

**RESEARCH ARTICLE****THERAPUTIC CONTEMPLATION OF ANCIENT AYURVEDA ON *GUDUCHI*  
(*TINOSPORA CORDIFOLIA* (WILLD.) MIERS)****Santosh Pal, Ramamurthy, A., Sudipta Kumar Rath, Richa Khandelwal and \*Bidhan Mahajon**

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16<sup>th</sup> September, 2017Accepted 20<sup>th</sup> October, 2017Published online 30<sup>th</sup> November, 2017**Key words:***Ayurveda, Tinospora cordifolia, Medicine, Natural.***ABSTRACT**

*Tinospora cordifolia* (Willd.) Miers. is commonly called as ‘*Guduchi*’, ‘*Amrita*’ in *Ayurveda*. It is a well known medicinal plant for its massive application in the treatment of various diseases, motioned in the ancient and traditional *Ayurveda* literature. It is a glabrous, perennial, deciduous, climbing shrub of weak and fleshy stem spread across the Tropical India and Andaman. Many potential therapeutic properties have already been reported by various modern scientific researches. But lots of ancient clinical applications of this medicinal herb need to promote for widespread utilization globally. Hence present review aimed to analyze the extensive therapeutic application of this plant mentioned in different classical texts of *Ayurveda*. Review suggests for additional bunch of scientific studies on wide-ranging pharmacological properties of the plant, available in ancient classical literature of medicine.

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**INTRODUCTION**

*Tinospora cordifolia* Willd, belonging to the family *Menispermaceae*, is commonly named as *Guduchi* in Sanskrit i.e one which protects the entire body. It is a genetically various, large, glabrous and deciduous climbing shrub commonly distributed throughout tropical Indian subcontinent and China, ascending to an altitude of 300m (Bhandari, 2006).

**Therapeutic applications of *Guduchi* mentioned in different classical texts of *Ayurveda*****Table 1. Medicinal uses of *Guduchi* in the various pathological condition of pyrexia available in the texts of *Brihatrayee***

S. No.	Formulations	Indication	References
Charaka Samhita			
1.	Vasadi ghrita	Jirna jwara(~chronic fever)	C.Ci.3/222
2.	Jwaranasak kashaya	Jwara(~fever)	C.Ci.3/198
3.	Agarvadi taila	Sheeta jwara prasamana(~cold fever)	C.Ci.3/267
4.	Shatapala ghrita	Visama jwara(~intermittent fever)	C.Ci.3/298
5.	Vishamajawara nasak kwatha	Vishama jwara(~intermittent fever)	C.Ci.3/202
6.	Guduchyadimirauhavasti	Jwara(~fever)	C.Ci.3/247
Sushruta Samhita			
1.	Patoladi gana	Jwara prasamana(~relapsing of fever)	S.Su.38/33
2.	Guduchyadi gana	Sarvajwara(~all types of fever)	S.Su.38/51
3.	Guduchi shaka	Jwara(~fever)	S.U.39/152
4.	Guduchi kashaya, Drakshadi kwatha, Guduchi swaras, Guduchi kashaya	Vataja jwara(~fever)	S.U.39/170, S.U.39/173, S.U.39/174, S.U.39/178
5.	Triphaladi yoga	Vishma jwara(~intermittent fever)	S.U.39/212
6.	Guduchyadi ghrita	Jirna jwara(~chronic fever)	S.U.39/223
7.	Patoladi ghrita	Jwara(~fever)	S.U.39/227
8.	Guduchi kwatha	Pittaja jwara(~ fever)	S.Ci.5/8
Astanga Hridaya			
1.	Mustadi kwatha, Nagaradi kwatha	Jwara(~fever)	Ah.Ci.1/46, Ah.Ci.1/66
2.	Kiratiktadi kwatha	Vishamajwara(~intermittent fever)	Ah.Ci.1/52
3.	Guduchi swaras	Jirana jwara(~chronic fever)	Ah.Ci.1/94

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The plant is typically found in deciduous and dry forests. Its flowers bloom in summer. The male flower is small, yellow or green in colour, and occurs in clusters. Female flowers are usually solitary and green colored. The drupes are ovoid, glossy, succulent, red and pea sized. The leaves are heart shaped (giving the name Cordifolia to the plant) and mucilaginous. The fresh stem has a green succulent bark covered by a thin brown bark and studded with warty lenticels. The roots are long with narrow aerial roots (Bhandari C, 2006). The plant has been worshiped for its marvelous medicinal properties since the Vedic period. In *Atharvaveda* the herb used to apply for preventing snakes and scorpions poisons (*Atharva Veda*, 6/102/3). In *Ayurveda*, it is also known as *Amrita* which indicate its ability to convey youthfulness, vigour and longevity. It is considered as one of the best *Rasayana* (~adaptogens) and incredible in its potent adaptableness (Pandey, 2002). The stems, leaves, and roots are used as medicine in *Ayurveda*. For potent medicinal use all the three parts should be collected in the summer when the bitter qualities are most abundant (Pandey G, 2002). In recent years, significant progress has been attained regarding its biological activity and medicinal applications. Present review aimed to highlight the ancient therapeutic uses of the plant *Guduchi* in various *Ayurveda* classical texts. The word *Guduchi* and all the related synonyms as per *Ayurveda* literature have been searched in various classical texts and discussion was made accordingly.

