centipede (*śatapādaka*) : 234
- centipede (*śatapādaka*) the name’s meaning is, “hundred-foot” MW: 1049, CDIAL: 1, #12281 : 231, 361
- chital deer (*prṣata*) Axis axis, Erxleben. BIA: 295–296. In *Suśrutasaṃhitā* 5.5.71 (Su 1938: 579) it seems to be specifically the musk that is meant. so the reference may be to the Musk Deer (*Moschus moschiferus* L.). But all species produce musk, so *prṣata* may also be simply Chital or Spotted Deer. See also IW: 93 : 150, 156, 206
- chukar partridge (*cakora*) Alectoris chukar, J. E. Gray, Woodcock 1980: 45, distributed from NW India to Nepal and Assam : 150
- civet (*mārjāra*) BIA: ch. 4 *et passim*, McHugh 2012 : 206
- colourless (*vivarṇā*) unknown; meaning from etymology : 236
- common crane (*kroñca*) Grus grus, Linn., Woodcock 1980: 47, Dave 1985: ch. 62 : 150
- common myna (*sārikā*) see common myna (*śārikā*) : 150
- common myna (*śārikā*) Acridotheres tristis

- tristis, L., etc. See Ali and Ripley 1983: #1006, Dave (1985: 28 ff.), Woodcock (1980: 119): 174, 361
- cone snail (*śambūka*) a bivalve or snail (MW: 1055), but presumably a poisonous one such as the cone-snail: 174
- cook-fish insect (*pākamatsya*) unknown insect, name based on etymology. A kind of fiery insect according to Ḍalhaṇa on 5.3.5 (Su 1938: 567): 174, 231
- cough-spider (*kasānā-spider*) an unidentified spider: 244, 246
- cricket (*uccīṭiṅga*) The suggestion “cricket” is from Assamese *usaṅgā* and Bengali *cuiṅgā*, *ucuṅgā*, CDIAL: 1, #1645, although they are not venomous. Unlikely: a crab, MW: 173. The cricket may appear to have a sting, although it does not Maxwell-Lefroy 1909: 102: 174, 175, 230
- crow-egg (*kākāṇḍā*) an unidentified spider: 244, 247
- dark blue scorpion (*mecaka*) unknown; name from etymology: 237
- deer-foot (*eṇīpadī*) an unidentified spider: 244, 247
- devout (*brahmaṇīkā*) unknown insect, name based on etymology: 231
- dish-creeper (*śarāvākurdi*) unknown insect, name based on etymology. See *śarāvākurda* “creeping among dishes” (MW: 1057), (apparently also the name of a snake): 174
- district (*maṇḍala*) unknown; name based on etymology: 236
- droplet (*bindula*) unknown insect, name based on etymology. Ḍalhaṇa on 5.8.9 (Su 1938: 586) noted that some people read *viluṭa* instead of *bindula*: 231
- drummer (*duṇḍubhaka*) unknown insect, name based on etymology. But may be connected with a variant of *tunda/tunda* “belly” CDIAL: 1, #5858. **tunda-bhaka* might then mean “belly-croaker/puffer”: 231
- elephant (*hastin*) unknown; name based on etymology: 236
- enemy-liquor (*arimedaka*) unknown insect, name based on etymology. Perhaps a variant of *ali*- “bee”, CDIAL: 1, #716 or *āla* “poison” CDIAL: 1, #1352: 174, 231
- fidgety rat (*capala*) from the etymology of the word. Unidentifiable mouse or rat. It is probably too much of a stretch to connect it with Dravidian forms like Kui *superi* “shrew-mouse”, DED₂: #2675: 212, 215
- fierce-purple scorpion (*ugradhūmra*) unknown; name from etymology: 238
- fiery insect (*agnikīṭa*) see fire centipede (*agni-centipede*): 231, 362
- finger-ant (*aṅgulikā*) unknown; meaning from etymology: 235
- fire centipede (*agni-centipede*) unknown insect, name based on etymology. Cf. Marāṭhī *āghī* “a kind of stinging fly” CDIAL: 1, #57: 362
- fire-centipede (*agniprabhā*) uncertain; same as the fire centipede (*agni-centipede*) and cf. fiery insect (*agnikīṭa*): 236
- fire-face (*agnimukhā*) an unidentified spider: 244, 246, 247
- fish-bone (*kaṇṭaka*) MW: 245; cf. *Manu* 8.95 (Olivelle 2005: 172, 677): 175
- five-black (*pañcakṛṣṇa*) unknown, etymologically “five-black”: 231
- five-venom (*pañcālaka*) unknown insect, name based on etymology: 231
- five-white (*pañcaśukla*) unknown, etymologically “five-white”: 231
- fondling rat (*lālana*) based on etymology. An unknown rat or mouse: 212, 214
- frog (*dardura*) frog. CDIAL: 6198 also gives “lizard, chameleon” for Khotanese *dodōr*, though this may be < *dardru*-.: 234
- frown (*bhṛkuṭī*) unknown frog, name from etymology: 234, 236

