



Review Article

MILAGU RELATED SIDDHA FORMULATIONS INDICATED FOR VARIOUS AILMENTS - A LITERATURE REVIEW

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ABSTRACT

Siddha system of medicine is one of the traditional systems of medicine indigenous to south India. It is a treasure house of secret science, embodying the results of the researches done by the ancient Siddhars. In Siddha system of medicine 32 types of internal and 32 types of external medicines are used for management of diseases, which includes herbs, minerals, metallic salts and animal products. One among the herb is *Milagu* (piper nigrum) which is a perennial woody plant cultivated mainly for its fruits. It contains phytochemicals such as piperine, piperidine, pyrrolidines, safole etc and possesses antioxidant, antihistaminic and bronchodilator properties. In Siddha system of medicine *Milagu* is used in numerous poly herbal formulations which are effective in treating various ailments. This literature review aimed to analyze and summarize some of the literatures which mention *Milagu* as component of medicine for the treatment of ailments. About 276 *Milagu* related preparations were reviewed from various *Siddha* literatures. From the results of this review, there were 237 internal medicine, 31 external medicine and 8 were of both types, from which *Chooranam* and *Thailam* are highest in internal and external medicine respectively. This literature review gives elaborate documentary evidence related to *Milagu* and its medicinal uses which will be very much useful for the Siddha community.

INTRODUCTION

Milagu (Piper nigrum) belongs to the family Piperaceae is a valuable medicinal plant. It is one of the most commonly used spices and considered as "The King of species among various species. It is grown in many tropical regions like Brazil, Indonesia, and India. Black pepper is used as medical agent, a preservative, and in perfumery. It contains major pungent alkaloid Piperine which is known to possess many interesting pharmacological actions. It is widely used in traditional medicines like Siddha and Ayurvedic system of medicines. Piperine exhibits diverse pharmacological activities like antioxidant, anti-hypertensive, antiplatelets, antitumor, anti-asthmatics, analgesic, anti-inflammatory, antipyretic, anti-spasmodic,

anxiolytic, antidepressants, hepato-protective, immune-modulators, etc. Piperine has been found to enhance the therapeutic efficacy of many drugs, vaccines and nutrients by increasing oral bioavailability by inhibiting various metabolizing enzymes.

METHODOLOGY

Study design: A literature review of *Milagu* (Piper nigrum) related to its medicine in Siddha system of medicine.

Research Instrument: Data entry form

Data Collection: Data for literature review were collected from relevant Siddha text books, peer review journals and websites which have pharmacological actions and medicinal uses.

Statistical analysis: Collected data were analyzed with the help of MS Office.

RESULTS AND DISCUSSION

Taxonomic position of piper nigrum

Taxonomical position of piper nigrum is listed in the below table.

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Kingdom	Plantae
Class	Equisetopsida
Subclass	Magnoliidae
Super order	Magnoliana
Order	Piperales
Family	Piperaceae
Genus	Piper
Species	Nigrum

Different names of piper nigrum in different languages

Piper nigrum has various names in different languages listed in table below:

Tamil	Kari, Kayam, Malayali, Marisam, Vallisam
Bengali	Golmorich, Kalamorich, Morich
English	Black pepper
Gujarati	Kalimori
Hindi	Kalimirch
Kannada	Karimonaru, Menaru
Malayalam	Karumulaku
Marathi	Kalamiri
Punjabi	Galmirch, Kalmirch
Sanskrit	Marica, Vellaja, Usana
Telugu	Miriyalu, Marichamu
Urdu	Fulfil siyah, Kalimirch

Pharmacological Activities of Piper Nigrum

The pharmacological activities of piper nigrum are listed in the table given below:

S.No	Activities
1	Anti- diarrheal
2	Immunomodulatory activity

3	Analgesic and Antipyretic
4	Antioxidant
5	Antihypertensive
6	Anti-inflammatory
7	Digestive activity
8	Anticancer
9	Anti- asthmatic

Phytochemicals present in piper nigrum

Phytochemicals are the naturally occurring substances in medicinal plants. These are very useful for curing diseases. Some of the phytochemicals are as follows

- Piperine
- Brachyamide B
- Dihydro-piperide
- N-Trans-Feruloylryamine
- Piperamide
- Piperamine
- Piperette
- Sarmentine
- Guineesine.

Properties and actions

Suvai: Kaippu

Gunam: Ilaku, Kurmai, Varachi

Viriyam: Veppam

Pirivu: Karppu

Uses of Piper Nigrum [Milagu]

Milagu is used to cure *Azal Noykal, Seriyamai, Suram, Suvaiyinmai, Vali Noykal*.

About 276 preparations are collected from 24 references; table below represents the type of medicine, and its uses. Their references were shown as abbreviations their meaning was given in annex part.

S.No	Prepared Medicines	Cured Diseases	Internal [i]/ External [e]	Reference
1	<i>Avuri Ver Surasam</i>	<i>Paal Unnum Kozzhainthaiku</i>	I	BV
2	<i>Amai Yottu Karkam</i>	<i>Porumal, Kazhichal</i>	I	BV
3	<i>Kalli Adai</i>	<i>Malasalakattu</i>	I	BV
4	<i>Atthai Patttaiyathi Kasayam</i>	<i>Nirizivu [Diabetic]</i>	I	AG
5	<i>Athithaaka Sura Kasayam</i>	<i>Suram64, Thaakam</i>	I	KSRD
6	<i>Chitramoola Kudineer</i>	<i>Suram, Irumal</i>	I	BV
7	<i>Janni Kasayam</i>	<i>Pirasava Janni</i>	I	KSRD
8	<i>Kunma Vaivuyuku Kudineer</i>	<i>Kunmam</i>	I	TV
9	<i>Karruku Kudineer</i>	<i>Kazhichal</i>	I	SMM
10	<i>Kaanthathi Kudineer</i>	<i>Thulai Mantham</i>	I	BV
11	<i>Kadukkai Kudineer</i>	<i>Aama Sanni</i>	I	BV
12	<i>Karisalai Kudineer</i>	<i>Pitha Sogai</i>	I	BV
13	<i>Kaadisotru Kudineer</i>	<i>Vaanthy</i>	I	BV
14	<i>Majanathi Kudineer</i>	<i>Maantham</i>	I	BV

