Pharmacogn. Res., 2026; 18(2):308-323.
https://www.phcogres.com

Review Article

Enumeration of Botanicals of Flower, Fruit and Seed Origin Occurring in the Siddha Book *Gunapadam* by Murugesa Mudaliar

Brindha Sundaramoorthy[1], Erni Bobbili[1], Divya Kallingil Gopi[1], Sunil Kumar Koppala Narayana[1,*], Aravind Dhanush[2], Kanagarajan Arumugam[3], Narayanan Jegathambal Muthu Kumar[4]

[1]Department of Pharmacognosy, Siddha Central Research Institute (CCRS), Arumbakkam, Chennai, Tamil Nadu, INDIA.
[2]Department of Medicinal Botany, National Institute of Siddha, GST Road, Tambaram Sanatorium, Chennai, Tamil Nadu, INDIA.
[3]Siddha Central Research Institute (CCRS), Arumbakkam, Chennai, Tamil Nadu, INDIA.
[4]Central Council for Research in Siddha (CCRS), GST Road, Tambaram Sanatorium, Chennai, Tamil Nadu, INDIA.

ABSTRACT

Background: Siddha medicine, with its origin in Tamil Nadu, depicts Tamil culture and way of living. The basis of Siddha medicine is the literary works by Siddhars (physicians who practiced Siddha medicine). Such knowledge is documented after exhaustive practice and experience and is entirely written in Tamil scripts. The main reason for the system being undisclosed through the years is the language barrier. With the efforts of Indian Government, through bodies like Ministry of Ayush, the native/alternative systems of Indian medicines were revived with modern strategies and campaigns. Consequently, they are gaining popularity and awareness among people in India and around the globe. The Siddha system of medicine recorded its popularity during the COVID-19 pandemic and was one of the integrative therapies prescribed by Ministry of Ayush. With this growing popularity of Siddha, it is absolutely necessary to make information about medicinal herbs recorded in Siddha system of medicine accessible to the public so that researchers and the public can redily obtain reliable data on these herbs. This study is designed to list out all flower, fruit and seed origin raw drugs mentioned in the book *Gunapadam* (*Mooligai Vaguppu*) authored by Murugesa Mudaliar. This book was chosen as it is a most referred book on medicinal plants mentioned in Siddha system, followed as text book in Siddha curriculum and it is also a scheduled book in the Drugs and Cosmetics Act, 1940. **Results and Discussion:** This enumeration is planned as an effort to list out the incredible medicinal plants resources documented in Siddha system of medicine. After a thorough analysis, a total of 96 flower drugs, 126 fruit drugs and 188 seed drugs are listed with their valid botanical names. **Conclusion:** This compilation will serve as an exclusive catalogue of botanicals derived from flowers, fruits, and seeds, as documented by Murugesa Mudaliar in the *Gunapadam* under the *Mooligai vaguppu* (vegetable section). It is intended to provide a valuable reference for scholars and the public engaged in exploring new therapeutic agents from the Siddha system of medicine.

Keywords: Ethnobotany, Herbal drugs, Medicinal herbs, Siddha literature, Traditional medicines.

Correspondence:
Dr. Sunil Kumar Koppala Narayana
Department of Pharmacognosy, Siddha Central Research Institute (CCRS), Arumbakkam, Chennai, Tamil Nadu, India.
Email: kn.sunil@gov.in

Received: 15-09-2025;
Revised: 26-11-2025;
Accepted: 06-01-2026.

INTRODUCTION

Siddha is one of the oldest, traditional Indian systems of medicine, which uses predominantly herbs, along with metal/mineral and animal-origin drugs. Even though the basic raw materials of the Siddha system are derived from herbs, metals/minerals and products of animal origin were also given great emphasis by ancient Siddhars, who laid the foundation for this system. Most of their documented works were lost and only very few residual scripts were found and preserved, and were transcribed and translated as Siddha literature asa reference for reference the current and future generations.

Gunapadam (Siddha Materia Medica) is one of the branches of Siddha system of medicine which broadly deals with raw drugs sourced from plants, minerals and animals along with their purification and preparation methodologies. '*Gunapadam Vol-1*' is the notable work of KS Murugesa Mudaliar encompassing particulars of an individual raw drug in terms of Siddha/ Tamil name, botanical name, vernacular names, parts used, organoleptic characters, category, pharmacological actions, indications, formulation procedures, etc. The book was recently enlisted among the 88 Siddha books in the draft of Ministry of Ayush to be published under the 'Amendment in the Drugs and Cosmetics Act, 1940 (23 of 1940)'. Separate volumes were

DOI: 10.5530/pres.20260010

published emphasizing the category of origin of drugs namely *Mooligai vaguppu* (Herbal origin), *Thathu vaguppu* (Mineral origin), and *Seeva vaguppu* (Animal origin). The book educates about the above-mentioned details of individual raw drugs; however, one has to refer and apply the acquired knowledge to work on a particular polyherbal formulation taking into account the synergistic and interactive effects among the single drugs. Thus, being a compendium of basic information about raw drugs, this book is being used by different classes of information seekers such as students, researchers, medical professionals, etc. A comprehensive list was lacking when it comes to the botanical sources for the drugs mentioned in the book. Hence, they were studied, by interpreting the text and the song mentioned under each drug and listed in this paper along with their botanical names.

The author, who was referred as '*Pandit Vaidyaratnam*' compiled *Gunapadam mooligai vaguppu* for the purpose of students of Indian medicine. Some of his noted works were *Balavagadam* (Siddha Paediatrics), *Nanju Nool Maruthuvam* (Siddha Toxicology), etc. Apart from these he also decoded *Agathiyar Gunavagadam* manuscripts, the contents of which were also used in the compilation of Materia medica.

MATERIALS AND METHODS

Drugs of herbal origin were listed from *Gunapadam Mooligai vaguppu* book volumes 1(Murugesa, 2018 Vol 1; Murugesa, 2018 Vol 2) and 2, the latest edition, published in the year 2018. Accepted names/synonyms along with author citation were tabulated for each drug along with the page number and volume. In cases where the accepted name of the drug is different from the botanical name mentioned in the book, the former is

Table 1: Flower drugs mentioned in Gunapadam by Murugesa Mudaliar.

Sl. No.	Siddha Name	Accepted Name	Page/s	Volume
1	*Agathi*	*Sesbania grandiflora* (L.) Poir.	25-8	I
2	*Asogu* (Inf.)	*Saraca asoca* (Roxb.) Willd.	39	I
3	*Alari* (Inf.)	*Nerium oleander* L.	81	I
4	*Alisi* (Inf.and seed)	*Linum usitatissimum* L.	82	I
5	*Alli*	*Nymphaea nouchali Burm*. f.	85	I
6	*Azhavanam* (Inf.)	*Lawsonia inermis* L.	94	I
7	*Annasi poo*	Illicium verum Hook.f.	108	I
8	*Adathodai* (Inf.)	*Justicia beddomei* (C.B.Clarke) Bennet	114	I
9	*Adayoti* (Inf.)	*Pupalia orbiculata Wight* (U)	119	I
10	*Alamaram* (Inf.)	*Ficus benghalensis* L.	139	I
11	*Avaarai* (Inf.)	*Senna auriculata* (L.) Roxb.	143	I
12	*Ali virai* (Inf.)	*Lepidium sativum* L.	147	I
13	*Iruvatchi* (Inf.)	*Jasminum sambac* (L.) Aiton	177-8	I
14	*Ilavankam* (Inf.)	*Syzygium aromaticum* (L.) Merr. and L.M.Perry	183-5	I
15	*Ilavu maram*	*Bombax ceiba* L.	193	I
16	*Ilavu* (Mul)	*Bombax ceiba* L. syn. *B. malabaricum* DC.	190	I
17	*Iluppai* (Inf.)	*Madhuca longifolia* (L.) J.F.Macbr.	195-6	I
18	*Citreechu* (Immature flower) (Inf.)	*Phoenix sylvestris* (L.) Roxb.	203	I
19	*Pereechu* (Immature flower) (Inf.)	*Phoenix dactylifera* L.	205-8	I
20	*Eezhathalari* (Inf.)	*Plumeria rubra* L.	211	I
21	*Usilamaram* (Inf.)	*Albizia odoratissima* (L.f.) Benth.	215	I
22	*Oomathai*	*Datura metel* L.	228	I
23	*Erukku* (Inf.)	*Calotropis gigantea* (L.) Dryand.	245-6	I
24	*El*	*Sesamum indicum* L.	258	I
25	*Kanja* (Inf.)	*Cannabis sativa* L.	286-91	I