- gajpipul rat (*vasira-animal*) unknown type of rat or mouse. “*Vasira*,” equated with *gajapippalī* is usually the name of the liana *Scindapsus officinalis* (Roxb.) Schott (GVDB: 132, 362) (see *gajpipul* (*gajapippalī*)). Lianas are known for providing a habitat for many arboreal animals, including rodents. The vulgate *Suśrutasaṃhitā* reads *hamsira* as the name of this rat : 212, 214
- garland-virtue (*mālāguṇī*) an unidentified spider : 244, 247
- goldie (*sauvarṇikā*) an unidentified spider : 244, 246, 247
- grain-coloured (*lājavarṇā*) an unidentified spider : 244, 247
- greenish (*harita-frog*) unknown frog, name from etymology : 234
- grey peacock-pheasant (*jīvajīvaka*)
Polyplectron bicalcaratum, Linn., Dave 1985: 270, 273, 274, 281 : 150
- hairy scorpion (*romaśa*) unknown; name from etymology : 237
- hairy-head scorpion (*romaśīrṣa*) unknown; name from etymology : 238
- horn (*śṛṅga*) see *horned* (*śṛṅgī*). Unknown insect : 175
- horned (*śṛṅgī*) unknown, based on etymology : 230, 363
- hornet (*kaṇabha*) Possibly connected with *kaṇa* “grain of corn or rice” (MW: 245), but more likely a loan word from Dravidian *kaṭampai* etc., “a kind of hornet, wasp” DED₂: #1117 : 174, 231
- house gecko (*grhagolikā*) see *house gecko* (*grhagoḍikā*) : 233
- house gecko (*grhagoḍikā*) MW: 362, CDIAL: 1, #4324. Hemacandra’s *Abhidhānacintāmaṇi* (4.364) mentions that *grhagodhikā* and *grhagolikā* are synonyms (Rādhākānta Deva 1876: 691a, *sub māṇikyā*) : 174, 363
- house shrew (*chuchundara*) *Suncus murinus* (Linnaeus, 1766), Wikipedia, BIA: 168–169 and plate 38. Probably a Dravidian loan word related to Tamil *cunṭaṇ*, “grey musk shrew,” see DED₂: #2661 and CDIAL: 1, #5053 : 212, 215
- hundred-creeper (*śatakurda*) unknown insect, name based on etymology. Cf. *śarāvākurda* “creeeping among dishes” (MW: 1057), apparently also the name of a snake. : 230
- hundred-kulimbhaka (*śatakulimbhaka*) unknown insect class. Perhaps centipedes : 230
- hundred-woody (*śatadārukā*) see *woody* (*dāruka*). MW: 1049 : 174, 367
- iguana (*godheraka*) The गौधेरक is described in the *Carakasamhitā* as a four-legged snake born of a *Indian monitor lizard* that is similar to a black snake and has several species (6.23.134 (Ca 1941: 577)). CDIAL: 1, #4286 identifies this as an iguana : 233, 236, 364
- Indian monitor lizard (*godhā*) *Varanus bengalensis* (Daudin, 1802), Reptiles: 58–60, ill. : 59, 107, 156, 363
- Indian peafowl (*mayūra*) *Pavo cristatus*, Linn., Woodcock 1980: 39 : 150
- Indian red scorpion (*rakta-vṛścika*) name from etymology. Likely to be the *Hottentotta tamulus* (Fabricius, 1798); see Wikipedia contributors 2025a : 238
- invincible rat (*ajita*) etymological meaning; unidentifiable : 212, 215
- kiṭibha (*kiṭibha*) unknown : 231
- koel (*kokila*) *Eudynamys scolopaceus*, Linn., Wikipedia contributors 2025b, Woodcock 1980: 66 : 150
- kokila-insect (*kokila-insect*) unknown : 231
- koṇṭāgīrī (*koṇṭāgīrī*) unknown : 231
- krimikara (*krimikara*) unknown : 231
- kuṣṭa-insect (*kuṣṭa-insect*) unknown : 231
- lac (*lākṣā*) *Kerria lacca* (Kerr.). See GJM1: 445, NK: 2, #32, Varshney 2000. Watt (WattComm: 1053–1066) is characteristically informative, and is