15	<i>Mukaduku Kudineer</i>	<i>Maantham</i>	I	BV
16	<i>Muthanda Kiyazham</i>	<i>Skin Disorders</i>	I	AGP
17	<i>Nilavembu Kudineer</i>	<i>Pithasuram</i>	I	SVT
18	<i>Nochi Kudineer</i>	<i>Kulir Suram</i>	I	SVT
19	<i>Oma Kudineer</i>	<i>Muku Maantham</i>	I	BV
20	<i>Paavattai Kudineer</i>	<i>Ama Suram</i>	I	BV
21	<i>Puliyampattai Kudineer</i>	<i>Thaakam</i>	I	BV
22	<i>Sarvasura Kasayam</i>	<i>Suram</i>	I	KSRD
23	<i>Surakiyazham</i>	<i>Suram</i>	I	KS
24	<i>Thiri Kaduku Kudineer</i>	<i>Vida Suram</i>	I	BV
25	<i>Uppisanthira Kudineer</i>	<i>Uppisam</i>	I	TK*
26	<i>Uthamani Kudineer</i>	<i>Ama Suram</i>	I	BV
27	<i>Vellai Kakanathin Kasayam</i>	<i>Ajeeranam</i>	I	AG
28	<i>Vayuvukku Kudineer</i>	<i>Vayvu</i>	I	T V
29	<i>Vilvaverin Kiyazham</i>	<i>Kapham</i>	I	AGTM
30	<i>Vathasura Kasayam</i>	<i>Suram</i>	I	KSRD
31	<i>Amukkara Chooranam</i>	<i>Envagai Kunmam, Kuthu Vayvu</i>	I	SVT
32	<i>Ashta Chooranam</i>	<i>Pasyinami, Vaatham</i>	I	SVT
33	<i>Attathi Chooranam</i>	<i>Agni Maantham, Soolai</i>	I	AG
34	<i>Chooranarajan Chooranam</i>	<i>Kunmam, Peruvayuru</i>	I	AG
35	<i>Chitramoola Chooranam</i>	<i>Moolam, Vayvu</i>	I	AG
36	<i>Deepakini Chooranam</i>	<i>Kaasam, Kunmam</i>	I	SVT
37	<i>Elathy Chooranam</i>	<i>Azalnoi, Enpuriki Noi</i>	I	SVT
38	<i>Hiapathy Chooranam</i>	<i>Suga Viraesanam</i>	I	VRS
39	<i>Inji Chooranam -2</i>	<i>Suvainmai, Vayvu</i>	I	SVT
40	<i>Iyankaya Chooranam</i>	<i>Pethy, Kiraani</i>	I	KSRD
41	<i>Inkuvathy Chooranam</i>	<i>Soolai, Kunmam</i>	I	AG
42	<i>Ilamichai Chooranam</i>	<i>Mekami</i>	I	AG
43	<i>Kalarchi Chooranam</i>	<i>Virai Veekam</i>	I	HP
44	<i>Karpuraathy Chooranam</i>	<i>Kunmam, Vaatham</i>	I	MSIK
45	<i>Kodivaali Chooranam</i>	<i>Karappan</i>	I	AG
46	<i>Kuvinai Chooranam</i>	<i>Kiraani</i>	I	AG
47	<i>Kenthakathy Chooranam</i>	<i>Kiranthi</i>	I	AG
48	<i>Kukil Chooranam</i>	<i>Soolai, Poon</i>	I	AG
49	<i>Kukilaathy Chooranam</i>	<i>Sarvavaathai</i>	I	AG
50	<i>Karunkozhi Chooranam</i>	<i>Kiranthai, Vaatham</i>	I	AG
51	<i>Lavangaathy Chooranam</i>	<i>Suram, Iruthaya Adaipu</i>	I	AG
52	<i>Marrisathi Chooranam</i>	<i>Suvasam 5</i>	I	AG
53	<i>Mahasudharsana Chooranam</i>	<i>Vatha, Pitha, Kapha Suram</i>	I	KSRD
54	<i>Maha Thalisa Chooranam</i>	<i>Ajeeranam</i>	I	VRS
55	<i>Malankazhiya Chooranam</i>	<i>Malakattu</i>	I	BK
56	<i>Navaakini Chooranam</i>	<i>Kunmam</i>	I	AG
57	<i>Nilavagai Chooranam</i>	<i>Malakattu, Vanthy</i>	I	SVT
58	<i>Panchadeepakini Chooranam</i>	<i>Pitham, Soolai</i>	I	SVT
59	<i>Pirandai Chooranam</i>	<i>Kaphasanni, Udambu Vali.</i>	I	SVT
60	<i>Pancha Kolaathi Chooranam</i>	<i>Uppisam</i>	I	VRS
61	<i>Poonaaga Chooranam</i>	<i>Pandu, Kunmam</i>	I	KSRD