Sl. No.	Siddha Name	Accepted Name	Page/s	Volume
26	*Kandangathiri* (Inf.)	*Solanum virginianum* L. syn. *Solanum surratense* Burm.f.	334	I
27	*Kamugu* (Immature flower, Inf.)	*Areca catechu* L.	347	I
28	*Kattu iruppai* (Inf.)	*Madhuca longifolia var. latifolia* (Roxb.) A.Chev. syn. *Madhuca indica* J.F.Gmel.	441	I
29	*Kottaikarandhai* (Inf.)	*Sphaeranthus indicus* L.	352-3	I
30	*Kalyanamurukku* (Inf.)	*Erythrina variegata* L.	383-4	I
31	Kazhunir	*Nymphaea alba* L.	392	I
32	*Perunkalarva* (Inf.)	*Salvadora persica* var. wightiana (Planch. ex Thwaites) Verdc. syn. *Salvadora indica* Wight	394-5	I
33	*Sirukala* (Inf.)	*Carissa spinarum* L.	397,399	I
34	*Kattathi* (Inf.)	*Woodfordia fruticosa* (L.) Kurz	434-6	I
35	*Kattu vagai* (Inf.)	*Albizia lebbeck* (L.) Benth.	465	I
36	Kichilipazham	*Citrus aurantium* L.	483-7	I
37	*Pannai keerai* (Inf.)	*Celosia argentea* L.	506	I
38	Pulichiru keerai	*Hibiscus cannabinus* L.	514	I
39	*Kungumapoo* (style and stigma)	*Crocus sativus* L.	532-5	I
40	*Kurukathi* (Inf.)	*Hiptage benghalensis* (L.) Kurz	553	I
41	*Kadarkonji* (Inf.)	*Murraya paniculata* (L.) Jack.	576	I
42	*Sarakonrai* (Inf.)	*Cassia fistula* L.	603	I
43	*Senkonrai* (Inf.)	*Cassia roxburghii* DC.	609	I
44	*Maikonrai* (Inf.)	*Caesalpinia pulcherrima* (L.) Sw. syn. *Poinciana pulcherrima* L.	611	I
45	Shenbagam	*Magnolia champaca* (L.) Baill. ex Pierre syn. *Michelia champaca* L.	631-4	I
46	*Sathaguppai* (Inf.)	*Anethum graveolens* L.	637	I
47	*Samanthi poo* (Inf.)	*Glebionis coronaria* (L.) Cass. ex Spach syn. *Chrysanthemum coronarium* L.	651-2	I
48	*Sivanar vembu* (Inf.)	*Indigofera aspalathoides* Vahl ex DC.	664	I
49	Sirunagapoo	*Mesua ferrea* L. syn. *M. nagassarium* (Burm. f.) Kosterm.	667	I
50	*Peruncirakam* (Inf.)	*Pimpinella anisum* L.	702	I
51	*Sooryagandhi* (Inf.)	*Helianthus annuus* L.	39	II
52	Sembarathai	*Hibiscus rosa-sinensis* L.	42-4	II
53	Sembaruthi	*Gossypium arboreum* L.	44	II
54	*Sembai* (Inf.)	*Sesbania sesban* (L.) Merr.	46-7	II
55	*Sembu* (Inf.)	*Colocasia esculenta* (L.) Schott	50-2	II
56	*Thara* (Inf.)	*Fumaria parviflora* Lam.	72-4	II
57	Thamarai	*Nelumbo nucifera* Gaertn.	78-81	II
58	*Thazhai* (Inf.)	*Pandanus odorifer* (Forssk.) Kuntze	82-4	II
59	Thuthi	*Abutilon indicum* (L.) Sweet	105-7	II
60	*Thumbai* (Inf.)	*Leucas aspera* (Willd.) Link	109-12	II

Sl. No.	Siddha Name	Accepted Name	Page/s	Volume
61	Thuthuvalai (Inf.)	*Solanum trilobatum* L.	121-5	II
62	*Thengumaram* (Inf.)	*Cocos nucifera* L.	127-8	II
63	*Thetkodukku* (Inf.)	*Heliotropium indicum* L.	135-6	II
64	Nandiyavattam	*Tabernaemontana divaricata* (L.) R.Br. ex Roem. and Schult.	153-4	II
65	*Neermulli* (Inf.)	*Hygrophila auriculata* (Schumach.) Heine syn. H. schulli M.R.Almeida and S.M.Almeida	199	II
66	Neichitti(Inf.)	*Cyanthillium cinereum* (L.) H.Rob. syn. *Vernonia cinerea* (L.) Less.	207-8	II
67	Neidharkizhangu	*Nymphaea pubescens* Willd.	209-10	II
68	*Nelli* (Inf.)	*Phyllanthus emblica* L. syn. *Emblica officinalis* Gaertn.	248	II
69	*Nochi* (Inf.)	Vitex negundo L.	258-61	II
70	*Paruthi* (Inf.)	*Gossypium herbaceum* L.	273-5	II
71	*Palasu* (Inf.)	*Butea monosperma* (Lam.) Kuntze	283-6	II
72	*Panai* (Inf.)	*Borassus flabellifer* L.	296-304	II
73	Panneer poo	*Rosa centifolia* L.	304-6	II
74	Paathiri(Inf.)	*Stereospermum colais* (Buch.-Ham. ex Dillwyn) Mabb.	313-5	II
75	*Peernaari maram* (Inf.)	*Sterculia foetida* L.	341	II
76	*Pungu* (Inf.)	*Pongamia pinnata* (L.) Pierre	354	II
77	*Puli* (Inf.)	*Tamarindus indica* L.	360-4	II
78	*Punnai* (Inf.)	*Calophyllum inophyllum* L.	369-70	II
79	Poovarasu	*Thespesia populnea* Sol.ex. Correa	372-3	II
80	Magizh	*Mimusops elengi* L.	390-1	II
81	*Madana kamapoo* (Inf.)	*Cycas circinalis* L.	403	II
82	*Manthaarai* (Inf.)	*Bauhinia purpurea* L.	404-5	II
83	*Malli* (Inf.)	*Jasminum grandiflorum* L.	419-20	II
84	*Maa* (Inf.)	*Mangifera indica* L.	422-32	II
85	Mathulai	*Punica granatum* L.	437-43	II
86	*Murungai* (Inf.)	*Moringa oleifera* Lam.	468-75	II
87	*Vandukolli* (Inf.)	*Senna alata* (L.) Roxb. syn. *Cassia alata* L.	496	II
88	*Vaagai* (Inf.)	*Albizia lebbeck* (L.) Benth.	510	II
89	*Vazhai* (Inf.)	*Musa* × *paradisiaca* L.	524-34	II
90	*Vilvam* (Inf.)	*Aegle marmelos* (L.) Corrêa	538-44	II
91	*Venkayam* (Inf.)	*Allium cepa* L.	559-69	II
92	*Vetchi* (Inf.)	*Ixora coccinea* L.	562-3	II
93	*Vembu* (Inf.)	*Azadirachta indica* A. Juss.	588-601	II
94	*Malai vembu* (Inf.)	*Melia azedarach* L.	602-3	II
95	*Peekaruvel* (Inf.)	*Vachellia farnesiana* (L.) Wight and Arn. syn. *Acacia farnesiana* (L.) Willd.	611-2	II
96	*Velai* (Inf.)	*Cleome viscosa* L.	614-5	II

syn.- Synonym; U - Unplaced name; Inf. – Inflorescence.