**Table 1A. Medicinal uses of *Guduchi* in the various pathological condition of pyrexia available in the texts other than *Brihatrayee***

S.No.	Formulations	Indications	References
<i>Kashyap Samhita</i>			
1.	<i>Patoladi ghrita</i>	<i>Jwara</i> (~fever)	<i>Ka.Khi.11/124</i>
2.	<i>Guduchyadi ghrita</i>	<i>Vishmajwara</i> (~intermittent fever)	<i>Ka.Khi.11/167</i>
3.	<i>Samangadi kwatha Devadaru kwatha, Triphaladi kwatha, Dasamuladi kwatha</i>	<i>Jwara</i> (~fever)	<i>Ka.Khi.19/6 Ka.Khi.19/52 Ka.Khi.19/54 Ka.Khi.2/57</i>
4.	<i>Sriparnakiadi kwatha</i>	<i>Kapha, pitta jwara</i> (~fever)	<i>Ka.Khi.10/55</i>
5.	<i>Katuka sarpi</i>	<i>Vishamajwara</i> (~intermittent fever)	<i>Ka.Ka.8/143</i>
<i>Bhela Samhita</i>			
1.	<i>Guduchyadi panakam</i>	<i>Jwara</i> (~fever)	<i>Bh.Ci.28/39</i>
<i>Harita Samhita</i>			
1.	<i>Guduchyadi kwatha</i>	<i>Sannipataja jwara</i> (~fever type)	<i>H.S.2/50</i>
2.	<i>Guduchi swarasra</i>	<i>Vatajaya jwara</i> (~fever type)	<i>H.S.2/54</i>
3.	<i>Panchasula kwatha</i>	<i>Vatajaya jwara</i> (~fever type)	<i>H.S.2/63</i>
4.	<i>Lodhradi kwatha</i>	<i>Pittajaya jwara</i> (~fever type)	<i>H.S.2/65</i>
5.	<i>Guduchyadi kwatha</i>	<i>Pittajaya jwara</i> (~fever type)	<i>H.S.2/71</i>
6.	<i>Vasadi kwatha</i>	<i>Kaphajaya jwara</i> (~fever type)	<i>H.S.2/81</i>
7.	<i>Saliparnadi kwatha</i>	<i>Vata,pitta jwara</i> (~fever type)	<i>H.S.2/87</i>
8.	<i>Kiratikta kwatha</i>	<i>Vata,pitta jwara</i> (~fever type)	<i>H.S.2/88</i>
9.	<i>Pachabhadra kwatha</i>	<i>Vata,pitta jwara</i> (~fever type)	<i>H.S.2/89</i>
10.	<i>Sunthadi kwatha, Drakshadi kwatha, Guduchyadi kwatha, Chudradi kwatha</i>	<i>Pitta, kapha jwara</i> (~fever type)	<i>H.S.2/91, H.S.2/93, H.S.2/94, H.S.2/102</i>
11.	<i>Mustadi kwatha</i>	<i>Bhutaja jwara</i> (~fever)	<i>H.S.2/210</i>
12.	<i>Guduchi swarasra</i>	<i>Tritriyaka jwara</i> (~fever)	<i>H.S.2/215</i>
13.	<i>Nidhigdadi kwatha, Patoladi kwatha</i>	<i>Jirana jwara</i> (~chronic fever)	<i>H.S.2/199, H.S.2/202</i>
<i>Sharangadhara Samhita</i>			
1.	<i>Guduchyadi kwatha</i>	<i>Sarvajwara</i> (~all fevers)	<i>Sa.2/8</i>
2.	<i>Saliparnadi kwatha</i>	<i>Vata jwara</i> (~fever)	<i>Sa.2/12</i>
3.	<i>Bhunimbadi kwatha, Patoladi kwatha</i>	<i>Kapha jwara</i> (~fever)	<i>Sa.2/20, Sa.2/21</i>
4.	<i>Panchabhadra kwatha</i>	<i>Vata ,pitta jwara</i> (~fever)	<i>Sa.2/22</i>
5.	<i>Amratadya kwatha</i>	<i>Pitta ,kapha jwara</i> (~fever)	<i>Sa.2/26</i>
6.	<i>Patola kwatha</i>	<i>Pitta ,kapha jwara</i> (~fever)	<i>Sa.2/28</i>
7.	<i>Abhayadi kwatha</i>	<i>Sannipata jwara</i> (~fever)	<i>Sa.2/34</i>
8.	<i>Guduchi kwatha, Nidigadhadi kwatha</i>	<i>Jirna jwara</i> (~chronic fever)	<i>Sa.2/46, Sa.2/48</i>
9.	<i>Devavarnadi kwatha</i>	<i>Prasuta jwara</i> (~fever after delivery)	<i>Sa.2/49</i>
10.	<i>Brihadchudradi kwatha, Mustadi kwatha</i>	<i>Vishama jwara</i> (~intermittent fever)	<i>Sa.2/52, Sa.2/54</i>
11.	<i>Patoladi kwatha</i>	<i>Sanatata jwara</i> (~continues fever)	<i>Sa.2/55</i>
12.	<i>Guduchyadi kwatha</i>	<i>Tritiyaka jwara</i> (~tertian fever)	<i>Sa.2/58</i>
13.	<i>Jwaraghani vatti</i>	<i>Jwara</i> (~fever)	<i>Sa.12/57</i>
14.	<i>Hriberadi kwatha, Guduchihima</i>	<i>Jirna jwara</i> (~chronic fever)	<i>Sa.2/69, Sa.4/6</i>
15.	<i>Sudarsan churna</i>	<i>Sarvajwara</i> (~all types of fevers)	<i>Sa.6/27</i>
16.	<i>Panchiktika ghrita</i>	<i>Visamajwara</i> (~intermittent fever)	<i>Sa.9/92</i>
17.	<i>Sanjivani vatti</i>	<i>Sannipata jwara</i> (~fever)	<i>Sa.7/18</i>