62	<i>Paaskara Lavanam</i>	<i>Pitha Vayvu, Parinama Soolai</i>	I	KSRD
63	<i>Periya Karupu Thul</i>	<i>Kazhichal, Vaatham</i>	I	SMM
64	<i>Poornaathy Chooranam</i>	<i>Vatha Pitha Kapha Nooi</i>	I	AG
65	<i>Pethy Chooranam</i>	<i>Pethy</i>	I	AG
66	<i>Parangipaatai Chooranam</i>	<i>Thol Noi</i>	I	TK
67	<i>Rasothmaathy Chooranam</i>	<i>Sori, Sirangu Padai</i>	I	KSRD
68	<i>Sivathai Chooranam</i>	<i>Vayvu, Malakaatu</i>	I	SVT
69	<i>Sivanar Vembu Chooranam</i>	<i>Soolai 18, Kuttam, Kurai Noi</i>	I	SVT
70	<i>Senkazhuneer Chooranam</i>	<i>Pitham 40</i>	I	AG
71	<i>Sugapethy Chooranam</i>	<i>Pethy, Kumattal</i>	I	KSRD
72	<i>Surakati Chooranam</i>	<i>Suram, Kati</i>	I	KSVS
73	<i>Saathipalaathy Chooranam</i>	<i>Vaatha Soolai</i>	I	AG
74	<i>Seeragaathy Chooranam</i>	<i>Vayvu, Pitham</i>	I	AG
75	<i>Thirikaduku Chooranam</i>	<i>Pasinimayi, Irumal</i>	I	SVT
76	<i>Thirichaathy Chooranam</i>	<i>Irumal, Thaathu</i>	I	SVT
77	<i>Thirimilagu Chooranam</i>	<i>Sali, Irumal</i>	I	AGP
78	<i>Thalisaathy Chooranam</i>	<i>Kirukirupu, Mayakam</i>	I	KSRD
79	<i>Thasamoola Chooranam</i>	<i>Megapini</i>	I	SMM
80	<i>Thakolathy Chooranam</i>	<i>Kapam Pitham</i>	I	AG
81	<i>Thaadimathy Chooranam</i>	<i>Kirani</i>	I	AG
82	<i>Thipliedy Chooranam</i>	<i>Shayam, Maantham</i>	I	AG
83	<i>Vasambu Chooranam</i>	<i>Iraipu, Vaanthy, Maantham</i>	I	KS
84	<i>Vilankaathy Chooranam</i>	<i>Pitham, Anda Vayvu</i>	I	AG
85	<i>Vellaruku Chooranam</i>	<i>Soolai, Kiranthai</i>	I	AG
86	<i>Aruthara Vadagam</i>	<i>Kiraani</i>	I	VRS
87	<i>Arithaki Vadagam</i>	<i>Maantham</i>	I	AG
88	<i>Impural Vadagam</i>	<i>Irumal</i>	I	SVT
89	<i>Ingi Vadagam</i>	<i>Vallai Noi, Mupini</i>	I	SVT
90	<i>Kanthaga Vadagam</i>	<i>Pandu</i>	I	SVT
91	<i>Karuvepillai Vadagam</i>	<i>Kazhichal</i>	I	SVT
92	<i>Lavangathy Vadagam</i>	<i>Iraipu, Moorchai</i>	I	AG
93	<i>Manapathiri Vadagam</i>	<i>Vayvu, Malachikal</i>	I	AG
94	<i>Naganaathy Vadagam</i>	<i>Kunmam</i>	I	KSRD
95	<i>Pirandai Vadagam</i>	<i>Pasideepanam</i>	I	SVT
96	<i>Thurpaathi Vadagam</i>	<i>Kiraani, Athisaram</i>	I	AG
97	<i>Thalisathi Vadagam</i>	<i>Kapham, Vaanthy</i>	I	TPT
98	<i>Valarakshi Vadagam</i>	<i>Irumal, Kapham</i>	I	AG
99	<i>Veerabathira Vadagam</i>	<i>Kapham</i>	I	KSRD
100	<i>Kilivasapaani Manapagu</i>	<i>Vartu Irumal, Nenju Varatchi</i>	I	SVT
101	<i>Avaarai Kirutham</i>	<i>Nirizivu, Mathumegam</i>	I	KSRD
102	<i>Aayil Pettai Ney</i>	<i>Athisaram, Kirani</i>	I	AG
103	<i>Inji Ney</i>	<i>Peruvayuru</i>	I	AG
104	<i>Koodivelli Ney</i>	<i>Shayam, Kiranthai</i>	I	AG
105	<i>Kathiritaathy Kirutham</i>	<i>Megam</i>	I	AG
106	<i>Kalyana Kirutham</i>	<i>Pitham, Erichal</i>	I	AG
107	<i>Kanjankorai Ney</i>	<i>Karappan</i>	I	BV
108	<i>Koozhpaanda Kirutham</i>	<i>Enpuriki, Erivu</i>	I	KSRD