mentioned in brackets as synonym. The 'Unplaced' statuses were also updated as per world flora online plant list (wfoplantlist.org). The term '*poo*' was included under the category of flower drugs, '*kuruthu*' has been listed separately as immature flower; inflorescence (Inf.) has been mentioned in brackets after drug names; special parts such as style and stigma is stated in case of '*kungumapoo*'; '*kaai*' and '*pazham*' were considered under fruits; '*Nungu*' is mentioned as immature fruit; '*virai*', '*vithai*', '*vithu*' '*kottai*' and '*paruppu*' were listed under seed category. There were certain entries in which botanical names were not mentioned for certain Siddha drugs, however, botanical parts and uses were listed. Such entries were considered under the same category of the botanical part mentioned in the book, but the botanical name has been kept blank, leaving scope for further research in finding the exact botanical source of the plant. It was chosen not to mention the medicinal uses of the drugs as it would be elaborate replication of the book itself; readers can easily find the Siddha medicinal uses of that particular drug in the page numbers listed beside each drug. Some drugs were mentioned using the parts such as *Alamaram, Usilamaram, Kichlipazham,* etc, in which the terms '*maram*', '*pazham*' meant tree and fruit respectively in tamil language, which might be used by the author to denote the plant by a common term for easy identification and not the part alone in specific. In such cases it was chosen not to alter the names used in the book since it might confuse the readers, and the part under which it was listed may kindly be considered. The names of the drugs listed in the index of the book remain in the order of the Tamil alphabets, however, it has not been followed in the cases of subcategories such as *Akrottu, Nattu akrottu,* etc.

RESULTS

As there are several botanicals mentioned in the book, reproductive parts such as flowers (Table 1), fruits (Table 2) and seed drugs (Table 3) alone are enlisted in this communication.

A total of 410 botanical drugs originated from flower, fruit and seed are mentioned in this book. There are 49 monographs published in Siddha Pharmacopoeia of India which originates from said botanical parts are also listed (Table 4).

DISCUSSION

More than half of the world's population prefers alternative system of medicine over conventional system (Pal, 2002). Some of the common alternative systems of medicine in India includes Siddha, Ayurveda, Homeopathy, Unani, Sowa Rigpa, etc., which are practised among the diversified population of our country. It is observed that these alternative systems are chosen over the conventional system mostly by patients with chronic illnesses such as arthritis, cancer etc (Astin *et al.*, 2006; Challahan *et al.*, 2009; Metcalfe *et al.*, 2010). WHO implemented Traditional Medicine

Table 2: Fruit drugs mentioned in Gunapadam by Murugesa Mudaliar.

Sl. No.	Siddha Name	Botanical name	Page/s	Volume
1	*Athi*	*Ficus racemosa* L.	47-52	I
2	*Ammanpacharisi*	*Euphorbia parviflora* L. syn. *E. pilulifera* L.	66-8	I
3	*Arivalmooku pachilai*	*Sida acuta Burm.* f.	76	I
4	*Arunelli*	*Phyllanthus acidus* (L.) Skeels	77	I
5	*Alli*	*Nymphaea nouchali Burm.* f.	85	I
6	*Avarai*	*Lablab purpureus* (L.) Sweet	87-9	I
7	*Annasi pazham*	*Ananas comosus* (L.) Merr.	107	I
8	*Adaiyoti*	*Pupalia orbiculata* Wight (U)	119	I
9	*Athandam*	*Capparis zeylanica* L.	120	I
10	*Alamaram*	*Ficus benghalensis* L	136	I
11	*Aalpogoda pazham*	*Prunus domestica* L.	140-1	I
12	*Attruthummatti*	*Citrullus colocynthis* (L.) Schrad.	153	I
13	*Aanaipuliyamaram*	*Adansonia digitata* L.	159	I
14	*Ingimaram*	*Libidibia coriaria* (Jacq.) Schltdl. syn. *Caesalpinia coriaria* (Jacq.) Willd.	160	I
15	*Ithi*	*Ficus microcarpa* L.f.	171	I
16	*Ilanthai*	*Ziziphus mauritiana* Lam.	181-2	I
17	*Iluppai*	*Madhuca longifolia* (L.) J.F.Macbr.	196	I
18	*Citreechu*	*Phoenix sylvestris* (L.) Roxb.	203	I

Sl. No.	Siddha Name	Botanical name	Page/s	Volume
19	*Pereechu*	*Phoenix dactylifera* L.	205-8	I
20	*Uka*	*Salvadora persica* L.	213	I
21	*Oomathai*	*Datura metel* L.	229-30	I
22	*Etti*	*Strychnos nux-vomica* L.	235-42	I
23	*Elumichai*	*Citrus limon* (L.) Osbeck	252-4	I
24	*Ellu*	*Sesamum indicum* L.	259	I
25	*Periya elam*	*Elettaria cardamomum* (L.) Maton	262-5	I
26	*Aivirali*	*Diplocyclos palmatus* (L.) C. Jeffrey	270-1	I
27	*Kadambu*	*Neolamarckia cadamba* (Roxb.) Bosser syn. *Anthocephalus cadamba* (Roxb.) Miq.	294	I
28	*Kadarthengai*	*Lodoicea maldivica* (J.F.Gmel.) Pers.	303-4	I
29	*Kadaranarathai*	*Citrus medica* L.	304-5	I
30	*Kadukkai*	*Terminalia chebula* Retz.	313	I
31	*Kandangathiri*	*Solanum virginianum* L. syn. *Solanum surratense* Burm.f.	332-4	I
32	*Kathiri*	*Solanum melongena* L.	339-43	I
33	*Kambali poochi chedi*	*Morus alba* L.	348-9	I
34	*Kaliyana poosanikkai*	*Benincasa hispida* Cogn.	379-81	I
35	*Kazharchi kodi*	*Guilandina bonduc* L. syn. *Caesalpinia bonduc* (L.) Roxb.	388-91	I
36	*Kalumichankaai*	BNU	385	I
37	*Perunkalarva*	*Salvadora persica* var. *wightiana* (Planch. ex Thwaites) Verdc. syn. *Salvadora indica* Wight	394-5	I
38	*Sirukala*	*Carissa spinarum* L.	397	I
39	*Kakkaikolli*	*Anamirta cocculus* (L.) Wight and Arn.	427-8	I
40	*Karimulli*	*Solanum anguivi* Lam.	410-2	I
41	*Kattaathi*	*Bauhinia tomentosa* L.	434	I
42	*Kattaathi*	*Woodfordia fruticosa* (L.) Kurz	434-6	I
43	*Kattu elumichai*	*Atalantia monophylla* (L.) DC. syn. *A. malabarica* (Raf.) Tanaka	444-5	I
44	*Kattu thumatti*	*Cucumis melo* L. syn. *C. trigonus* Roxb.	459	I
45	*Kattu pagal*	*Momordica dioica* Roxb. ex Willd.	460-1	I
46	*Kai valli kodi*	*Dioscorea alata* L.	469-70	I
47	*Nattukaivalli*	BNU	471	I
48	*Karai*	*Catunaregam spinosa* (Thunb.) Tirveng.	473-4	I
49	*Kichilipazham*	*Citrus* × *aurantium* L.	483-7	I
50	*Kumizhamaram*	*Gmelina arborea* Roxb. (U)	550-2	I
51	*Kurattai*	*Trichosanthes tricuspidata* Lour.	557-9	I
52	*Kothavarai*	*Cyamopsis tetragonoloba* (L.) Taub.	588	I
53	*Koyya*	*Psidium guajava* L.	593-4	I
54	*Korukkai puli*	*Pithecellobium dulce* (Roxb.) Benth.	601	I