Abbreviation: C-Charaka Samhita, S- Sushruta Samhita, Su-Sutra Sthana, Ci-Chikitsa Sthana, Ka-Kashyap samhita, Ah-Astanga Hridaya, Sa- Sharangadhara samhita.H.S-Harit Samhita, Bh-Bhel Samhita.

**Table 2. Medicinal uses of *Guduchi* in the various pathological condition of *Vatavyadhi* (~neurological disorder)**

S.No.	Formulations	Indications	References
1.	<i>Bala taila, Amritadya taila, Vrishamuladi taila, Mulaka taila</i>	<i>Vatavyadhi</i> (~neurological disorder)	<i>C.Ci.28/148 C.Ci.28/157 C.Ci.28/170 C.Ci.28/172</i>
2.	<i>Brihadarasanadi kwatha</i>	<i>Vata roga</i> (~neurological disorder)	<i>H.S.2/126</i>
3.	<i>Namasangyaka ghrita</i>	<i>Vatavyadhi</i> (~neurological disorder)	<i>H.S.20/52</i>
4.	<i>Rasanaguduchyadi kwatha</i>	<i>Saravangavata</i> (~neurological disorder)	<i>H.S.20/59</i>
5.	<i>Rasnapanchak kwatha</i>	<i>Saptadhatugatvata</i> (~neurological disorder)	<i>Sa.2/87</i>
6.	<i>Maharasnadi kwatha</i>	<i>Sarvavata roga</i> (~neurological disorder)	<i>Sa.2/91</i>
7.	<i>Masadi tail</i>	<i>Vatavikara</i> (~neurological disorder)	<i>Sa.9/125</i>
8.	<i>Dashmularistha</i>	<i>Vatavyadhi</i> (~neurological disorder)	<i>Sa.10/79</i>
9.	<i>Bhairava rasa</i>	<i>Vataroga</i> (~neurological disorder)	<i>Sa.12/168</i>
10.	<i>Baladi tailam, Rsana tailam</i>	<i>Vata vayadhi</i> (~neurological disorder)	<i>Bh.Ci.24/4, Bh.Ci.24/19</i>

Abbreviation: C-Charaka Samhita, S- Sushruta Samhita, Su-Sutra Sthana, Ci-Chikitsa Sthana, Ka-Kashyap samhita, Ah-Astanga Hridaya, Sa- Sharangadhara samhita.H.S-Harit Samhita, Bh-Bhel Samhita.

**Table 3. Medicinal uses of *Guduchi* in the various pathological condition of Arthritis**

S.No.	Formulations	Indications	References
1.	<i>Drakshadi kshir, Madhuparnyadi taila, Amritaadya taila, Satapaka madhuparni taila, Guduchyadi taila</i>	<i>Vatashonita(~osteo arthritis)</i>	<i>C.Ci.29/71, C.Ci.29/92, C.Ci.29/103, C.Ci.29/117, C.Ci.29/121</i>
2.	<i>Vednasamak lepa</i>	<i>Vatrakta(~osteo arthritis)</i>	<i>C.Su.3/21</i>
3.	<i>Guduchi swarasa</i>	<i>Vattarakta janya vedana (~pain in osteo arthritis)</i>	<i>S.Ci.5/13</i>
4.	<i>Guduchi swarasa, Guduchi kwatha</i>	<i>Vattashonita(~osteo arthritis)</i>	<i>Ah.Ci.22/7, Ah.Ci.22/15</i>
5.	<i>Guduchi swarasa</i>	<i>Vattashonita (~osteo arthritis)</i>	<i>Ah.U.40/50</i>
6.	<i>Kaisorgugulal</i>	<i>Vatarakta(~osteo arthritis)</i>	<i>Sa.7/70</i>
7.	<i>Amrtadi kwatha, Patoladi kwatha, Laghumanjisthadi kwatha</i>	<i>Vatarakta(~osteo arthritis)</i>	<i>Sa.2/135, Sa.2/136, Sa.2/138</i>
8.	<i>Dashmula kwatha</i>	<i>Amavata(~rheumatoid arthritis)</i>	<i>H.S.21/24</i>

Abbreviation: C-Charaka Samhita, S- Sushruta Samhita, Su-Sutra Sthana, Ci-Chikitsa Sthana, Ka-Kashyap samhita, Ah-Astanga Hridaya, Sa- Sharangadhara samhita.H.S-Harit Samhita