- definite about the antiquity of lac in India. See also Bellini 2025: 135–138: 177, 206, 224
- large Brown rat (*mahākapila*) from the etymology of the name, “large brown,” perhaps a bandicoot: 216
- large gecko (*galagoḍikā*) A poisonous insect, amphibian or reptile described in *Suśrutasaṃhitā* 5.8.29 (Su 1938: 588) as a biting creature that may be white, black, with red stripes or rings or spotted. It is described just after the *iguana*s (*godheraka*) and before centipedes. The name is unstable, e.g., गलगोलिका, गलगोडी, गलगोली. Cf. the remarks on geckos in note 562, p. 174. The similarity of names suggests that a गलगोडिका may be a non-domestic creature that looks similar to a domestic gecko. Cf. other IA parallels at CDIAL: 1, #4324, 4431, which point to a Dravidian origin for the lexeme (DED₂: #1125) and suggests “iguana.” The tokay gecko (*Gekko gecko* (Linnaeus, 1758)) is a large gecko endemic to South Asia having a blue-gray skin with red or orange spots and speckles that may change according to its environment like a chameleon. Tokay geckos, especially males, are aggressive and territorial and can inflict a strong bite. However, many agamids and skinks are also endemic to South Asia, and have markings that could match the description of the *Suśrutasaṃhitā*. See further IW: 40, 135–136; Deuti 2020: 94
- legume-insect (*vaidala*) unknown insect, name based on etymology: 230
- lentil insect (*masūrika-insect*) usually the name of a lentil or the “lentil disease,” namely smallpox. But here, an insect: 230
- little point (*koṭika*) unknown frog, name from etymology: 234, 236
- little rat (*cikkira*) likely related to the Tulu “cikkeli, a small variety of mouse,” and other Dravidian works related to Tamil *cikka* “small,” DED₂: #2495. See also CDIAL: 1, #4779 on *cikka* “mouse or muskrat,” from lexical sources, and #4781 *cikkā* “small” from Drav., Burrow 1948: #141: 212, 214, 215
- little-voice (*alpavāca*) unidentified insect; possibly a wrong reading: 230
- lotus-insect (*padmakīṭa*) unknown insect, name based on etymology: 231
- maggot (*kīra-insect*) unknown insect. See Lahndā, Panjābī, Bengali, Oriya *kīrā*, etc., CDIAL: 1, #3193 and similar forms in Bihārī, Maithilī Bhojpurī, etc. Obviously a variant of *kīṭa*: 231
- maṇḍalapuṣpaka (*maṇḍalapuṣpaka*) unknown: 231
- massage-ant (*saṃvāhikā*) unknown; translation based on etymology: 235
- matt (*aprabha*) unknown frog, name from etymology: 234
- mole-rat (*kokila-animal*) Bandicota bengalensis (Gray & Hardwicke). Etymologically, “brown as a Kokila”. CDIAL: 1, #4324 relates *kokila* to *golaka* but it may more likely be a Dravidian loanword from *koko*, *kogi*, *koki*, meaning “small, little, young” DED₂: 2030. This is possibly supported by Kannada *kok* and Telugu *golatta*, *koku* for the mole-rat, reported by Prater (BIA: 205): 212, 216
- mongoose (*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 IW: 112; BIA: 98–99: 156, 206
- mosquito (*maśaka*) a mosquito, gnat, gadfly or any stinging fly, MW: 793, CDIAL: 1, #9917: 231, 236
- mountainous (*pārvata*) unknown; name based on etymology: 236