Sl. No.	Siddha Name	Botanical name	Page/s	Volume
55	*Sarakonrai*	*Cassia fistula* L.	606	I
56	*Kovai*	*Coccinia grandis* (L.) Voigt	622-4	I
57	*Sathikkai*	*Myristica fragrans* Houtt.	647-9	I
58	*Sirunagapoo*	*Mesua ferrea* L. syn. *M. nagassarium* (Burm. f.) Kosterm.	665-8	I
59	*Sirupeyathhi*	*Ficus hispida* L.f.	669	I
60	*Seekai*	*Senegalia rugata* (Lam.) Britton and Rose syn. *Acacia sinuata* (Lour.) Merr.	675-8	I
61	*Seetha*	*Annona squamosa* L.	679-80	I
62	*Seemai athi*	*Ficus carica* L.	688-9	I
63	*Cirakam*	*Cuminum cyminum* L.	690-4	I
64	*Sukkan kai*	BNU	25	II
65	*Sundai*	*Solanum torvum* Sw.	32-4	II
66	*Surai*	*Lagenaria siceraria* (Molina) Standl.	34-7	II
67	*Soorai*	*Ziziphus oenopolia* (L.) Mill.	40	II
68	*Seppu nerunjil*	*Psoralea pinnata* L. syn. *I. enneaphylla* L.	41	II
69	*Sembaruthi*	*Gossypium arboreum* L.	44-5	II
70	*Thakkali*	*Physalis minima* L.	63-4	II
71	*Seemai thakkali*	*Solanum lycopersicum* L. syn. *Lycopersicon esculentum* Mill.	64	II
72	*Manathakkali*	*Solanum nigrum* L.	65-7	II
73	*Thamaratham*	*Averrhoa carambola* L.	71	II
74	*Thalipanai*	*Corypha umbraculifera* L.	87	II
75	*Thanri*	*Terminalia bellirica* (Gaertn.) Roxb.	88-90	II
76	*Thippili*	*Piper longum* L.	91-6	II
77	*Aanai thippili*	*Scindapsus officinalis* (Roxb.) Schott	97	II
78	*Thiratchai*	*Vitis vinifera* L.	98-100	II
79	*Thumbilikai*	*Diospyros malabarica* (Desr.) Kostel. *syn. D. peregrina* (Gaertn.) Gürke	108-9	II
80	*Thuthuvalai*	*Solanum trilobatum* L.	121-5	II
81	*Thettran*	*Strychnos potatorum* L.f.	141-2	II
82	*Naruvili*	*Cordia dichotoma* G.Forst.	159	II
83	*Naagathali*	*Opuntia stricta* (Haw.) Haw.	163-4	II
84	*Naval*	*Syzygium cumini* (L.) Skeels	175-9	II
85	*Nuna*	Morinda coreia Buch.-Ham. syn. *Morinda tinctoria* Roxb.	202-6	II
86	*Siru nerunjil*	BNU	213-5	II
87	*Nelli*	*Phyllanthus emblica* L. syn. *Emblica officinalis* Gaertn.	247-53	II
88	*Pappali*	*Carica papaya* L.	264-6	II
89	*Mochai*	*Lablab purpureus* (L.) Sweet	270-1	II
90	*Payatrangai*	*Vigna unguiculata* subsp. *unguiculata* syn. *Dolichos tranquebaricus* Jacq.	272	II

Sl. No.	Siddha Name	Botanical name	Page/s	Volume
91	*Paruthi*	*Gossypium herbaceum* L.	273-5	II
92	*Pala*	*Artocarpus heterophyllus* Lam.	279-82	II
93	*Parangikkai*	Cucurbita maxima Duchesne	291-2	II
94	*Pagal*	*Momordica charantia* L.	308-12	II
95	*Theempalai*	*Wattakaka volubilis* Stapf	318-9	II
96	*Pavattai*	*Pavetta indica* L.	324-6	II
97	*Bilimbi*	*Averrhoa bilimbi* L.	337-8	II
98	*Peerku*	*Luffa acutangula* Roxb.	343	II
99	*Pudal*	*Trichosanthes cucumerina* L.	356-7	II
100	*Puli*	*Tamarindus indica* L.	359-66	II
101	*Poovarasu*	*Thespesia populnea* Sol. ex Corrêa	372-3	II
102	*Poduthalai*	*Phyla nodiflora* (L.) Greene	382-4	II
103	*Magizh*	*Mimusops elengi* L.	390-2	II
104	*Mangustan*	*Garcinia mangostana* L.	393-4	II
105	*Manipungu*	*Sapindus laurifolius* Vahl	400-2	II
106	*Marakkarai*	*Catunaregam spinosa* (Thunb.) Tirveng.	407-11	II
107	*Marima*	*Spondias pinnata* (L.f.) Kurz.	411-2	II
108	*Maruthu*	*Terminalia arjuna* (Roxb. ex DC.) Wight and Arn.	414-5	II
109	*Ma*	*Mangifera indica* L.	422-32	II
110	*Mathulai*	*Punica granatum* L.	437-43	II
111	*Milagai*	*Capsicum annuum* L.	449-51	II
112	*Seemai milagai*	*Capsicum frutescens* L.	451-2	II
113	*Vaal milagu*	*Piper cubeba* L.f.	457-9	II
114	*Munthiri*	*Anacardium occidentale* L.	452-8	II
115	*Murungai*	*Moringa oleifera* Lam.	468-75	II
116	*Mulam*	*Citrullus lanatus* (Thunb.) Matsum. and Nakai syn. *C. vulgaris* Schrad.	476-7	II
117	*Valamburikkai*	*Helicteres isora* L.	498-9	II
118	*Vanni*	*Prosopis cineraria* (L.) Druce syn. *P. spicigera* L.	507-9	II
119	*Vazhai*	*Musa* × *paradisiaca* L.	524-34	II
120	*Vilvam (Matured and immature fruit)*	*Aegle marmelos* (L.) Corrêa	538-44	II
121	*Vizhuthi*	*Cadaba trifoliata* (Roxb.) Wight and Arn.	545-6	II
122	*Vila*	*Limonia acidissima* Houtt. (U)	547-52	II
123	*Vendaikkai*	*Abelmoschus esculentus* Moench	567	II
124	*Vellarikkai*	*Cucumis sativus* L.	572-3	II
125	*Vembu*	*Azadirachta indica* A. Juss.	588-601	II

BNU - Botanical name unavailable; Syn - Synonym; U - Unplaced name

Table 3: Seed drugs mentioned in Gunapadam by Murugesa Mudaliar.