**Table 4. Medicinal uses of *Guduchi* in the various pathological condition of Diabetes**

S.No.	Formulations	Indications	References
1.	<i>Vallipanchmula</i>	<i>Sarvameha(~all types of diabetes)</i>	<i>S.Su.38/73</i>
2.	<i>Guduchi kashaya</i>	<i>Sharpimeha(~diabetes)</i>	<i>S.Ci.11/9</i>
3.	<i>Guduchi swarasa</i>	<i>Prameha(~diabetes)</i>	<i>Ah.Ci.12/6</i>
4.	<i>Kushtadi churana</i>	<i>Sarvameha(~diabetes)</i>	<i>H.S.28/45</i>
5.	<i>Guduchi swarasa</i>	<i>Prameha(~diabetes)</i>	<i>Sa.1/7</i>
6.	<i>Chandraprabha vati</i>	<i>Prameha(~diabetes)</i>	<i>Sa.7/140</i>
7.	<i>Devdavadhirista</i>	<i>Prameha(~diabetes)</i>	<i>Sa.10/55</i>
8.	<i>Guduchi kashaya</i>	<i>Medoroga(~obesity)</i>	<i>C.Su.21/22</i>

Abbreviation: C-Charaka Samhita, S- Sushruta Samhita, Su-Sutra Sthana, Ci-Chikitsa Sthana, Ka-Kashyap samhita, Ah-Astanga Hridaya, Sa- Sharangadhara samhita.H.S-Harit Samhita

**Table 5. Medicinal uses of *Guduchi* in the various condition of dermatological disorder**

S.No.	Formulations	Indications	References
1.	<i>Churna-Pradeha, Kusthadi churna</i>	<i>Kustha, Kilas(~leprosy)</i>	<i>C.Su.3/2, C.Su.3/9</i>
2.	<i>Vata kapha kushtaghana yoga, Mahakhadira ghrita</i>	<i>Kustha(~leprosy)</i>	<i>C.Ci.7/123</i>
3.	<i>Mustadi kwatha, Ghranthi visarpa</i>	<i>Visarpa(~cellulites)</i>	<i>C.Ci.21/58, C.Ci.21/130</i>
4.	<i>Mahatikta ghrita</i>	<i>Kustha(~leprosy)</i>	<i>C.Ci.7/145</i>
5.	<i>Guduchi swarasa</i>	<i>Sarvakushta(~ all types of leprosy)</i>	<i>S.Ci.10/14</i>
6.	<i>Aaraghavadhadi gana, Patoladi gana</i>	<i>Kustha(~leprosy)</i>	<i>Ah.Su.15/7, Ah.Su.15/15</i>
7.	<i>Duralabhadi kwatha</i>	<i>Visarpa(~cellulites)</i>	<i>Ah.Ci.18/6</i>
8.	<i>Nisadi kwatha, Guduchyadi lepa</i>	<i>Kustha(~leprosy)</i>	<i>Ah.Ci.19/39, Ah.Ci.19/86</i>
9.	<i>Devadarvadi kwatha</i>	<i>Ghranthi visarpa(~cellulites)</i>	<i>Ah.Ci.18/30</i>
10.	<i>Madhukadi taila</i>	<i>Visarpa(~cellulites)</i>	<i>Ka.Khi.14/24</i>
11.	<i>Patoladi kwatha</i>	<i>Visarpa(~cellulites)</i>	<i>Ka.Khi.14/39</i>
12.	<i>Vyaghatakadi kwatha, Picumandadi kwatha</i>	<i>Pitta visarpa(~cellulites)</i>	<i>Ka.Khi.14/40, Ka.Khi.14/41</i>
13.	<i>Dhatriadi ghrita, Dhatriadi kwatha</i>	<i>Charmadal(~skin disorder)</i>	<i>Ka.Khi.15/15, Ka.Khi.15/17</i>
14.	<i>Amrta kwatha</i>	<i>Visarpa (~cellulites)</i>	<i>Ka.Khi.14/70</i>
15.	<i>Amrtarista</i>	<i>Kapha visarpa (~cellulites)</i>	<i>Ka.Khi.14/74</i>
16.	<i>Dhatari ghrita</i>	<i>Charmadal (~skin disorder)</i>	<i>Ka.Khi.15/16</i>
17.	<i>Guduchyadi kwatha</i>	<i>Kushta (~leprosy)</i>	<i>H.S.39/28</i>
18.	<i>Manjisthadi kwatha</i>	<i>Sarvakushta (~leprosy)</i>	<i>Sa.2/139</i>
19.	<i>Amrtaghrita</i>	<i>Kustha (~leprosy)</i>	<i>Sa.9/44</i>

Abbreviation: C-Charaka Samhita, Su-Sutra Sthana, Vi-Viman Sthana, Ci-Chikitsa Sthana, Ka-Kashyap samhita, Ah-Astanga Hridaya, Sa- Sharangadhara samhita.H.S-Harit Samhita

**Table 6. Medicinal uses of *Guduchi* in the various pathological condition of hepatic disorder**

Sl.no.	Formulations	Indications	References
1.	<i>Guduchi swarasa</i>	<i>Halimaka(~complicated - hepatitis)</i>	<i>C.Ci.16/134</i>
2.	<i>Guduchi swarasa</i>	<i>Halimaka(~complicated hepatitis)</i>	<i>Ah.Ci.16/43</i>
3.	<i>Guduchyadi ghrita</i>	<i>Halimaka(~complicated hepatitis)</i>	<i>Ka.Ci.5/3</i>
4.	<i>Falatrikadi kwatha</i>	<i>Kamala(~jaundice)</i>	<i>Sa.2/77</i>

Abbreviation: Ka-Kashyap samhita, Ah-Astanga Hridaya, Sa- Sharangadhara samhita, Ci-Chikitsa Sthana.