109	<i>Lasunaathi Kirutham</i>	<i>Murchai, Kakaivali</i>	I	KSRD
110	<i>Muyal Ney</i>	<i>Kapha Nooi</i>	I	KSRD
111	<i>Narathapadi Ney</i>	<i>Athisaram</i>	I	AG
112	<i>Nayuruvi Ney</i>	<i>Perumpaadu</i>	I	AG
113	<i>Panchaviyak Ney</i>	<i>Kunmam, Pavuthiram</i>	I	KSRD
114	<i>Seerukanpeelai Ney</i>	<i>Masarai Puzhu</i>	I	BV
115	<i>Soothaga Sanniku Ney</i>	<i>Soothaga Noi</i>	I	TT
116	<i>Thuthuvalai Ney</i>	<i>Kapham 96, Enpuriki, Irumal</i>	I	SVT
117	<i>Thetukudi Ney</i>	<i>Iraipu, Vikkal</i>	I	AG
118	<i>Uthamani Ney</i>	<i>Athisaram</i>	I	BV
119	<i>Vaathasuronithathuku Ney</i>	<i>Soolai, Kunmam</i>	I	TV
120	<i>Viyaakiri Ney</i>	<i>Kaasam, Magotharam</i>	I	KSRD
121	<i>Ashwagandhi Rasayanam</i>	<i>Mega Suram, Pitham</i>	I	VRS
122	<i>Kandhaka Rasayanam</i>	<i>Kuttam, Moolam, Kunmam</i>	I	SVT
123	<i>Prangipattai Rasayanam</i>	<i>Thol Noigal</i>	I	AVRS
124	<i>Thippili Rasayanam</i>	<i>Kapham 96, Kaasam, Irumal</i>	I	SVT
125	<i>Ashwaganthi Legiyam</i>	<i>Agni Maantham, Irumal</i>	I	VRS
126	<i>Arathai Legiyam</i>	<i>Pinisam</i>	I	VRS
127	<i>Arithaki Legiyam</i>	<i>Kiraani, Kunmam</i>	I	VRS
128	<i>Irumaluku Legiyam</i>	<i>Irumal</i>	I	VRS
129	<i>Karisalai Legiyam</i>	<i>Paandu, Erichal</i>	I	AG
130	<i>Kanthi Puspa Legiyam</i>	<i>Moolam, Athisaram</i>	I	KSRD
131	<i>Kesari Legiyam</i>	<i>40 Pitham</i>	I	YK
132	<i>Kundalaathy Legiyam</i>	<i>Paandu, Kamalai</i>	I	AG
133	<i>Kandamalga Legiyam</i>	<i>Sagala Pitha Vayvu</i>	I	VRS
134	<i>Milagu Legiyam</i>	<i>Perumpaadu</i>	I	SVT
135	<i>Naarathai Legiyam</i>	<i>Pitha Kunmam</i>	I	SVT
136	<i>Narashima Legiyam</i>	<i>Vatha Rogam</i>	I	KSRD
137	<i>Pancha Deepakini Legiyam</i>	<i>Vayvu, Ushnam</i>	I	SVT
138	<i>Sarapunavilaathi Legiyam</i>	<i>Pitha Vettai, Enpuriki</i>	I	SVT
139	<i>Thetrankottai Legiyam</i>	<i>Pasimaantham, Enpu Suram</i>	I	SVT
140	<i>Thirikaduku Legiyam</i>	<i>Vayvu, Vayuruvali</i>	I	AGP
141	<i>Thipiyaathy Legiyam</i>	<i>Shayam, Suvsakasam</i>	I	VRS
142	<i>Villathi Legiyam</i>	<i>Pitha Vaanthi</i>	I	MSIK
143	<i>Vachirakarandi Legiyam</i>	<i>Sanni Suram, Maantham</i>	I	BV
144	<i>Venpoosani Legiyam</i>	<i>Manjal Noi, Vellai</i>	I	AVRS
145	<i>Ashwaganthi Balaalashaa Thailam</i>	<i>Sanni, Vantha Pitha Rogam</i>	E	TTVS
146	<i>Ajapanchaka Thailam</i>	<i>Kaakai Vali</i>	I / E	TTVS
147	<i>Aathandai Ennai</i>	<i>Thalai Vali</i>	E	KSRD
148	<i>Agathi Ennai</i>	<i>Karappan</i>	I	BV
149	<i>Amuthavalli Thailam</i>	<i>Nirizhivu</i>	E	AG
150	<i>Ashna Villathi Thailam</i>	<i>Mandai Soolai</i>	E	AG
151	<i>Baalar Kiranthi Kothi Ennai</i>	<i>Kiranthi</i>	I / E	SMM
152	<i>Ciru Kumari Thailam</i>	<i>Thalai Noi</i>	E	TTVS
153	<i>Inji Thailam</i>	<i>Thalai Noi, Peenisam</i>	I / E	TTVS
154	<i>Isnana Thailam</i>	<i>Kazuthu Vali</i>	E	KS
155	<i>Kajakarni Paraka Karka Thailam</i>	<i>Suram</i>	E	TTVS

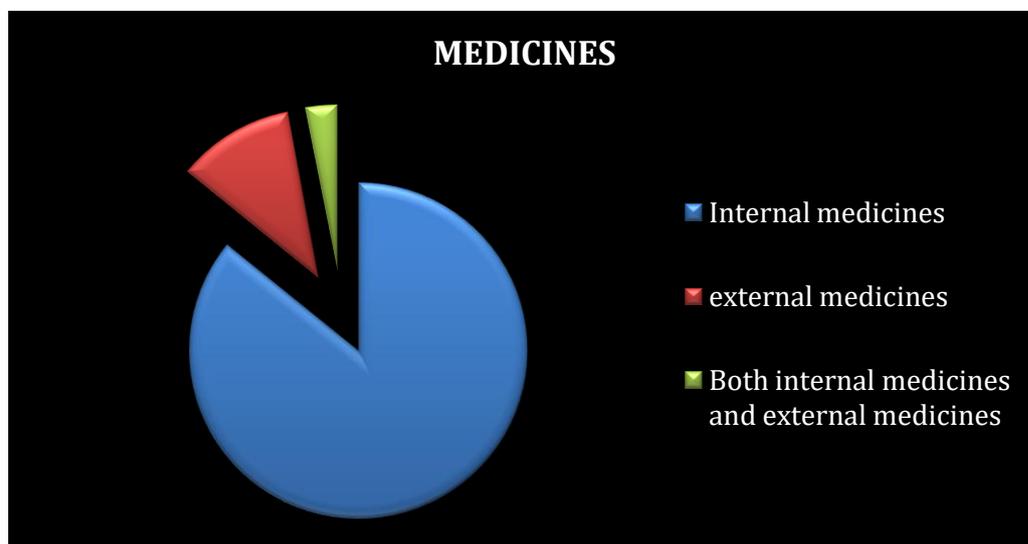
156	<i>Kumari Thailam</i>	<i>Kiranthi, Megasootu</i>	E	KSRD
157	<i>Kaaka Maasi Thailam</i>	<i>Urthiyulla Sariram</i>	I	TTVS
158	<i>Kiranthiku Ennai</i>	<i>Vaatha Soolai, Kunmam</i>	I	PV
159	<i>Kollaipattai Thailam</i>	<i>Suram, Vayuruvali</i>	E / I	AG
160	<i>Milagu Thailam</i>	<i>Sayvittu Rogam</i>	E / I	TTVS
161	<i>Megaari Thailam</i>	<i>Megaviranam</i>	I	TTVS
162	<i>Mezhugu Thailam</i>	<i>Kai Kaal Pidippu</i>	E	KS
163	<i>Maha Birunkaamala Thailam</i>	<i>Mayakam, Nethira Thosam</i>	E	AG
164	<i>Mampattai Ennai</i>	<i>Kaamalai</i>	I	BV
165	<i>Maasath Thailam</i>	<i>Soolai, Cevuttu</i>	E/I	AG
166	<i>Nuna Ennai</i>	<i>Vayvu, Kiraani</i>	I	AG
167	<i>Navakanda Thailam</i>	<i>Soolai, Kuttam</i>	E	AG
168	<i>Nochi Thailam</i>	<i>Kaasam, Shayam</i>	E	TTVS
169	<i>Nilapanaikizhangu Ennai</i>	<i>Pandu, Kaamalai</i>	E	AG
170	<i>Poothika Thailam</i>	<i>Kapala Soolai</i>	E / I	TTVS
171	<i>Poovarasam Pattai Ennai</i>	<i>Megavettai, Kuttam</i>	E	KS
172	<i>Pirandai Ennai</i>	<i>Kiraani</i>	I	AG
173	<i>Paeipirkan Thailam</i>	<i>Veekam, Vali</i>	E	BV
174	<i>Paeikumati Ennai</i>	<i>Vayvu Kunmam, Malachikal</i>	I	BV
175	<i>Saaranai Kalli Ennai</i>	<i>Ratha Kunmam</i>	I	TTVS
176	<i>Soolai Kuttara Thailam</i>	<i>Soolai</i>	I	TTVS
177	<i>Savuri Thailam</i>	<i>Kabala Soolai</i>	E	AGP
178	<i>Shaya Thailam</i>	<i>Shayam</i>	I	VRS
179	<i>Sukku Thailam</i>	<i>Vaatham, Thalal Noi</i>	E	SVT
180	<i>Sandhanaathi Ennai</i>	<i>Nirizhivu, Neeradaippu</i>	E	AG
181	<i>Seemuthathi Ennai</i>	<i>Sori, Sirangu</i>	E	AG
182	<i>Serangukaluku Ennai</i>	<i>Serangu</i>	E	AG
183	<i>Senkathiri Ennai</i>	<i>Karappan</i>	I	AG
184	<i>Thrikaduku Thiripalathi Ennai</i>	<i>Kiraani</i>	I	AGTM
185	<i>Ulunthu Thailam</i>	<i>Thalai Nadukam, Kai Kaal Vaali</i>	E	SVT
186	<i>Vaatha Naasa Thailam</i>	<i>Maantham</i>	E	TTVS
187	<i>Vaatha Sekari Thailam</i>	<i>Vaatha Rogam</i>	E	TTVS
188	<i>Vidathaari Ennai</i>	<i>Karappan</i>	E	BV
189	<i>Visha Rajanga Thailam</i>	<i>Mega Ooral</i>	I	KSRD
190	<i>Vepam Ennai</i>	<i>Sanni Suram, Kapham</i>	I	SV
191	<i>Vaatha Karapan Thailam</i>	<i>Karappan</i>	E	AGTM
192	<i>Anandha Bhairavam</i>	<i>Sagala Suram</i>	I	VRS
193	<i>Aya Veera Mathirai</i>	<i>Iraipu, Mudakku Vatham</i>	I	KS
194	<i>Anantha Kuligai</i>	<i>Suram, Maantham</i>	I	KSRD
195	<i>Asta Bhairava Maathirai</i>	<i>Suram</i>	I	MSIK
196	<i>Athevetaiya Mathirai</i>	<i>Kazhichal</i>	I	BV
197	<i>Ayakaanthaathy Mathirai</i>	<i>Paandu</i>	I	AG
198	<i>Bala Sanjeevi Mathirai</i>	<i>Suram, Irumal</i>	I	SVT
199	<i>China Sivapu Mathirai</i>	<i>Vayvu, Nenju Padapadipu</i>	I	SMM
200	<i>Deepakini Kuligai</i>	<i>Seeranam</i>	I	KSRD
201	<i>Gandakka Mathirai</i>	<i>Purna Suram</i>	I	PSM
202	<i>Iruvi Mathirai</i>	<i>Sanni Suram</i>	I	AG

