

### INTRA MURAL RESEARCH PROJECTS

S.No	Title of the Project	Name of the PI	Outcome	Published Research Papers
1.	Multi centric single arm prospective open trial to check the safety and efficacy of a classical siddha formulation Rasagandhi Mezhugu in Karuppai Narthasai Kattigal (Fibroid Uterus) among women (25-45 years) attending CCRS-research institutes/unit (MERRYFUL)	Dr. Shyamala Rajkumar	Determination of safety and efficacy of RGM in Karuppai Narthasai Kattigal (Fibroid Uterus)	1
2.	Randomized Controlled Trial of two Siddha drugs in the management of Urolithiasis (Kalladaippu)- Phase II	Dr. A. Rajendra Kumar	Expulsion or reduction in the numbers of and / or size of renal stones in human participants	---
3.	Validation of Siddha Udal Iyal inventory – YI for assessment of Body constitution: a descriptive, cross-sectional study	Dr. M. Kannan	To study the relationship between the patient's demography characteristics and their body constitution.	---
4.	Evaluation of safety and efficacy of Sivappu kukkil thylam or Kunthirikka thylam and Varmam therapy among subjects with Osteo Arthritis of knee joints	Dr. S. Saravanan	Primary: <ul style="list-style-type: none"> <li>• WOMAC pain and functional scores –on day 0, day 14 and during each follow up visit</li> <li>• VAS for pain assessment –daily done before and after therapy and during each follow up visit</li> </ul> Secondary: Range of Motion (ROM) – Daily done before and after therapy and during each follow up visit Time to walk 50 feet – On day 0, Day 7, Day 14 and during each follow up visit.	---
5.	A randomized three arm clinical trial on the effectiveness of Mudakku Vatha Ilagam (MVI) <sup>[1]</sup> and Varmam Therapy in midlife population afflicted by Azhal Keel Vayu (AKV) (Knee-Osteoarthritis)	Dr. S. Shunmuga Ram	Primary : Assessment of hematological, biochemical parameters (CBC, HB, PCV, LFT, RFT, Diabetic profile, Lipid profile and Urine routine) 0th day and 31st day. Secondary : WOMAC 3.1 INDEX: Change in baseline of WOMAC 3.1 INDEX will be statistically analyzed between the trial groups on 0th day, 31st day and 90th day. OAKHQOL index: Change in baseline of OAKHQOL will be statistically analyzed between the trial groups on 0th day, 31st day	---

			and 90th day.[4]	
6.	Pre-clinical (Chronic Toxicity) Evaluation of Gowri-chinthamani chenduram - A Siddha drug	Dr. P. Elankani	The project is expected to scientifically validate the classical Siddha medicine of Gowri chinthamani chenduram – A Siddha drug	---
7.	Toxicological studies of Ayapoonaga chenduram – A Siddha polyherbal formulation	Dr. G. Dayanand Reddy	To assess the drug safety of APNC in peenisam	---
8.	Qualitative and Quantitative Analysis of Chembu (copper) in ‘Chembu containing Plants’ – A Scientific validation of Siddha claim.	Dr. K. Parthasarathy	<ul style="list-style-type: none"> <li>• The content of Chembu (Cu) present in the selected drugs would be quantified.</li> <li>• The analytical technique would be extended to heavy metals and other inorganic elements.</li> </ul>	---
9.	A Siddha polyherbal formulation (Nilappanai Chooranam) in the management of Oligospermia (Vindhanu kuraipadu)	Dr. S. Selvarajan	Standardisation of the polyherbal formulation, preclinical evaluation followed by validation in a clinical trial	---
10.	Vernacular Name Encyclopaedia of Siddha Drugs mentioned in Siddha Materia Medica (Gunapadam) (VERNAES)	Dr. P. Sathiyarajeswaran	Publication of Vernacular Name Encyclopaedia	---
11.	Digitization and Compilation of Herbarium and Folklore Claims at Survey of Medicinal Plants Unit-Siddha, Palayamkottai.	Dr. M. Padma Sorna Subramanian	<ul style="list-style-type: none"> <li>• Digitalization of the Herbarium for the development of Centralized Repository of Digital Medicinal Plants Herbarium for effective preservation, by using versatile techniques and thus provides easy accessibility for the student community and the public.</li> <li>• Publication of descriptive catalogue of original and digital herbarium sheets in print form will be available to public/ researchers.</li> </ul>	---
12.	Medico Ethno Botanical Study of Palamalai- Salem Distrit.	Dr. M. Padma Sorna Subramanian	<ul style="list-style-type: none"> <li>• Documentation of floral diversity and its ethno practices of the forest tribes.</li> <li>• Enlightens with the added area of hitherto unexplored/non documented floral wealth of Palamalai and the folk claims of the forest dwellers.</li> </ul>	2
13.	Anti-hyperlipidemic activity of D5 choornam.	Dr. G. Aadinaath Reddy	To ensure the Anti-hyperlipidemic activity of D5 Chooranam	---
14.	Nephroprotective Effect of <i>Sphaeranthus amarathoides</i> Burm. f. (Sivakaranthai) against Gentamycin induced nephrotoxicity in Rats.	Sh. R. Ganesan	To evaluate the Nephroprotective effect of <i>Sphreanthus amarathoides</i> Burm.f. against Gentamycin induced nephrotoxicity in Rats.	---