**Table 7. Various therapeutic uses of Guduchi mentioned in Charaka samhita (Agnivesh, 2014)**

S.No.	Mentioned In	Indication	Reference
1.	<i>Niruhavasti</i>	<i>Udavarta</i> (~abdominal distension)	C.Su.2/12
2.	<i>Triptighana Mahakashaya</i>	(~used in thrust)	C.Su.4/11
3.	<i>Stanyajanana Mahakashaya</i>	(~increases milk production)	C.Su.4/18
4.	<i>Trisnanigrahana Mahakashaya</i>	(~used to remove thrust)	C.Su.4/29
5.	<i>Dahaprasaman Mahakashaya</i>	(~used in burning sensation )	C.Su.4/41
6.	<i>Vayahsthapan Mahakashaya</i>	(~used as anti-aging)	C.Su.4/50
7.	<i>Nadisweda dravya</i>	<i>Swedana</i> (~sweating)	C.Su.14/30
8.	<i>Tikta Sakanda</i>	(~bitter)	C.Vi.8/143
9.	<i>Parisheka sweda</i>	<i>Rajayashma</i> (~tuberculosis)	C.Ci.8/72
10.	<i>Vata Pitta-Sotha, Punarnawaadayarista</i>	<i>Sotha</i> (~oedema)	C.Ci.12/25
11.	<i>Panchama kshara</i>	<i>Gharani</i> (~irritable bowel syndrome)	C.Ci.15/190
12.	<i>Prataha kalin yoga</i>	<i>Pandu</i> (~anaemia)	C.Ci.16/63
13.	<i>Nidigadhadi yoga, Dasmuladi yoga</i>	<i>Hicca , swasa</i> (~hiccup)	C.Ci.17/93
14.	<i>Kantakari ghrira Guduchyadi ghrira</i>	<i>Kasa</i> (~cough)	C.Ci.18/35, C.Ci.18/160
15.	<i>Bhramaharasayana Chayavanaprash</i>	<i>Rasayana</i> (~adjuvant)	C.Ci.1-1/58, C.Ci.1-1/63
16.	<i>Gandahastinamaka agadha</i>	<i>Visha</i> (~poision)	C.Ci.23/70
17.	<i>Amritadi varti</i>	<i>Netra vyadhi</i> (~eye disease)	C.Ci.26/242

Abbreviation: C-Charaka Samhita, Su-Sutra Sthana, Vi-Viman Sthana, Ci-Chikitsa Sthana.

**Table 8. Various therapeutic uses of Guduchi mentioned in Sushruta Samhita (Sushruta, 2008)**

S.No.	Mentioned In	Indication	Reference
1.	<i>Atidagdha</i>	<i>Aganikarama</i> (~thermal cauterity)	S.Su.12/26
2.	<i>Sivana karma</i>	<i>Asthavidhsastra karma</i> (~eight surgical procedure)	S.Su.25/21
3.	<i>Aaraghwadhadhi gana</i>	<i>Varana sodhana</i> (~wound healing)	S.Su.38/6
4.	<i>Shyamadi gana</i>	<i>Udavarata</i> (~abdominal distension)	S.Su.38/29
5.	<i>Tikta varga</i>	(~bitter)	S.Su.42/22
6.	<i>Kapha vyadhi</i>	<i>Virechana</i> (~purgative)	S.Su.44/5
7.	<i>Shaka varga</i>	(~bitter)	S.Su.46/262.
8.	<i>Kaphaja varana, Varanaropana</i>	(~wound healing)	S.Ci.1/115 S.Ci.2/74
9.	<i>Guduchitakra kalpa</i>	<i>Arsa</i> (~piles)	S.Ci.6/13
10.	<i>Guduchi kashaya</i>	<i>Mahakushta</i> (~urinary incontinence)	S.Ci.10/4
11.	<i>Guduchiadi taila</i>	<i>Mudhagarbha</i> (~false- presentation)	S.Ci.15/44
12.	<i>Guduchiadi lepa</i>	<i>Valamik</i> (~malignant growth)	S.Ci.20/50
13.	<i>Guduchi kashaya</i>	<i>Rasayana</i> (~adjuvant)	S.Ci.27/7
14.	<i>Tripaladi taila</i>	<i>Anuvasana vasti</i> (~oil- enema)	S.Ci.37/34
15.	<i>Guduchi kashaya</i>	<i>Kukunkaka</i> (~ophthalmic neonatorum)	S.U.19/13
16.	<i>Patoladi churna, Pittapachaka kwatha</i>	<i>Amaatisara</i> (~diarrhoea)	S.U.40/50
17.	<i>Guduchyadi ghrira</i>	<i>Lagharaaka</i> (~complicated anaemia)	S.U.44/40
18.	<i>Guduchi kashaya</i>	<i>Sannipataja chardi</i> (~ vomiting)	S.U.49/27

Abbreviation: S-Susruta Samhita, Su-Sutra Sthana, Ci-Chikitsa Sthana, U-Uttartantra.