203	<i>Irumal Mathirai</i>	<i>Kapha Noi, Irumal</i>	I	SMM
204	<i>Jalothaari Mathirai</i>	<i>Neeradaippu, Sura Vayvu</i>	I	SVT
205	<i>Kankaasa Mathirai</i>	<i>Kankaasam, Kan Padalam</i>	E	SVT
206	<i>Karavaala Mathirai</i>	<i>Abiniyasa Sanni</i>	I	SVT
207	<i>Kiraani Mathirai</i>	<i>Ajeerana Pethy, Agni Maantham</i>	I	KS
208	<i>Kakataan Mathirai</i>	<i>Suram</i>	I	KSRD
209	<i>Kiraani Kesari Kuligai</i>	<i>Kiraani</i>	I	KSRD
210	<i>Korosana Mathirai</i>	<i>Janni, Suram</i>	I	KSRD
211	<i>Korakar Mathirai</i>	<i>Atithallithai</i>	I	BV
212	<i>Kadukai Mathirai</i>	<i>Kalaipu, Vezhupu</i>	I	SMM
213	<i>Kalika Mathirai</i>	<i>Sanni Nooi</i>	I	SFI
214	<i>Koda Soori Kuligai</i>	<i>Kaasam, Vettai</i>	I	PSM
215	<i>Lakshmi Narayana Mathirai</i>	<i>Vaatha Pitha Nooi</i>	I	KSRD
216	<i>Lavangaathy Mathirai</i>	<i>Suram, Mantham</i>	I	KSRD
217	<i>Mathakajakanmaravam</i>	<i>Athisaram</i>	I	SVT
218	<i>Murukan Vithai Mathirai</i>	<i>Seetha Kattu</i>	I	SVT
219	<i>Mandura Mathirai</i>	<i>Kamaalai, Manneeral Veekam</i>	I	KSRD
220	<i>Mukadukaathy Mathirai</i>	<i>Maantham, Kazhi Maantham</i>	I	BV
221	<i>Maragatha Mathirai</i>	<i>Kulir Suram</i>	I	KSRD
222	<i>Neerkovai Mathirai</i>	<i>Sala Thoodam</i>	E	SVT
223	<i>Nasika Bharana Mathirai</i>	<i>Suram</i>	I	KSRD
224	<i>Nadha Vinthu Mathirai</i>	<i>Sanni Noi</i>	I	TV
225	<i>Pancha Rasa Kuligai</i>	<i>Vettai, Suram</i>	I	YK
226	<i>Punnai Ver Kuligai</i>	<i>Vayvu, Nenju Kuthu</i>	I	SMM
227	<i>Prathapakini Kunsaraan</i>	<i>Sanni, Suram</i>	I	SVT
228	<i>Ramabhanam</i>	<i>Suram</i>	I	AG
229	<i>Rathinathi Kuligai</i>	<i>Kanpadalam</i>	I	PV
230	<i>Suvasa Kudori Mathirai</i>	<i>Iraipu, Irumal</i>	I	SVT
231	<i>Sanjeevi Mathirai</i>	<i>Moola Nooi, Valikunmam</i>	I	SVT
232	<i>Soolai Kudaram</i>	<i>Iraipu Irumal</i>	I	SVT
233	<i>Siddhanantha Bairavam</i>	<i>Sanni, Suram</i>	I	KS
234	<i>Sodasa Mathirai</i>	<i>Suram</i>	I	KSRD
235	<i>Saathikai Mathirai</i>	<i>Rattha Moolam</i>	I	BV
236	<i>Selaerpana Naayan Mathirai</i>	<i>Sali Adaipu, Irumal</i>	I	SMM
237	<i>Sinthamani Mathirai</i>	<i>Valimai, Seerana Sakthi</i>	I	TK
238	<i>Sivanamarasa Mathirai</i>	<i>Kunmam</i>	I	AG
239	<i>Sura Naayakan</i>	<i>Suram</i>	I	TV
240	<i>Thamira Bhoopathy Kuligai</i>	<i>Thamara Vayvu, Narambu Thalarchi</i>	I	KSRD
241	<i>Thiri Thooda Mathirai</i>	<i>Kulir Suram, Sanni Suram</i>	I	SVT
242	<i>Venkara Mathirai</i>	<i>Kunmam 8, Pandu, Soolai</i>	I	SVT
243	<i>Vaalai Sinthamani</i>	<i>Suram</i>	I	SVT
244	<i>Vaalai Sanjeevi Kuligai</i>	<i>Salathosam, Sanni Suram</i>	I	AGP
245	<i>Vachira Mathirai</i>	<i>Kaathu Iraichal</i>	I	TT
246	<i>Vellai Venkaya Kuligai</i>	<i>Uppisam, Arosagam</i>	I	SMM
247	<i>Merukankizhangu Kaduku</i>	<i>Jeerana Suram</i>	I	VRS
248	<i>Pandu Kamalai Kaduku</i>	<i>Paandu, Kamalai</i>	I	AG
249	<i>Sanjeevi Arak Theener</i>	<i>Moolam, Kunmam, Kaamalai</i>	I	KSRD