Sl. No.	Siddha Name	Botanical Name	Page/s	Vol
1	*Akrottu*	*Juglans regia* L.	35	I
2	*Nattu akrottu*	*Aleurites triloba* J.R. Forst. and G. Forst. (U)	36-8	I
3	*Amukkara*	*Withania somnifera* (L.) Dunal	63	I
4	*Arasu*	*Ficus religiosa* L.	71	I
5	*Arival mooku pachilai*	*Sida acuta* Burm.f.	76	I
6	*Arunelli*	*Phyllanthus acidus* (L.) Skeels	79	I
7	*Alisi vithai*	*Linum usitatissimum* L.	82	I
8	*Azhavanam*	*Lawsonia inermis* L.	94	I
9	*Azhinjil*	*Alangium salviifolium* (L.f.) Wangerin	96-9	I
10	*Arukeerai*	*Amaranthus tricolor* L. syn. *A. tristis* L.	102-4	I
11	*Aadutheendapalai*	*Aristolochia bracteolata* Lam.	117	I
12	*Citramanakku*	*Ricinus communis* L. *syn. R. inermis* Mill.	124	I
13	*Sevvaamanakku*	*Macaranga tanarius* Müll.Arg. syn. *Ricinus tanarius* L.	124	I
14	*Aamanakku*	*Ricinus communis* L.	127	I
15	*Citramanakku*	BNU	125-33	I
16	*Aalamaram*	*Ficus benghalensis* L.	138	I
17	*Aavaarai*	*Senna auriculata* (L.) Roxb.	142	I
18	*Aalivirai*	*Lepidium sativum* L.	147	I
19	*Attruthumatti*	*Citrullus colocynthis* (L.) Schrad.	154	I
20	*Aanaikunrimani*	*Adenanthera pavonia* L.	157	I
21	*Aanaipuliyamaram*	*Adansonia digitata* L.	159	I
22	*Isapugaal vitai*	*Plantago ovata* Forssk.	163	I
23	*Ilavu (Mul)*	*Bombax ceiba* L. *B. malabaricum* DC.	190	I
24	*Ilavu maram*	*Bombax ceiba* L.	193	I
25	*Iluppai*	*Madhuca longifolia* (L.) J.F.Macbr.	197	I
26	*Sitreechu*	*Phoenix sylvestris* (L.) Roxb.	204	I
27	*Pereechu*	*Phoenix dactylifera* L.	206	I
28	*Ugaa*	*Salvadora persica* L.	214	I
29	*Usilamaram*	*Albizia odoratissima* (L.f.) Benth.	215	I
30	*Uruthirachadai*	*Ocimum basilicum* L.	221	I
31	*Uruthiratcham*	*Elaeocarpus angustifolius* Blume. syn. *E. sphaericus* (Gaertn.) Heer.	223	I
32	*Ulunthu*	*Vigna mungo* (L.) Hepper	225	I
33	*Oomathai*	*Datura metel* L.	231	I
34	*Etti*	*Strychnos nux-vomica* L.	235-42	I
35	*Ellu*	*Sesamum indicum* L.	259	I
36	*Periya elam*	*Elettaria cardamomum* (L.) Maton	262	I

Sl. No.	Siddha Name	Botanical Name	Page/s	Vol
37	*Citrelam*	*Tetrataenium rigens* (Wall. ex DC.) Manden. syn. *Heracleum rigens* Wall.	265	I
38	*Kattu elam*	*Amomum subulatum* Roxb.	267	I
39	*Malai elam (Cardamom Hilly)*	BNU	268	I
40	*Omam*	*Trachyspermum ammi* Sprague	274	I
41	*Kurocani omam*	*Hyoscyamus niger* L.	277	I
42	*Omam (asamadha)*	*Psammogeton involucratum* (Roxb.) Mousavi, Mozaff. and Zarre syn. *Trachyspermum roxburghianum* H.Wolff	279	I
43	*Kakkarikai*	*Cucumis sativus* L.	282	I
44	*Kasakasa*	*Papaver somniferum* L.	284	I
45	*Kadambu*	*Neolamarckia cadamba* (Roxb.) Bosser syn: *Anthocephalus cadamba* (Roxb.) Miq.	294	I
46	*Kadalai*	*Cicer arietinum* L.	297	I
47	*Kadugu*	*Brassica juncea* (L.) Czern.	306	I
48	*Venkadugu*	*Brassica oleracea* L. *syn. B. alba* (L.) Boiss.	306	I
49	*Kadukkai*	*Terminalia chebula* Retz	315	I
50	*Kandangathiri*	*Solanum virginianum* L. syn. *Solanum surratense* Burm.f.	332	I
51	*Kathari*	*Solanum melongena* L.	339-43	I
52	*Kamugu*	*Areca catechu* L.	346	I
53	*Kambu*	*Cenchrus americanus* (L.) Morrone syn. *Pennisetum typhoideum* Rich.	350	I
54	*Kottai karanthai*	*Sphaeranthus indicus* L.	352-3	I
55	*Kalyana poosani*	*Benincasa hispida* Cogn.	379-80	I
56	*Kalyanamurukku*	*Erythrina variegata* L.	384	I
57	*Kazharchi kodi*	*Guilandina bonduc* L. *Caesalpinia bonduc* (L.) Roxb.	390	I
58	*Kakkanam*	*Clitoria ternatea* L.	423	I
59	*Kakkaikolli*	*Anamirta cocculus* (L.) Wight and Arn.	427-8	I
60	*Kattathi*	*Woodfordia fruticosa* (L.) Kurz	434-6	I
61	*Kattamanakku*	*Jatropha curcas* L.	439	I
62	*Kattu iluppai*	*Madhuca longifolia* var. latifolia (Roxb.) A.Chev. syn. *Madhuca indica* J.F.Gmel.	440-1	I
63	*Kattu ulunthu*	*Teramnus labialis* (L.f.) Spreng	442	I
64	*Kattu elumichai*	*Atalantia monophylla* L. DC. *syn. A. malabarica* (Raf.).Tanaka	444	I
65	*Kattu ellu*	*Sesamum prostatum* Retz.	446	I
66	*Kattu kadugu*	*Cleome viscosa* L.	448	I
67	*Kattukasturi*	*Abelmoschus moschatus* Medik.	452	I
68	*Kattu kollu*	*Chamaecrista absus* (L.) H.S. Irwin and Barneby syn. *Cassia absus* L.	455	I
69	*Kattu sathikkai*	*Myristica malabarica* Lam.	457	I

Sl. No.	Siddha Name	Botanical Name	Page/s	Vol
70	*Kattu peipudal*	*Trichosanthes cucumerina* L. syn. *T. lobata* Roxb.	461	I
71	*Kattu vagai*	*Albizia lebbeck* (L.) Benth.	465	I
72	*Kaapi kottai*	*Coffea arabica* L.	468	I
73	*Kayappangottai*	*Strychnos ignatii* P.J. Bergius syn. *S. ignatia* Lindl.	469	I
74	*Karamani*	*Vigna unguiculata* (L.) Walp.	472	I
75	*Karbogarisi*	*Cullen corylifolium* (L.) Medik. syn. *Psolarea corylifolia* L.	474	I
76	*Kiranthi thagaram*	*Tabernaemontana divaricata* (L.) R.Br.ex Roem. and Schult.	490	I
77	*Pasarai*	*Portulaca quadrifida* L.	501	I
78	*Pannai keerai*	*Celosia argentea* L.	506	I
79	*Paruppu keerai*	*Portulaca oleracea* L.	508	I
80	*Pulichiru keerai*	*Hibiscus cannabinus* L.	514	I
81	*Kudasapalai*	*Holarrhena pubescens* Wall. ex G.Don	536	I
82	*Kudiyotipoondu*	*Argemone mexicana* L.	540	I
83	*Kunri*	*Abrus precatorius* L.	565	I
84	*Koondarpanai*	*Caryota urens* L.	569	I
85	*Kezhvaragu*	*Eleusine coracana* (L.) Gaertn.	573	I
86	*Kodikaakattan*	BNU	577	I
87	*Kottumalli*	*Coriandrum sativum* L.	591	I
88	*Kollu*	*Macrotyloma uniflorum* (Lam.) Verdc.	595	I
89	*Kollukaivelai*	*Tephrosia purpurea* (L.) Pers.	598	I
90	*Sarakonrai*	*Cassia fistula* L.	606	I
91	*Gothumai*	*Triticum aestivum* L.	615	I
92	*Sanappu*	*Crotalaria juncea* L.	631	I
93	*Shenbagam*	*Magnolia champaca* (L.) Baill. ex Pierre syn. *Michelia champaca* L.	631-4	I
94	*Sathakuppai*	*Anethum graveolens* L.	637	I
95	*Saamai*	*Panicum sumatrense* Roth	652	I
96	*Saaraparuppu (Kernel)*	*Buchanania cochinchinensis* (Lour.) M.R. Almeida	659	I
97	*Sirunagappo*	*Mesua ferrea* L. syn. *M. nagassarium* (Burm. f.) Kosterm.	668	I
98	*Sirupeyathi*	*Ficus hispida* L.f.	669	I
99	*Seetha*	*Annona squamosa* L.	679-80	I
100	*Karuncirakam*	*Nigella sativa* L.	695-7	I
101	*Kattucirakam*	*Baccharoides anthelmintica* (L.) Moench syn. *Vernonia anthelmintica* (L.) Willd.	697-8	I
102	*Kekku vithai*	*Carum carvi* L.	699	I
103	*Pilappu cirakam*	*Bunium bulbocastanum* L. syn. *Carum bulbocastanum* W.D.J. Koch	700	I
104	*Peruncirakam*	*Pimpinella anisum* L.	701-2	I
105	*Surai*	*Lagenaria siceraria* (Molina) Standl.	34-7	II