**Table 9. Various therapeutic uses of Guduchi mentioned in Ashtanga Hridaya (Vagbhata, 2014)**

S.No.	Mentioned In	Indication	Reference
1.	<i>Triphaladi churana</i>	<i>Apatarpana</i> (~emaciation)	Ah.Su.14/22
2.	<i>Guduchyadi gana</i>	<i>Kapha-pitta roga</i>	Ah.Su.15/16
3.	<i>Nagaradi kwatha</i>	<i>Rakatasarava</i> (~ bleeding disorder)	Ah.Sa.2/7
4.	<i>Guduchyadi ghrira, Vasadi ghrira</i>	<i>Kasa</i> (~cough)	Ah.Ci.3/3, Ah.Ci.3/164
5.	<i>Drakshadi swarasa</i>	<i>Chardi</i> (~vomiting)	Ah.Ci.6/14
6.	<i>Guduchyadi swarasa</i>	<i>Madataya</i> (~alcoholic disorder)	Ah.Ci.7/25
7.	<i>Dhavadi kwatha</i>	<i>Mutraghata</i> (~ urine incontinence)	Ah.Ci.11/12
8.	<i>Vasadi kwatha</i>	<i>Pandu</i> (~anaemia)	Ah.Ci.16/13
9.	<i>Baladi kwatha</i>	<i>Vasti</i> (~enema)	Ah.ka.4/1
10.	<i>Dashmuladi kwatha</i>	<i>Anuvasana vasti</i> (~oil enema)	Ah.ka.4/55
11.	<i>Patoladi kwatha</i>	<i>Vartama roga</i> (~eye disorder)	Ah.U.9/27
12.	<i>Guduchyadi ghrira, Chudradi kwatha</i>	<i>Mukha roga</i> (~ mouth disorder)	Ah.U.22/6, Ah.U.22/97
13.	<i>Guduchyadi kwatha</i>	<i>Galaganda</i> (~goiter)	Ah.U.22/68
14.	<i>Guduchyadi kwatha</i>	<i>Mukha arabuda</i> (~ mouth cancer)	Ah.U.22/78
15.	<i>Kashamaryadi ghrira</i>	<i>Vattaja yoniyayapada</i> (~gynaecological disorder)	Ah.U.34/28
16.	<i>Guduchyadi kwatha</i>	<i>Yoniprakshalana</i> (~gynaecological disorder)	Ah.U.34/33
17.	<i>Nishothadi lepa</i>	<i>Visha</i> (~poision)	Ah.U.38/20
18.	<i>Guduchi swarasa</i>	<i>Medhya rasayana</i> (~brain adjuvant)	Ah.U.39/44
19.	<i>Shunthadi rasayana</i>	<i>Vyadahijaravimukatam</i> (~increases immunity)	Ah.U.39/104

Abbreviation: Ah-Astanga Hridaya , Su-Sutra Sthana, Ci-Chikitsa Sthana, K-Kalpa sthana, U-Uttartantra.

**Table 10. Various therapeutic uses of *Guduchi* mentioned in in *Kashyap Samhita* (Tiwari, 1996)**

S.No.	Mentioned In	Indication	Reference
1.	<i>Pathadi kwatha</i>	<i>Raksoghna</i> (~evil spirit)	<i>Ka.Su.19/13</i>
2.	<i>Shaishuka ghrita</i>	<i>Gulma</i> (~abdominal lump)	<i>Ka.Ci.8/27</i>
3.	<i>Lamamajjakadi kwatha</i>	<i>Madataya</i> (~alcoholic disorder)	<i>Ka.Ci.16/46</i>
4.	<i>Bala tail, Satavaryadi tail</i>	<i>Dhatri</i> (~feeding mother)	<i>Ka.Ci.18/15, Ka.Ci.18/39</i>
5.	<i>Triphaladi kwatha</i>	<i>Pachana</i> (~digestion)	<i>Ka.Ka.8/127</i>
6.	<i>Lodhradi kwatha</i>	<i>Netra roga</i> (~eye disease)	<i>Ka.Khi.13/86</i>
7.	<i>Palasadi tail</i>	<i>Shotha</i> (~odema)	<i>Ka.Khi.17/91</i>
8.	<i>Traivitra yoga</i>	<i>Dustaprajata</i> (~postpartum complication)	<i>Ka.Ci.3/14</i>
9.	<i>Atarusakadi kwatha</i>	<i>Abhisyanda</i> (~co-junctivities)	<i>Ka.Khi.13/28</i>
10.	<i>Mandukaparni rasayana</i>	<i>Rasayana</i> (~adjuvant)	<i>Ka.Ci.7/14</i>
11.	<i>Bala tail</i>	<i>Dhatari</i> (~feeding mother)	<i>Ka.Ci.18/26</i>
12.	<i>Satavariadi kwatha, Jivakadi ghrita, Satavariadi lepa</i>	<i>Sotha</i> (~odema)	<i>Ka.Khi.17/49</i>