250	<i>Kunmakudori Melugu</i>	<i>Vayvu, Vali</i>	I	MSIK
251	<i>Kasthuri Melugu</i>	<i>Thontai Kattu, Suram</i>	I	KSRD
252	<i>Linga Melugu</i>	<i>Mega Vayvu</i>	I	KS
253	<i>Milagu Melugu</i>	<i>Skin Disorders</i>	I	MSIK
254	<i>Mahaveera Melugu</i>	<i>Vaatharogam</i>	I	SVT
255	<i>Miruthinjaya Rasam</i>	<i>Seethalam, Suram</i>	I	KSRD
256	<i>Navauppu Melugu</i>	<i>Soolai, Soothaga Vayvu</i>	I	SVT
257	<i>Rasa Gandhi Melugu</i>	<i>Vedi Soolai, Puzhu Veetu</i>	I	SVT
258	<i>Kummati Kuzhambu</i>	<i>Kunmam, Kavisai</i>	I	SVT
259	<i>Puli Ellai Kuzhambu</i>	<i>Pandu, Soobai</i>	I	AG
260	<i>Thengai Kuzhambu</i>	<i>Vayiru Noigal</i>	I	SVT
261	<i>Nayuruvi Uppaathi Kuzhambu</i>	<i>Envagai Kunmam</i>	I	SVT
262	<i>Kumatikai Pathangam</i>	<i>Vaatha Soolai, Kunmam</i>	I	PV
263	<i>Sambirami Poo Panthangam</i>	<i>Suram, Nirizivu</i>	I	SVT
264	<i>Loga Chenthuram</i>	<i>Kirani, Kunmam</i>	I	AG
265	<i>Sennayuruvi Parpam</i>	<i>8 Vagai Kunmam</i>	I	AG
266	<i>Uppu Parpam</i>	<i>Kunmam</i>	I	TV
267	<i>Aya Jambeera Karpam</i>	<i>Pandu, Soobai</i>	I	SVT
268	<i>Milagu Karpam</i>	<i>Vali, Azal, Iya Noi</i>	I	TK
269	<i>Sivanar Amirtham</i>	<i>Suvasa Kasam</i>	I	SVT
270	<i>Paranigipatti Uppu</i>	<i>Megam, Kuttam</i>	I	AG
271	<i>Maeni Thean</i>	<i>Kasam, Iraipu</i>	I	MSIK
272	<i>Kenthathi Anjanam</i>	<i>Sathai Padalam, Nethira Noi</i>	E	AG
273	<i>Kuthirai Pugai</i>	<i>Maantha Valipu</i>	E	BV
274	<i>Kalika Mai Nasiyam</i>	<i>Sanni, Muyal Vali</i>	I / E	SFI
275	<i>Kan Marunthu</i>	<i>Kan Noigal</i>	E	TT
276	<i>Vatha Roga Patru</i>	<i>Vaatha Kudaichal</i>	E	KS