- mudfish (*śakalimatsya*) part of a group of similar fish names, including *śākali*, *śakulī*, *śakula*, etc. [CDIAL: #133](#) “*śakula*” says that the cognate Assamese *xāl* is the fish *Ophiocephalus striatus* (now *Channa striata* (Bloch)), which is native to India and SE Asia, and we have followed that suggestion for want of better clues: [175](#)
- myna-face (*śārikāmukha*) unknown insect, name based on etymology, cf. *śāra* etc., [MW: 1066](#); perhaps also cf. *bee* (*śīlimukha*): [230](#)
- nāhana (*nāhana*) unknown: [231](#)
- needle-beak (*sūcītunḍa*) unknown insect or gnat, [MW: 1240](#): [366](#)
- needle-mouth (*sucīmukha*) unknown, etymologically “needle-mouth”: [231](#)
- noseless (*vināsikā*) unknown insect, name based on etymology: [231](#)
- oceanic (*sāmudra*) unknown; name based on etymology: [236](#)
- outsider (*bāhyaka*) unknown insect, name based on etymology: [231](#)
- parakeet (*śuka*) *Psittacula krameri*, Scopoli (or *P. eupatria* or *cyanoccephala*), See [Woodcock 1980: 64](#): [150](#), [217](#)
- picciṭā (*picciṭā*) unknown insect; etymologically perhaps similar to *piccata* “squashed flat” ([MW: 624](#)): [231](#)
- pigeon rat (*kapota-animal*) a rat “like a pigeon;” presumably of grey colour: [212](#), [216](#)
- pitcher-like (*kaunḍinya-insect*) unknown insect, name based on etymology: [231](#)
- pot-nose wasp (?) (*kumbhīnāsa*) unknown insect, name based on etymology. Cf. the forms related to *kumbhakārī* “potters’ wife” at [CDIAL: 1, #3312](#), including Assamese *kumārni* “mason-wasp;” Hindī “wasp-like insect which makes a clay nest”: [367](#)
- pot-turd (*kumbhīvarcas*) unknown insect, name based on etymology (on *-varcas*, see [Mahākośa: 1, 725](#): [231](#)
- pravalāka (*pravalāka*) unknown: [231](#)
- racket-tailed drongo (*bhr̥ṅgarāja*) *Dicrurus paradiseus*, Linn., [Woodcock 1980: 123](#): [150](#)
- rat (*unduru*) Also *undura* or *indūra* in some sources, including the vulgate. A common name for a rat or mouse in many S. Asian languages from Prakrit to contemporary, [CDIAL: 1, #2095](#), [Menon 2014](#), where it is called “house mouse”: [212](#), [216](#)
- red spider (*raktā-spider*) an unidentified spider: [244](#), [246](#)
- red-dweller (*kaṣāyavāsika*) unknown, name from etymology: [231](#)
- red-stripe (*raktarājī*) an unknown venomous insect, [MW: 862](#): [175](#)
- red-toothed shrew (*kaṣāyadanta*) see [red-toothed shrew](#) (*kaṣāyadaśana*): [215](#)
- red-toothed shrew (*kaṣāyadaśana*) from the etymology of the word. Shrews in the genus *Sorex* (as well as others in the subfamily *Soricinae*) have red-pigmented teeth. Species in South Asia include *Hodgson’s brown-toothed shrew* (*Episoriculus caudatus*), the *Himalayan water shrew* (*Chimarrogale himalayica*), the *Assam mole shrew* (*Anourosoricini assamensis*) and the *Giant mole shrew* (*A. schmidi*): [212](#), [365](#)
- revolver (*āvarttaka*) unidentified insect: [230](#)
- river dolphin (*śīsumāra*) *Platanista gangetica* (Lebeck), [BIA: 313–314](#), plate on p. 289, [MW: 1076](#): [225](#)
- rock dove (*pārāvata*) *Columba livia* Gmelin, JF, Dave [1985: 255–256](#): [249](#)
- round-bristle (*ṛttaśūka*) unknown; name based on etymology: [235](#)
- śairyaka-insect (*śairyaka-insect*) unknown: [231](#)
- śambuka (*śambuka*) unknown: [231](#)
- sarṣapaka (*sarṣapaka*) unknown: [231](#)
- scorpion (*ṛścika*) [MW: 1011](#), etc.: [174](#), [237](#)