Abbreviation: ka-*kashyap*, Ci-*Chikitsa Sthana*, K-*Kalpa sthana*, Khi-*Khil sthana*

**Table 11. Various therapeutic uses of *Guduchi* mentioned in *Bhela Samhita* (Maharshi Bhel, 2009)**

S.No.	Mentioned In	Indication	Reference
1.	<i>Kalyanaka ghrit</i>	<i>Suryavarta</i> (~headache)	<i>Bh.Ci.21/11</i>
2.	<i>Guduchyadi swarasa</i>	<i>Slesma panatyaya</i> (~alcholic disorder)	<i>Bh.Ci.28/86</i>
3.	<i>Patola kwatha</i>	<i>Niruhavasti</i> (~medicated water enema)	<i>Bh.Si.7/10</i>
4.	<i>Rasayana vasti</i>	<i>Rasayana</i> (~adjuvant)	<i>Bh.Si.8/38</i>

Abbreviation: B.Sa.- *Bhela Samhita*, Ci-*Chikitsa Sthana*, Si-*Siddhi sthana*, K-*Kalpa sthana*

**Table 12. Various therapeutic uses of *Guduchi* mentioned in *Harita Samhita* (Harita, 2009)**

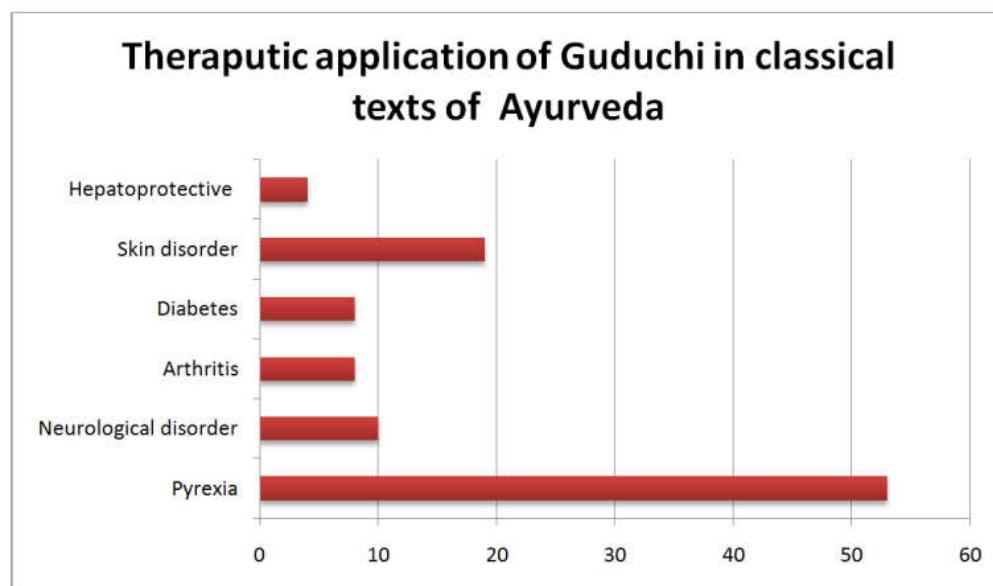
S.No.	Mentioned In	Indication	Reference
1.	<i>Shunthadi kwatha</i>	<i>Jwaratisara</i> (~fever-diarrhoea)	<i>H.S.3/13</i>
2.	<i>Pathadi kwatha, Pacnhamuli kwatha</i>	<i>Atisara</i> (~diarrhoea)	<i>H.S.3/14, H.S.3/17</i>
3.	<i>Shalmulimula kalka</i>	<i>Pittatisara</i> (~diarrhoea)	<i>H.S.3/47</i>
4.	<i>Darunagara kwatha</i>	<i>Ghrani</i> (~irritable bowel syndrome)	<i>H.S.3/92</i>
5.	<i>Chyavanaprasha, Jivanatayadi ghrita, Parasara ghrita</i>	<i>kshayaroga</i> (~emaciation)	<i>H.S.9/48, H.S.9/78, H.S.9/88</i>
6.	<i>Amritaprasha ghrita, Guduchyadi churana</i>	<i>Rajayashama</i> (~tuberculosis)	<i>H.S.9/119, H.S.9/130</i>
7.	<i>Mridvikadi ghrita</i>	<i>Raktapitta</i> (~bleeding disorder)	<i>H.S.10/52</i>
8.	<i>Khanadakadya rasayana</i>	<i>Raktapitta</i> (~bleeding disorder)	<i>H.S.10/69</i>
9.	<i>Amritadi kwatha, Bhallatakavleha</i>	<i>Arsha</i> (~piles)	<i>H.S.11/29, H.S.11/80</i>
10.	<i>Guduchyadi kwatha</i>	<i>Trishana</i> (~thrust)	<i>H.S.13/13</i>
11.	<i>Guduchyadi kwatha</i>	<i>Amalapitta</i> (~hyper-acidity)	<i>H.S.24/6</i>
12.	<i>Guduchyadi kalka</i>	<i>Shopha</i> (~inflammation)	<i>H.S.25/14</i>
13.	<i>Guduchyadi churana</i>	<i>Vajikarana</i> (~aphrodisiac)	<i>H.S.47/14</i>
14.	<i>Guduchyadi ghrita</i>	<i>Balaroga</i> (~child disease)	<i>H.S.54/22</i>