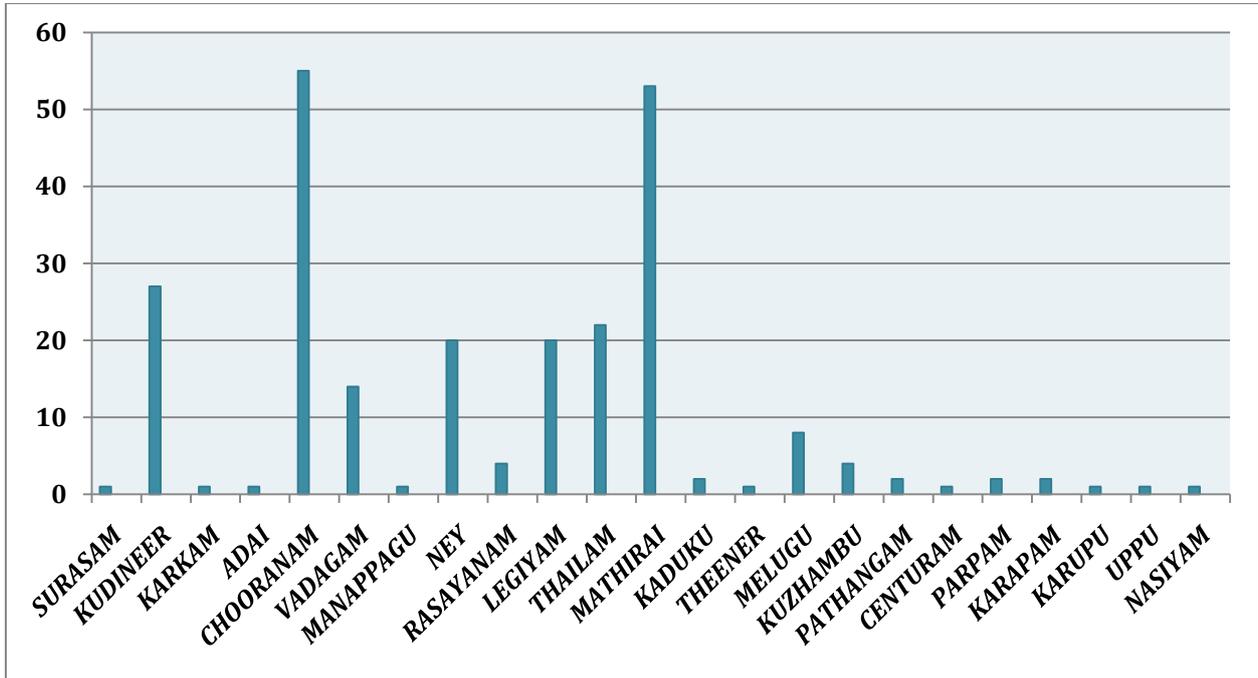
Types of medicine related to *Milagu* from prepared medicines

According to siddha system of medicine, medicines are classified as internal medicine and external medicine based on mode of application. The given figure shows types of medicines of *Milagu* from above table. From 276 medicines, 237 were internal medicines and 31 were external medicines and 8 were both internal and external.



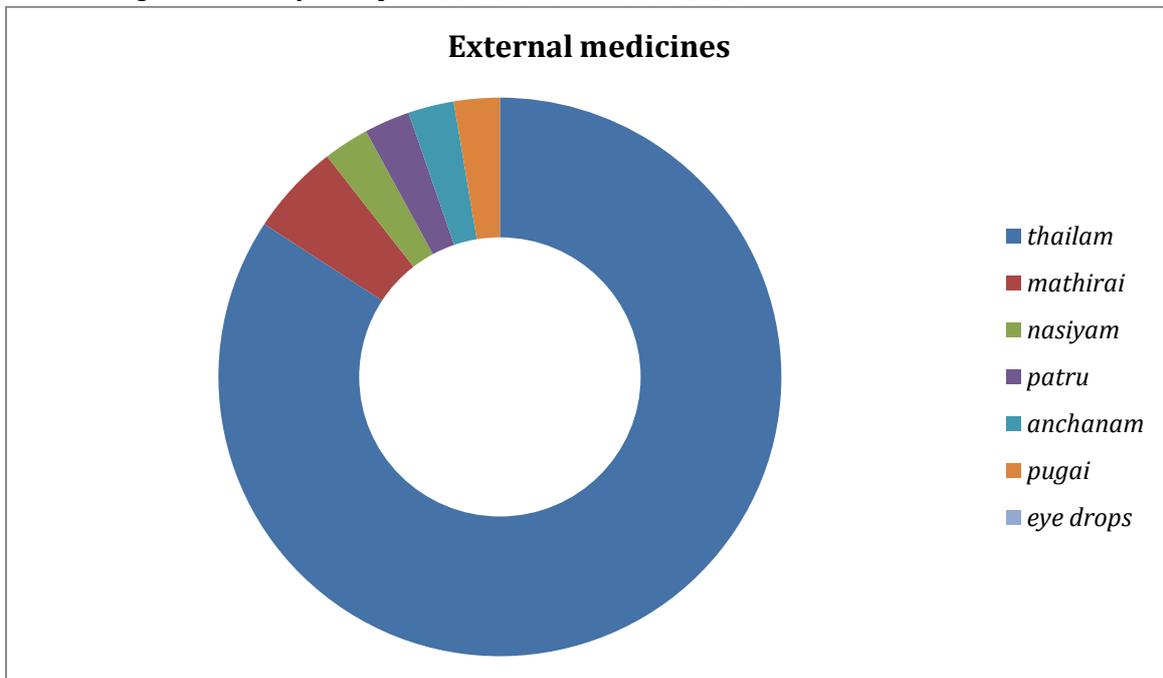
Types of Internal Medicines from These Prepared Medicines

Internal medicines were taken by oral route and it is divided into different categories, based on the preparation process, shelf life and so on. The below figure represents the types of internal medicines from above table consists of 276 medicines. Out of this *Chooranam* is highest with 55, 53 were *Mathirai*, 30 were *Kudineer*, 22 were *Thailam*, 20 were *Ney*, 20 were *Legiyum*, 14 were *Vadagam*, 8 were *Melugu*, 4 were *Kuzhambu*, 4 were *Rasayanam*, 2 were *Kaduku*, 2 were *Pathangam*, 2 were *Karpam*, 2 were *Parpam*, 1 were *Theener*, 1 were *Centuram*, 1 were *Nasiyam*, 1 were *Uppu*, 1 were *Karupu*, 1 were *Thean*, 1 were *Manappagu*, 1 were *Surasam*, 1 were *Karkam*, 1 were *Adai*.