Sl. No.	Siddha Name	Botanical Name	Page/s	Vol
106	*Suriyakanthi*	*Helianthus annus* L.	39	II
107	*Sembai*	*Sesbania sesban* (L.) Merr	47	II
108	*Serankottai*	*Semecarpus anacardium* L.f.	53-6	II
109	*Cholam*	*Sorghum bicolor* (L.) Moench	59	II
110	*Oosithagarai*	*Senna tora* (L.) Roxb. syn. *Cassia tora* L.	61	II
111	*Peyavarai*	*Senna occidentalis* (L.) Link syn. *Cassia occidentalis* L.	62-3	II
112	*Thamarai*	*Nelumbo nucifera* Gaertn.	78-81	II
113	*Thandri*	*Terminalia bellirica* (Gaertn.) Roxb.	88	II
114	*Thillai*	*Excoecaria agallocha* L.	102	II
115	*Thinai*	*Setaria italica* (L.) P.Beauv.	102-4	II
116	*Thuthi*	*Abutilon indicum* (L.) Sweet	106-7	II
117	*Thumbilikai*	*Diospyros malabarica* (Desr.) Kostel syn. *Diospyros peregrina* (Gaertn.) Gürke	108-9	II
118	*Thuvarai*	*Cajanus cajan* (L.) Millsp.	114	II
119	*Thulasi*	*Ocimum tenuiflorum* L. syn. *O. sanctum* L.	116	II
120	*Thenkai* (Kernel)	*Cocos nucifera* L.	125-34	II
121	*Thekku*	*Tectona grandis* L.f.	135	II
122	*Thetraan*	*Strychnos potatorum* L.f.	141-45	II
123	*Nathaichoori*	*Spermacoce hispida* L.	151	II
124	*Naruvili*	*Cordia dichotoma* G. Forst.	160	II
125	*Nayuruvi*	Achyranthes aspera L.	174	1I
126	*Naval*	*Syzygium cumini* (L.) Skeels	175-9	II
127	*Neeradimuthu*	*Hydnocarpus pentandrus* (Buch.-Ham.) Oken syn. *H. wightianus* Blume	192-4	II
128	*Neeralari*	*Persicaria barbata* (L.) Hara syn. *Polygonum barbatum* L.	194-5	II
129	*Neermulli*	*Hygrophila auriculata* (Schumach.) *Heine*	198-200	II
130	*Neichitti*	*Cyanthillium cinereum* (L.) H.Rob. syn. *Vernonia cinerea* (L.) Less.	207-8	II
131	*Neidharkizhangu*	*Nymphaea pubescens* Willd.	209-10	II
132	*Nerunjil*	*Tribulus terrestris* L.	210-212	II
133	*Siru nerunjil*	BNU	213-15	II
134	*Nel*	*Oryza sativa* L.	215-46	II
135	*Nelli*	*Phyllanthus emblica* L. Syn. *Emblica officinalis* Gaertn.	247	II
136	*Nervalam*	*Croton tiglium* L.	253-7	II
137	*Pannimonthaan kizhangu*	*Trapa natans* L.	263	II
138	*Pappali*	Carica papaya L.	264	II
139	*Payaru*	*Vigna mungo* (L.) Hepper	266	II
140	*Pachai payaru*	*Vigna radiata* (L.) R. Wilczek	267-8	II

Sl. No.	Siddha Name	Botanical Name	Page/s	Vol
141	*Naripayaru*	*Vigna trilobata* (L.) Verdc. *syn. Phaseolus trilobatus* (L.) Schreb	269	II
142	*Thattai payaru*	Vigna unguiculata (L.) Walp.	270	II
143	*Mochai*	*Lablab purpureus* (L.) Sweet	270-1	II
144	*Paruthi*	*Gossypium herbaceum* L.	273	II
145	*Semparuthi*	*Gossypium arboreum* L.	276-9	II
146	*Pala*	*Artocarpus heterophyllus* Lam.	279-82	II
147	*Palasu*	*Butea monosperma* (Lam.) Kuntze	283-6	II
148	*Pavala malli*	*Nyctanthes arbor-tristis* L.	288-90	1I
149	*Paarangikkai*	*Cucurbita maxima* Duchesne	292-3	II
150	*Pagal*	*Momordica charantia* L.	309	II
151	*Barley*	*Hordeum vulgare* L.	316	II
152	*Vetpalai*	*Wrightia tinctoria* R.Br.	321	II
153	*Peenaari maram*	*Sterculia foetida* L.	341	II
154	*Peerku*	*Luffa acutangula* Roxb.	343-44	II
155	*Pungu*	*Pongamia pinnata* (L.) Pierre	352-54	II
156	*Puthiraseevi vithai*	*Putranjiva roxburghii* Wall. *syn. Drypetes roxburghii* (Wall.) Hurus	358	II
157	*Puli*	*Tamarindus indica* L.	359-66	II
158	*Punnai*	*Calophyllum inophyllum* L.	369-70	II
159	*Poovarasu*	*Thespesia populnea* Sol. ex Corrêa	372	II
160	*Poonaikali*	*Mucuna pruriens* (L.) DC.	374-77	II
161	*Magizh*	*Mimusops elengi* L.	390-92	II
162	*Manipungu*	*Sapindus laurifolius* Vahl.	400-2	II
163	*Madhanakama poo*	*Cycas circinalis* L.	403	II
164	*Maruthu*	*Terminalia arjuna* (Roxb. ex DC.) Wight and Arn.	414	II
165	*Maa*	*Mangifera indica* L.	422-32	II
166	*Mathulai*	*Punica granatum* L.	437-43	II
167	*Milagu*	*Piper nigrum* L.	453-6	II
168	*Vellai milagu*	BNU	457	II
169	*Munthiri*	*Anacardium occidentale* L.	465-8	II
170	*Murungai*	*Moringa oleifera* Lam.	468-75	II
171	*Mulam*	*Citrullus lanatus* (Thunb.) Matsum. and Nakai syn. *Citrullus vulgaris* Schrad.	476-7	II
172	*Mullangi*	Raphanus sativus L.	478-9	II
173	*Moongilarisi* (Seed)	*Bambusa bambos* (L.) Voss syn. *Bambusa arundinacea* (Retz.) Willd.	486-9	II
174	*Varagu*	*Paspalum scrobiculatum* L.	497	II
175	*Vaagai*	*Albizia lebbeck* (L.) Benth.	511	II
176	*Vathumai*	Prunus amygdalus Batsch syn. *Prunus dulcis* (Miller) D.A. Webb.	516-8	II
177	*Vaivilangam*	*Embelia ribes* Burm.f.	520	II
178	*Valuluvai*	*Celastrus paniculatus* Willd.	522	II