Abbreviation: H.Sa.- *Harit Samhita*

**Table 13. Various therapeutic uses of *Guduchi* mentioned in *Sharangadhara Samhita* (Sharangdhara, 2006)**

S.No.	Mentioned In	Indication	Reference
1.	<i>Guduchyadi kwatha, Nagaradi kwatha</i>	<i>Jwaratisara</i> (~fever-diarrhoea)	<i>Sa.2/61, Sa.2/63</i>
2.	<i>Chaturbdra kwatha</i>	<i>Samghrani</i> (~irritable bowel syndrome)	<i>Sa.2/74</i>
3.	<i>Punarnawadi kwatha</i>	<i>Pandu</i> (~anaemia)	<i>Sa.2/78</i>
4.	<i>Vilwadi kwatha</i>	<i>Chardi</i> (~vomiting)	<i>Sa.2/84</i>
5.	<i>Punarnawadi kwatha</i>	<i>Sotha</i> (~odema)	<i>Sa.2/120</i>
6.	<i>Rasnadi kwatha</i>	<i>Antravidhī</i> (~intestinal lump)	<i>Sa.2/125</i>
7.	<i>Pathyadisadanga kwatha</i>	<i>Shiroroga</i> (~headach)	<i>Sa.2/145</i>
8.	<i>Vasadi kwatha, Amrtadi kwatha</i>	<i>Netra roga</i> (~eye disease)	<i>Sa.2/148, Sa.2/150</i>
9.	<i>Musalayadi churna</i>	<i>Klibata</i> (~infertility)	<i>Sa.6/159</i>
10.	<i>Kantakari avaleha</i>	<i>Sawsa</i> (~asthma)	<i>Sa.8/6</i>
11.	<i>Chayavanprash avaleha</i>	<i>kshatkina</i> (~lungs abnormality)	<i>Sa.8/10</i>
12.	<i>Laghufalaghrita</i>	<i>Yoniroga</i> (~gynaecological disorder)	<i>Sa.9/88</i>
13.	<i>Nilikadhyta tail</i>	<i>Keshya</i> (~hair strengthen)	<i>Sa.9/149</i>
14.	<i>Loknathrasa</i>	<i>Daha</i> (~burning sensation)	<i>Sa.12/74</i>
15.	<i>Amritarnava rasa</i>	<i>Kasa</i> (~cough)	<i>Sa.12/163</i>
16.	<i>Ghrani kapat rasa</i>	<i>Ghrani</i> (~irritable bowel syndrome)	<i>Sa.12/247</i>
17.	<i>Lauha rasayana</i>	<i>Rasayana</i> (~adjuvant)	<i>Sa.12/287</i>

Abbreviation: Sa-*Sharangadhar Samhita*.



**Figure 1.** Analysis on therapeutic application of *Guduchi* in the classical texts of Ayurveda

## DISCUSSION

*Guduchi* is considered one of the best *Rasayana* and is remarkable in its potent adaptability. The alcoholic and aqueous extracts of *T. cordifolia* have been tested successfully for their immunomodulatory activity (Mor and Pai, 2011). It acts in various infectious diseases through its *Amapachana*, *Agnideepana*, *Jwaraghna* and *Balya* properties (Agnivesh, 2014). The *Ama* (~undigested food material) which is released into circulation by the infectious agent and the resultant *Agnimandya* (~indigestion) can be managed with the *Amapachana* and *Agnideepana* properties of *Guduchi*. The *Jwaraghna* property of the plant helps in alleviating the general description of infectious diseases like fever, cough (Singh et al., 2005). The *Balya* and *Rasayana* properties of the plant helps during the post infectious phase in salvage the strength of the body (Agnivesh, 2014). Present review highlights the major pharmacological areas where the plant *Guduchi* possess significant role as per ancient classics (Figure-1). Potential therapeutic properties reported by modern scientific research includes antipyretic, anti-inflammatory, antioxidant, anti-allergic, antispasmodic, adaptogenic, hypoglycemic, anti-stress, anti-rheumatic, anti-malarial, hepato-protective and immuno-modulatory activity (Jitendra Mittal et al., 2014; Vipin Kumar et al., 2013; Meena et al., 2010). Till different areas of therapeutic application, mentioned in ancient classical texts entail to be explored.

## Conclusion

The historical evidence confirms the *Tinospora cordifolia* is a competent plant as multipurpose resource for life. Different active compounds are demonstrating the varied adaptability of the plant. With so much to offer to the scientific world of medicine, the plant *Tinospora* truly acts as an incredible source. The present review highlights the various therapeutic uses of *Tinospora cordifolia* mentioned by great *Ayurveda* sages and recommends that there is huge scope of further scientific research on various therapeutic aspect of this important medicinal plant.

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