Types of External Medicines from these Prepared Medicines

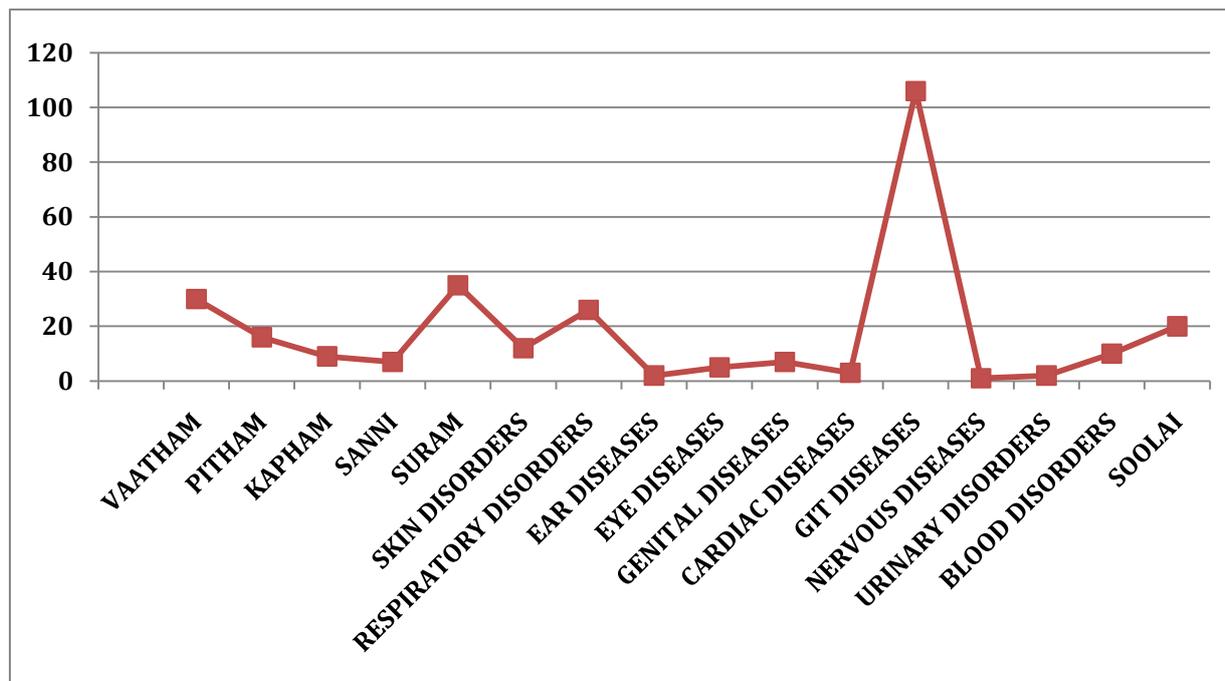
External medicines include drugs and certain applications like nasal, eye, ear drops and smoke, external apply of drugs, oils, and externally used tablets. Figure given below represents the types of external medicines from the above 276 prepared medicines. *Thailam* were 32, 2 were *Mathirai*, 1 were *Nasiyam*, 1 were *Patru*, 1 were *Anchanam*, 1 were *Pugai*, 1 were eye drops.



Diseases cured by Milagu from above Medicines

There is *Uyir Thathukal* in siddha system of medicine namely *Vaatham*, *Pitham*, *Kapham*. There inharmonious interactions cause various pathological conditions. All these diseases are caused by mixture of

Vatham, Pitham, Kapham. Increase or decrease in these *Uyir Thathukal* causes diseases and they are termed as *mukkutram*.



Milagu cure various diseases. Gastrointestinal diseases were highest with 106 preparations from above table such as *Porumal, Kazhichal, Kaantham, Uppisam, Kiraani, Thaakam, Alasalakattu, Kaamalai, Magotharam, Pethi, Athisaram* and so on. *Suram* were 35, *Vaatham* were 30, *Pitham* were 16 and *Kapham* were 9, *Sanni* were 7 such as *Piravasa sanni, Sanni noi, Amai sanni*. Skin disorders were 12 like *Karapan, Kiranthi, Kuttam, Sirangu, Padai, Sori*. Respiratory disorders were 26 such as *Irumal, Iraipu, Varatu Irumal, Kaasam, Peenisam, Salathoodam, Sali adaipu, shayam*. Ear diseases were 2 such as *Sayvittu rogam*. Eye diseases were 5 like *Nethira nooi, Kankaasam, Kan padalam*. Urinary diseases like *Neeradaipu* were 2. Nervous disorders like *Narambu thalarchi* were 1. Cardiac diseases were 3 like *Nenju padapadapu, Nenju kuthu, Iruthaya adaipu*. Blood disorders like *Paandu, Sobai, Pitha Sogai* were 10. *Soolai* were 20. Genital disorders were 7 *Virai veekam, Vellai, Vettai, Mega vettai, Megapini*.

CONCLUSION

This literature review provides elaborate documentary evidence related to *Milagu* and its medicinal uses in the Siddha system of medicine.

Annexure

- *Ag - Agathiyar 2000*^[1]
- *Agp - Agathiyar Paripuramam 400*^[2]
- *Agm - Agathiyar Thaila Muraikal*^[3]
- *Avrs - Agathiyar Vaidhiya Rathina Surukam*^[4]
- *Bv - Bala Vagadam*^[5]
- *Bk - Bogar Karapm 3000*^[6]
- *Hp - Hospital Pharmacopoeia*^[7]
- *Ksrd - Kannusamy Sikitcha Ratina Deepam*^[8]
- *Ks - Kannusamiyam*^[9]

- *Msik - Marunthu Sei Iyalum Kalaiyum*^[10]
- *Psm - Pharmacopoeia Of Siddha Medicine*^[11]
- *Pv - Pullipaani Vaidhiyam 500*^[12]
- *Svt - Siddha Vaithiya Thiratu*^[13]
- *Smm - Siddha Marunthu Murai Iyal*^[14]
- *Spi - Siddha Pharmacopoeia of India*^[15]
- *Sfi - Siddha Formulary of India*^[16]
- *Tpt - Theraiyar Padal Thirattu*^[17]
- *Tk - Theraiyar Kaappiyam*^[18]
- *Tk* - Theraiyar Kiyazham 100*^[19]
- *Tv - Theraiyar Vadagam*^[20]
- *Ttvs - Theraiyar Thaila Varga Surukam*^[21]
- *Tt - Theraiyar Tharu*^[22]
- *Vrs - Vaidhya Raja Sinthamani*^[23]
- *Yk - Yugi Karaisal - 151*^[24]

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