Sl. No.	Siddha Name	Botanical Name	Page/s	Vol
179	*Vizhal arisi*	*Phragmites australis* (Cav.) Trin. ex Steud.	545	II
180	*Venkayam*	*Allium cepa* L.	558-61	II
181	*Vendaikkai*	*Abelmoschus esculentus* Moench	567	II
182	*Venthayam*	*Trigonella foenum-graecum* L.	568-72	II
183	*Vellarikai*	*Cucumis sativus* L.	572-3	II
184	*Vembu*	*Azadirachta indica* A. Juss.	588-601	II
185	*Verkadalai*	*Arachis hypogaea* L.	604	II
186	*Vel*	*Vachellia nilotica* (L.) P.J.H. Hurter and Mabb. syn. *Acacia nilotica* (L.) Willd. ex Delile	606	II
187	*Vel vel*	*Vachellia leucophloea* (Roxb.) Maslin, *Seigler* and *Ebinger* syn. *Acacia leucophloea* (Roxb.) Willd.	610	II
188	*Velai*	*Cleome viscosa* L.	613-5	II

BNU - Botanical name unavailable; syn.- Synonym; U - Unplaced name.

Table 4: Monographs in Siddha Pharmacopoeia of India (SPI) as Part 1, Volume 1 and 2.

Sl. No.	Botanical name	Name of the monograph in SPI	Botanical part	SPI Volume	Page
1.	*Citrullus colocynthis* (L.) Schrad.	Arruttumatti	Unripe fruit	I	4
2.	*Cassia fistula* L.	Carakkonraip puli	Fruit pulp	I	26
3.	*Myristica fragrans* Houtt.	Catikkai	Kernel	I	32
4.	*Cuminum cyminum* L.	Cirakam	Fruit	I	38
5.	*Foeniculum vulgare* Mill.	Compu	Fruit	I	45
5.	*Syzygium aromaticum* (L.) Merr. and L.M.Perry	Ilavankam	Flower bud	I	49
6.	*Papaver somniferum* L.	Kacakaca	Seed	I	59
7.	*Cullen corylifolium* (L.) Medik. syn. *Psolarea corylifolia* L.	Karpokarici	Fruit	I	69
8.	*Nigella sativa* L.	Karuncirakam	Seed	I	74
9.	*Baccharoides anthelmintica* (L.) Moench syn. *Vernonia anthelmintica* (L.) Willd.	Kattuc cirakam	Fruit	I	79
10.	*Terminalia chebula* Retz.	Katukkai	Fruit	I	81
11.	*Vigna unguiculata* (L.) Walp.	Kollu	Seed	I	86
12.	*Coriandrum sativum* L.	Kottumalli vitai	Fruit	I	90
13.	*Abrus precatorius* L.	Kunrimani	Seed	I	93
14.	*Hyoscyamus niger* L.	Kurocani omam	Seed	I	95
15.	Piper nigrum L.	Milaku	Fruit	I	108
16.	*Phyllanthus emblica* L.	Nellikkai Nellivarral	Fresh Fruit Dried Fruit	I I	120 120
17.	*Tribulus terrestris* L.	Nerunci mul	Fruit	I	124
18.	*Croton tiglium* L.	Nervalam	Seed	I	128
19.	*Pongamia pinnata* (L.) Pierre	Punkam vittu	Seed	I	150
20.	Nelumbo nucifera Gaertn.	Tamarai malar	Flower	I	154
21.	*Terminalia bellirica* (Gaertn.) Roxb.	Tanrikkai	Fruit	I	158
22.	*Piper longum* L.	Tippili	Fruit	I	160

Sl. No.	Botanical name	Name of the monograph in SPI	Botanical part	SPI Volume	Page
23.	Embelia ribes Burm.f.	Vaivitankam	Fruit	I	163
24.	*Piper cubeba* L.f.	Valmilaku	Fruit	I	166
25.	*Celastrus paniculatus* Willd.	Valuluvai	Seed	I	168
26.	*Trigonella foenum-graecum* L.	Ventayam	Seed	I	170
27.	*Azadirachta indica* A.Juss.	Veppam palam	Fruit	I	172
28.	*Azadirachta indica* A.Juss.	Veppam pu	Flower	I	176
29.	*Magnolia champaca* (L.) Baill. ex Pierre	Canpakap pu	Flower	II	10
31.	*Semecarpus anacardium* L.f.	Cerankottai	Fruit	II	22
32.	*Elettaria cardamomum* (L.) Maton	Elam	Fruit	II	34
33.	*Sesamum indicum* L.	Ellu	Seed	II	37
34.	*Strychnos nux-vomica* L.	Etti vitai	Seed	II	39
35.	*Crocus sativus* L.	Kunkumap pu	Style and Stigma	II	61
36.	*Punica granatum* L.	Matulam palam	Fresh Fruit	II	70
36.	*Punica granatum* L.	Matulam palat tol	Fruit rind	II	71
37.	*Butea monosperma* (Lam.) Kuntze	Murukkan pu	Flower	II	73
38.	*Butea monosperma* (Lam.) Kuntze	Murukkan vitai	Seed	II	76
39.	*Hydnocarpus pentandrus* (Buch.-Ham.) Oken	Niradi muttu	Seed	II	92
40.	*Trachyspermum ammi* Sprague	Omam	Fruit	II	97
41.	*Phoenix dactylifera* L.	Periccu	Fresh and Dried fruit	II	104,106
42.	Benincasa hispida Cogn.	Pucanik kay	Fruit	II	114
43.	*Tamarindus indica* L.	Puliyam palam	Fruit pulp	II	116
44.	*Mucuna pruriens* (L.) DC.	Punaikkali vitai	Seed	II	121
45.	*Illicium verum* Hook.f.	Takkolam	Fruit	II	123
46.	*Strychnos potatorum* L.f.	Terran kottai	Seed	II	132
47.	*Vitis vinifera* L.	Tiratcai	Dried fruit	II	136
48.	*Elaeocarpus angustifolius* Blume Syn. *Elaeocarpus sphaericus* (Gaertn.) Heer	Uttiratcam	Seed	II	141
49.	*Cucumis sativus* L.	Vellari vitai	Seed	II	151

Strategy (2014-23) to promote the approved traditional systems of medicine (World Health Organization, 2013). Adopting the WHO guidelines, Government of India has implemented the pharmacovigilance system for Ayurveda, Siddha and Unani Drugs (ASU) (Baghel, 2010). Siddha formulations such as Adathodai manapagu (Singh *et al.*, 2017), Kabasura kudineer (Thillaivanan *et al.*, 2015), Nilavembu kudineer (Mattummal *et al.*, 2018), Thontha sura kudineer (Grzanna *et al.*, 2005; Dhuley, 1999; Castillo *et al.*, 2014; Mathew and Kuttan, 1997; Chen *et al.*, 2009), Vajra kandi chenduram (Saravana *et al.*, 2020) and Visha sura kudineer (Shailaja *et al.*, 2017) documented promising effects during the outbreak of COVID-19. With this growing popularity it becomes essential to make people aware of the treasures and concepts which were preserved through ages and remained unidentified.