- scorpion the colour of cow's urine (*gomūtrābha*) unknown; name from etymology : 237
- scorpion-fish (*varakimatsya*) *varaki* in the Nepalese MSS may possibly be an alternant of *wasp* (*varaṭī*). Dalhaṇa on 5.3.5 (Su 1938: 568) remarked that some interpreted *varakimatsya* as two items, "wasp and fish," others as a single one, "wasp-fish"; I have here taken the latter option because the terms always seem to appear together. See also HIML: 1B, 396, note 62 : 174, 175, 367
- she-ass insect (*gardabhi-insect*) unknown insect, name based on etymology : 231
- sheep-insect (*urabhra-insect*) unidentified insect : 230
- slimy (*śleṣmaka-insect*) unknown insect, name based on etymology : 231
- snake-sore (*ahikuttha*) unknown; name based on etymology : 235
- sonny rat (*putraka*) unidentified mouse or rat. Perhaps related to Dravidian forms like Pengo *puṭki*, DED₂: #4257 (itself perhaps just a form related to Tamil *poṭi* "little") : 212, 214
- sore-maker (*kutthuka*) unknown; name based on etymology : 235
- speckle-head (*citraśīrṣa*) see *speckle-head* (*citraśīrṣaka*) : 171, 174
- speckle-head (*citraśīrṣaka*) unknown insect, name based on etymology : 230, 366
- spoṭaka (*spoṭaka*) unknown : 231
- spotted (*paruṣa*) unknown insect, name based on etymology, which could be anything from dirty-coloured, stiff, or rough to shaggy : 230
- spotted scorpion (*paruṣa-vṛścika*) unknown; name from etymology : 237
- stench (*sthālakā*) unknown; translation based on *sthālika*, MW: 1262 : 236
- sting-poison (*alaviṣa*) an unidentified spider : 244, 246
- stripy (*abhirājī*) unknown insect, name based on etymology : 230
- swan (*haṃsa*) *Cygnus olor*, Gmelin, Dave 1985: ch. 84. As Dave says, "a generic term for a large part of the Anatidae family" including Swans, Geese, Ducks and Teals. The term needs to be translated variously according to the geographical context of the usage. In the Himalayan region, "swan" is appropriate, but in more southerly peninsular India, "goose" is more likely. The dogmatism of Vogel 1962 is based on mainly southern observations and temple carvings. The discussion by Dave 1985 is nuanced and accurate : 150
- sweet hoof (*nakha*) *Unguis odoratus* or *Onycha*, McHugh 2013, from which I adopt the name "sweet hoof." See especially McHugh's very interesting discussion about translating this term, pp. 56 ff. See also MW: 524 (on no authority) : 224
- tawny rat (*aruṇa*) from the etymology of the word, perhaps *Rattus norvegicus* (Berkenhout, 1769), which is large, brown and common (it originated in central Asia and (likely) China, not Norway), and perhaps distinguishing it from the "large" brown rat : 212, 216, 217, 361
- thick-head (*sthūlaśīrṣā*) unknown; meaning from etymology : 235
- thin-beak (*sūkṣmatuṇḍa*) an unknown insect; c.f., *beaked* (*tunḍikerī*), *needle-beak* (*sūcītuṇḍa*). MW: 1240 : 175
- three-ring (*trimaṇḍalā*) an unidentified spider : 244
- tick-navel (*uṇḍunābha*) unknown insect; name based on etymology. Etymologically, an insect with an *uṇḍu* for a navel. Conjecturally, perhaps *uṇḍu* is a loan from Tamil *antu* "small grey-winged insect found in stored paddy" (DED₂: #150). Possibly remotely related to Dravidian lexemes