15.	Isolation of chemical marker from selected plants used in Reproductive and Child Health.	Smt. R. Shakila	To isolate chemical markers from eighteen plants used in RCH. These markers will be quantified in Siddha formulations used in RCH treatment.	---
16.	Analysis of inorganic composition of selected plants used in Siddha system.	Dr. R. Shakila	<ul style="list-style-type: none"> <li>To study the composition of inorganic content of these plants.</li> <li>To propose a definite composition of a inorganic mixture to use in the siddha formulations which are available in the pharm industry like other metals/minerals.</li> </ul>	---
17.	Siddha Encyclopedia & Android Application for Research Community and Health care institutions (T.V. Sambasivam Pillai Medical Dictionary)	Dr. M. Kannan	<ul style="list-style-type: none"> <li>Primary outcome: Creation and installable web app iOS app and thereby converting TV Sambasivampillai dictionary.</li> <li>Secondary outcome: Developing a copy righted Android Mobile application of “Siddha Encyclopaedia (TVS medical Dictionary)”</li> </ul>	---
18.	Qualitative and Quantitative Analysis of Lead in ‘Lead containing Plants’ – A Scientific validation of Siddha claim.	Smt. Anitha John	This project is expected to scientifically prove the Siddha claim for the presence of Lead in ‘Lead containing plants’ in the Classical Texts and to develop pharmacopoeial standards of these medicinal plants on scientific lines.	2
19.	Untargetted approach to the geochemical characterization of Hypothecated Muppu (Marine sediments collected from Bay of Bengal at Rameswaram and white powdery salts collected from Kovanur and Sidha malli)	Dr. K. Parthasarathy	<ul style="list-style-type: none"> <li>An integrative workflow to establish chemical composition of the marine sediments and white powdery salt.</li> <li>Qualitative methodologies would be available to detect the trace elements present in the inorganic sediments and salts.</li> </ul>	---
20.	Metabolomic profiling and Identification of Principle Components from herbals used in Siddha System for Cognitive disorders using multivariate statistical analysis	Dr. K. Parthasarathy	<ul style="list-style-type: none"> <li>An integrative workflow to establish molecular fingerprinting, quantitative analysis and principle component identification of natural products through statistical analysis.</li> <li>“Comprehensive Mass Spectral Atlas of secondary metabolites.”</li> </ul>	---
21.	Scientific validation of <i>Serankottai</i> ( <i>Semecarpus anacardium</i> ) before and after purification in Siddha system of medicine	Dr. L. Juliet	<ul style="list-style-type: none"> <li>The result of this study may be used as standard for further studies / medicine preparations.</li> <li>This study may help to understand the chemical changes during the</li> </ul>	---

			<p>purifications process.</p> <ul style="list-style-type: none"> <li>• This study may ensure that SA is a safe drug to prepare various internal medicines after purification in Siddha system of medicine.</li> <li>• This study may help ourselves to select the <i>Serankottai</i> based Siddha formulations for further clinical trial</li> </ul>	
22.	A Comparative Study on Quality Control parameters of Mathirai / Tablet formulations used in Siddha System of Medicine.	Dr. M.S. Shree Devi	This project is expected to draft the new Siddha guidelines for mathirai / tablet according to the comparative studies	---
23.	Annotation and Translation of the Siddha Classical Book “Agathiyar Aruliya Pin Enbathu	Dr. P. Thenmozhi	Annotation of the Siddha classical book “Agathiyar Aruliya Pin 80” and translating it into English and Hindi.	---
24.	Sarakku vaippu of a poly herbal formulation with Abini-like properties by Siddha methodology of Konganarar	Dr. V. Aarthi	To prepare <i>Vaippu Abini</i> with standard quality and add evidence based traditional knowledge of Siddha system for the claim of substitution of Vaippu (alternate preparation) of Abini	---
25.	A survey on the Ethno-medicinally important plants for common ailments in Tiruppur district, Tamil Nadu	Dr. P. Radha	The expected outcome of the project is: Herbarium and raw drugs of medicinal important plants will be added to the Herbaria.	2
26.	Standardization of Sirukan <i>Nagam Suddhi</i> (Purification) and Physio chemical evaluation of <i>Naga parpam</i> , a Siddha drug - In process study.	Dr. M. Harihara Mahadevan	Map of physical and chemical changes undergone by Nagam in process of Suddhi (Purification) and Naga parpam preparation.	---
27.	Evaluation of Efficacy & Safety of two Siddha formulations for the treatment of functional constipation - a comparative randomized clinical trial	Dr. R. Manickavasagam	The incidence of Constipation has been increasing recently. With a prevalence of > 40% and an expected recurrence rate of nearly 20%, Functional constipation has a significant effect on the National health care system. The results of this trial will validate the efficacy and safety of selected Siddha formulations used in the management of Functional constipation	---
28.	Evaluation of Anti-cancerous activity of Sengathari Ennai in In-vitro Method.	Dr. Thilagavathi	To substantiate the claim of usefulness of sengathari ennai in cancerous state as mentioned in Athamaratchamirtham. If found useful in in-vitro, the same will be tried in vivo	---

29.	Database of Siddha preparations for certain diseases mentioned in the enlisted literatures of drugs and cosmetics act 1940.	Dr. Shyamala Rajkumar	Project completed and report submitted to Director General, CCRS for PMEC - IMR	---
30.	Assessment of awareness and usage of Siddha medicine among the patients reporting to selected Siddha OPDs in Puducherry & Karaikkal regions.	Dr. A. Rajendra Kumar	Project completed and report submitted to Director General, CCRS for PMEC - IMR	---
31.	Development of Siddha Treatment Guidelines for Selected Non - Communicable Diseases.	Dr. P. Sathiyarajeswaran	Project completed and Zero draft book of "Siddha Treatment Guideline for Selected Non-communicable Diseases" is submitted to Director General, CCRS for PMEC - IMR	2