A total of 96 flowers, 126 fruits and 188 seed drugs are listed in *Gunapdam* while there are a total of 49 flower, fruit and seed drugs monographs in Siddha Pharmacopoeia of India Vol.1 (Ministry of Health and Family, 2011 Vol 1; Ministry of Health and Family, 2011 Vol 2) and Vol. 2.

CONCLUSION

List of the botanicals used in a traditional medical system will be directly indicative of natural resource the system uses for the benefit of human and livestock. The index prepared in this

research provides information on the botanical names for people who are not familiar with the *Siddha* names. This work was mainly done to ease the process of data retrieval wherein the herbal drugs (mentioned in *Mooligai vaguppu*) have been classified under different botanical parts and enlisted with their *Siddha* names and botanical names as mentioned in the book. The work would be supportive for the drug discovery and imminent researches conducted in the Novel herbal drug delivery systems.

CONFLICT OF INTEREST

The authors declare that there is no conflict of interest.

AUTHOR CONTRIBUTION

Research, Translation and Data acquisition - Brindha S, Compilation - Erni B, Technical Support - Dr. Divya KG, Revision of the manuscript to publishable format -Dr. K N Sunil Kumar, Verification of the botanical sources with siddha drugs - Dr Aravind D, Support and Guidance - Dr NJ Muthu Kumar and Dr. Kanagarajan.

REFERENCES

Astin, J. A., Reilly, C., Perkins, C., Child, W. L., & Susan G. Komen Breast Cancer Foundation. (2006). Breast cancer patients' perspectives on and use of complementary and alternative medicine: A study by the Susan G. Komen Breast Cancer Foundation. Journal of the Society for Integrative Oncology, 4(4), 157–169. https://doi.org/10.2310/7200.2006.019, https://pubmed.ncbi.nlm.nih.gov/17022924/

Baghel, M. S. (2010). The national pharmacovigilance program for Ayurveda, Siddha and Unani drugs: Current status. International Journal of Ayurveda Research, 1(4), 197–198. https://doi.org/10.4103/0974-7788.76779, https://pubmed.ncbi.nlm.nih.gov/21455443/

Callahan, L. F., Wiley-Exley, E. K., Mielenz, T. J., Brady, T. J., Xiao, C., Currey, S. S., Sleath, B. L., Sloane, P. D., DeVellis, R. F., & Sniezek, J. (2009). Use of complementary and alternative medicine among patients with arthritis. Preventing Chronic Disease, 6(2), Article A44. https://pubmed.ncbi.nlm.nih.gov/19288987/

Castillo, A. L., Ramos, J. D., Francia, J. D., Quilala, P. F., & Dujunco, M. U. (2014). Immunomodulatory effects of *Tinospora cordifolia* lotion on interleukin-1, interleukin-6 and interleukin-8 levels in scabies-infected pediatric patients: A single blind, randomized trial. International Journal of Pharmaceutical Sciences and Drug Research, 6(3), 204–210. https://doi.org/10.25004/IJPSDR.2014.060307

Chen, J.-X., Xue, H.-J., Ye, W.-C., Fang, B.-H., Liu, Y.-H., Yuan, S.-H., Yu, P., & Wang, Y.-Q. (2009). Activity of andrographolide and its derivatives against influenza virus *in vivo* and *in vitro*. Biological and Pharmaceutical Bulletin, 32(8), 1385–1391. https://doi.org/10.1248/bpb.32.1385, https://pubmed.ncbi.nlm.nih.gov/19652378/

Dhuley, J. N. (1999). Antitussive effect of *Adhatoda vasica* extract on mechanical or chemical stimulation-induced coughing in animals. Journal of Ethnopharmacology, 67(3), 361–365. https://doi.org/10.1016/s0378-8741(99)00074-4, https://pubmed.ncbi.nlm.nih.gov/10617073/

Grzanna, R., Lindmark, L., & Frondoza, C. G. (2005). Ginger-an herbal medicinal product with broad anti-inflammatory actions. Journal of Medicinal Food, 8(2), 125–132. https://doi.org/10.1089/jmf.2005.8.125, https://pubmed.ncbi.nlm.nih.gov/16117603/

Mathew, S., & Kuttan, G. (1997). Antioxidant activity of *Tinospora cordifolia* and its usefulness in the amelioration of cyclophosphamide induced toxicity. Journal of Experimental and Clinical Cancer Research, 16(4), 407–411. https://pubmed.ncbi.nlm.nih.gov/9505214/

Mattummal, R., Kallingilkalathil, D., Rajeshwaran, S., & Kumar, S. (2018). Bioactive molecules in Siddha polyherbal Nilavembu kudineer alleviating symptoms of Dengue/chikungunya. Traditional Medicine Research, 3(5), Article 215–229. https://doi.org/10.53388/TMR201813080

Metcalfe, A., Williams, J., McChesney, J., Patten, S. B., & Jetté, N. (2010). Use of complementary and alternative medicine by those with a chronic disease and the general population-results of a national population based survey. BMC Complementary and Alternative Medicine, 10, 58. https://doi.org/10.1186/1472-6882-10-58, https://pubmed.ncbi.nlm.nih.gov/20955609/

Ministry of Health and Family Welfare, Department of Ayush, & Government of India. (2008). The Siddha pharmacopoeia of India. Part I, I. New Delhi.

Ministry of Health and Family Welfare, Department of Ayush, & Government of India. (2011). The Siddha pharmacopoeia of India. Part I, II. New Delhi.

Murugesa, V. R. (2018a). Siddha materia medica (medicinal plants division Vol 1). Department of Indian Medicine and Homeopathy.

Murugesa, V. R. (2018b). Siddha materia medica (Medicinal Plants Division volume 2). Department of Indian Medicine and Homeopathy.

Pal, S. K. (2002). Complementary and alternative medicine: An overview. Current Science, 518–524.

Saravana Siva, P., Sivanantha, A., Sasivel, S., Siva Kumar, G., & Shanmugam, M. (2020). Scientific anlysis of vajra kandichenduram. M. Siddha formulation towards its safety, pharmacological action and proposed benefits in the management of COVID-19. World Journal of Pharmaceutical Research, 9(5), 2212–2226.

Shailaja, R., Sugunthan, S., & Pitchiah Kumar, M. (2017). A review on polyherbal formulation-Vishasura Kudineer chooranam-A classical anti-viral drug used in Siddha system of medicine. Eur. J. Pharm. Med Res, 4(9), 184–192.

Singh, S. K., Patel, J. R., Dangi, A., Bachle, D., & Kataria, R. K. (2017). A complete over review on Adhatoda vasica a traditional medicinal plants. Journal of Medicinal Plants Studies, 5(1), 175–180.

Thillaivanan, S., Parthiban, P., Kanakavalli, K., & Sathiyarajeshwaran, P. (2015). A review on. Kapa sura Kudineer"-a Siddha formulary prediction for swine flu (pp. 376–383).

wfoplantlist.org. [Home page on the Internet]. https://wfoplantlist.org/ (Last access date. 21/03/2025).

(2013 [Updated May 15, 2023]). [Home page on the Internet]. In World Health Organization (Ed.). who.int, WHO traditional medicine strategy: 2014-2023. World Health Organization. https://www.who.int/publications/i/item/9789241506096

Cite this article: Sundaramoorthy B, Bobbili E, Gopi DK, Kumar KNS, Dhanush A, Arumugam K, *et al*. Enumeration of Botanicals of Flower, Fruit and Seed Origin Occurring in the Siddha Book *Gunapadam* by Murugesa Mudaliar. Pharmacog Res. 2026;18(2):308-23.