- for “tick,” *uḷuṅgu*, *uḍum*, *urūm*, *uṇṇi*, etc. **DED**₂: #591, #604. The vulgate of the *Suśrutasamhitā* reads **pot-nose wasp** (?) (*kumbhīnāsa*) “pot-nose” in place of this lexeme, q.v.: **230**
- tolaka (*tolaka*) unknown: **231**
- tortoise (*kūrma*) Perhaps Geochelone elegans (Schoepff), **Reptiles**: 30 and plate, **MW**: 1076: **225**
- tuṇḍavakra (*tuṇḍavakra*) unknown: **231**
- tuṅgīnāsa (*tuṅgīnāsa*) unknown: **231**
- urine-poison (*mūtraviṣa*) an unidentified spider: **244, 246**
- vaki fish (*vakimatsya*) an unknown fish. Possibly a lexical variant of **scorpion-fish** (*varakimatsya*), q.v.: **175**
- valabhika (*valabhika*) unknown poisonous insect. Some similar lexemes mean “ridge of a roof, veranda”, **CDIAL**: #11220, which is probably irrelevant: **175, 231**
- variegated scorpion (*karbura*) unknown; name from etymology. Possibly *Isometrus maculatus* (De Geer, 1778), which is brown and spotty: **237**
- viciṭiṅga (*viciṭiṅga*) unidentified insect (not in **MW**): **230**
- warding off (*vāraṇī*) unknown insect, name based on etymology. Cf. Oṛiyā *bāraṇī* “charm against wild animals or noxious insects” **CDIAL**: 1, #11553: **231**
- wasp (*vaiśvambhara*) A variant of **wasp** (*viśvambhara*), q.v.: **231**
- wasp (*varaṭi*) see **wasp** (*varaṭi*): **367**
- wasp (*varaṭi*) **MW**: 923, **CDIAL**: #11313, 11330, etc.: **366, 367**
- wasp (*viśvambhara*) said to be a synonym of *gandholī*, q.v. (**HIML**: 1B, 395, note 59): **174, 235, 367**
- wasp (*vāraṭi*) see **wasp** (*varaṭi*): **175**
- webby spider (*jālinī-spider*) an unidentified spider: **244, 247**
- white frog (*śveta-dardura*) uncertain; name based on etymology: **234**
- white gecko (*śvetā-grhagolikā*) unknown; name based on etymology: **236**
- white rat (*śveta-animal*) from the etymology, perhaps the *Mus musculus*, L., although strictly, they are agouti not white. The whitetailed wood rat (*Madromys blanfordi*, Thomas) is brown but has a distinctive white end to its tail: **212, 216**
- white scorpion (*śveta-vṛścika*) unknown; name from etymology: **238**
- white spider (*śvetā-spider*) an unidentified spider: **244, 245**
- wing-scorpion (*patravṛścika*) unknown insect, name based on etymology: **174, 231**
- woody (*dāruka*) an unknown insect; translation based on etymology. See **hundred-woody** (*śatadārukā*), **MW**: 1049: **363**
- worm-dish (*krimisarāvī*) unknown insect, name based on etymology. *śarāva* “dish, plate, etc.” (**MW**: 1057): **231**
- yellow spider (*pīṭikā-spider*) an unidentified spider: **244, 245**

Minerals

- ashes (*bhasma*) ashes, corrosive when wet: **162**
- cuttle-fish bone (*phenāśma*) Hapax legomenon. Etymologically “foam-stone”. Perhaps cuttlefish bone, or pumice (see Byrski **1981**)? Dutt (**Dutt**: 38–42) conjectured that ‘foam-stone’ may be impure white arsenic obtained by roasting orpiment.: **162**
- gypsum (*godanta*) **NK**: 2, 46, #20: **249**
- orpiment (*haritāla*) Arsenii trisulphidum.

See [NK](#) v. 2, p. 20 ff : [162](#)
rock salt (*saindhava*) See [NK](#): 2, M#48,
[WattComm](#): 963–971 : [42](#), [89](#), [132](#), [205](#),
[240](#), [248](#), [249](#), [256](#), [337](#)

vermilion (*rakta*) speculative, based on
[Mahākośa](#): 1, 667, under *raktadhātu*,
citing the *Dhanvantarīyanighaṇṭu* : [162](#)

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Glossary

ādhmāna - distension: 162
agada - antidote: 167
ajeya - invincible: 169
akhiladehavyāptirūpam - takes the form of
 pervading the whole body: 165
āmāśaya - stomach: 166f
ānāha - constipation: 163, 166, 169
aṅgamarda - bruising of the limbs: 166
añjana - eye salve: 167
annamada - intoxication from food: 166
antidote - *agada*: 167
antra - gut: 167
arocaka - loss of appetite: 166
āśraya - substrata: 159

 be exhausted - *sāda*: 167
 bellyache - *jaṭhara*: 169
 bodily constituents - *dhātu*: 165
 body tissue - *dhātu*: 167
 bruising of the limbs - *aṅgamarda*: 166

 chest - *hṛd*: 167
 chyle - *rasa*: 166
 constipation - *ānāha*: 163, 166, 169
 contamination dropsy - *duṣyodara*: 166
 crow's foot - *kākapada*: 168
 cure - *śiddhi*: 168
 cured - *sādhya*: 170

 dark colour - *dhyāma*: 164
 decoction - *kvātha*: 168
 delirium - *moha*: 162
dhātu - bodily constituents: 165 - body
 tissue: 167 - element: 163 - mineral:
 160, 162
dhyāma - dark colour: 164
 discharge - *praseka*: 163
 disjunction - *viśleṣa*: 166
 distension - *ādhmāna*: 162
doṣa - humour: 165
dūṣī-viṣa - slow-acting poison: 166
dūṣīviṣa - slow-acting poison: 169
dūṣīviṣāri - enemy of slow-acting poison:
 169

duṣyodara - contamination dropsy: 166
 dwindling away - *kṣaya*: 166

 element - *dhātu*: 163
 enemy of slow-acting poison - *dūṣīviṣāri*:
 169
 eye salve - *añjana*: 167

granthi - knots: 164 - lumps: 163
 gruel - *yavāgū*: 168
 gut - *antra*: 167

harṣa - horripilation: 166
 hoarseness - *pāruṣya*: 163
 horripilation - *harṣa*: 166
hṛd - chest: 167
 humour - *doṣa*: 165

 intestines - *pakvādhāna*: 167 - *pakvāśaya*:
 166
 intoxication from food - *annamada*: 166
 invincible - *ajeya*: 169

jaṅgama - mobile: 160
jaṭhara - bellyache: 169

kākapada - crow's foot: 168
kalka - mash: 169
kapha - phlegm: 163, 166f
 knots - *granthi*: 164
koṭha - skin disease: 166
kṣaya - dwindling away: 166
kṣīra - milky sap: 160f, 163
kuṣṭha - pallid skin disease: 166
kvātha - decoction: 168

liṅga - symptoms: 166
 loose stool - *viḍbheda*: 163
 loss of appetite - *arocaka*: 166
 lumps - *granthi*: 163

maṇḍala - round blotches: 166
 mash - *kalka*: 169
 milky sap - *kṣīra*: 160f, 163
 mineral - *dhātu*: 160, 162
 mobile - *jaṅgama*: 160
moha - delirium: 162

nasal medicine - *nasya*: 167
nasya - nasal medicine: 167
niḥkvātha - stewed juice: 168
niryāsa - resin: 160f, 163

pain - *śūla*: 167
pakvādhāna - intestines: 167
pakvāśaya - intestines: 166
pallid skin disease - *kuṣṭha*: 166
parśvabheda - ribs crack: 167
pāruṣya - hoarseness: 163
phlegm - *kapha*: 163, 166f
pith - *sāra*: 160f, 163
pralāpa - ranting: 162
praseka - discharge: 163
pulses - *vega*: 159

rājimat - striped snake: 168
ranting - *pralāpa*: 162
rasa - chyle: 166
required knowledge - *vijñānīya*: 160
resin - *niryāsa*: 160f, 163
ribs crack - *parśvabheda*: 167
round blotches - *maṇḍala*: 166

sāda - be exhausted: 167
sādhya - cured: 170
saindhava - salt: 168
salt - *saindhava*: 168
sāra - pith: 160f, 163
siddhi - cure: 168
side-effects - *upadrava*: 169

skin disease - *koṭha*: 166
sleep - *svāpa*: 162
slow-acting poison - *dūṣī-viṣa*: 166
- *dūṣīviṣa*: 169
stationary - *sthāvara*: 160
stewed juice - *niḥkvātha*: 168
sthāvara - stationary: 160
stomach - *āmāśaya*: 166f
striped snake - *rājimat*: 168
substrata - *āśraya*: 159
śūla - pain: 167
svāpa - sleep: 162
śvāsa - wheezing: 162
symptoms - *liṅga*: 166

takes the form of pervading the whole
body - *akhiladehavyāptirūpam*: 165
toxic shock - *vega*: 158
treatable - *yāpya*: 170

udveṣṭana - writhing: 162
upadrava - side-effects: 169

vega - pulses: 159 - toxic shock: 158
viḍbheda - loose stool: 163
vijñānīya - required knowledge: 160
viśleṣa - disjunction: 166

wheezing - *śvāsa*: 162
writhing - *udveṣṭana*: 162

yāpya - treatable: 170
yavāgū - gruel: 168

Todo list

■ Cite Paul Courtright, Ganesha book.	23
■ Can't be "sedation"	51
■ complete this thought	69
■ add footnote here	70
■ add refs to Divodāsa as king.	70
■ find out about uttarabasti	89
■ Add tr. of 3.2.10.add5–3.2.10.add11	91
■ 29, 30 missing?	93
■ Problematic passage in the edition.	93
■ unsolved problem	98
■ Perhaps <i>kalka</i> here could also mean the <i>Terminalia Bellerica</i> (विभीतक).	118
■ Perhaps <i>kalka</i> here could also mean the <i>Terminalia Bellerica</i> (विभीतक).	118
■ Euphorbia Antiquorum (Antique spurge)	121
■ The webpage https://hindi.shabd.in/vairagya-shatakam-bhag-acharya-arjun-tiwari/post/117629 says that this verse belongs to the <i>Nītiratna</i> . I could not find this text.	125
■ The provisional edition should be modified accordingly.	127
■ There, Ḍalhaṇa commented that deliberation on <i>avapiḍa</i> had been done earlier when it was mentioned. Find that description to know more details.	129
■ Search for the section where the treatment of <i>ākṣepaka</i> is described.	130
■ Make the first letter of sentence capital.	130
■ ?	136
■ ?	136
■ ?	136
■ (?)	136
■ Is Dh. the teacher of Su. elsewhere?	148
■ Cf. Arthaśāstra 1.21.8.	149

■ I'm still unhappy about this verse.	152
■ Mention this in the introduction as an example of the scribe knowing the vulgate.	152
■ fn about sadyas+	152
■ Bear's bile instead of deer's bile.	153
■ punarṇavā in the N & K MSS	154
■ śrita for śṛta	154
■ explain more	154
■ Medical difference from Sharma.	155
■ example where the vulgate clarifies that these should be used separately; appears to be a gloss inserted into the vulgate text. . . .	155
■ 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.	155
■ √ vyadh not √ vedh (also elsewhere and for the ears), causative optative.	155
■ Look up the ca. reference.	164
■ write footnote: don't repeat ativiṣā; vulgate similar to H.	177
■ Include info on hida-2019	183
■ 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?	185
■ grammar	186
■ ri- ṛ-?	189
■ varṇa means "colour" elsewhere?	190
■ write note on pariṣekān pradehāṃś	202
■ where is cutting with a knife related to removing bile or phlegm. . .	256
■ maṣī burned charcoal. Find refs.	256
■ find ref.	262
■ Check out these refs.	262
■ meaning of kalpa	262
■ or a dual?	267
■ See chapter 40 of Sūtrasthāna.	316
■ vasā / medas / majjan	316
■ Does bhūtādi a compound or it means ahaṅkāra or ego?	317
■ triad? –DW	317

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