



# A.S.S. Ayurved Mahavidyalaya

Ganeshwadi, Panchavati, Nashik-422003

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## 4.2.3.2 B – Details of Laboratories

### 1. Rachana Sharir

#### Dissection Hall

Area : - 137 sqm.

**Instruments Equipments :** Dissection Table, Cadaver Preservation Tank, Preservative Chemicals, Dissection Instruments, Mummy Body, X-ray Viewing Box, Histology Slides, Microscope.

### 2. Kriya Sharir

Laboratories Area : - 111.10 sqm.

**Instruments Equipments :** Chemicals, Microscopes, Instruments for Blood & Urine Examination, BP Apparatus, Stethoscope.

### 3. Dravyagun

Laboratories Area : - 132.12 sqm.

**Instruments Equipments :** Microscope, Dry Specimens, Wet Specimens, Charts, Spirit Lamp.

### 4. Ras Shasrt

Laboratories Area : - 118.28 sqm.

**Instruments Equipments :** Burner, Khalvayantra, Moosha, Yantra, Mixer, Refrigerator, Balance, Spirit Lamp, Putas.

### 5. Rog Nidan

Laboratories Area : - 101.40 sqm.

**Instruments Equipments :** Microscopes, Pippette, Test tubes, Dropper, Urinometer, Autoclave, Stethoscope, BP Apparatus, Chemicals.



# A.S.S. Ayurved Mahavidyalaya

Ganeshwadi, Panchavati, Nashik-422003

## Department of Dravyaguna

Dravyagun Department is Provided with well maintained Herbal garden in Sprawling 2.5Acre Land (10117.18sqm). This Garden has Cultivated 277 Species and 1646 Plants. It is used for the Studies of UG,PG and PHD Students. These Herbs are also used in Department of Panchakarma and for Preparation of Medicines also. To Take care of this garden two gardeners are deployed. They Maintain the Garden by irrigating, cleaning and pruning.

### TOTAL NUMBER OF MEDICINAL PLANTS IN HERBAL GARDEN

Sr. No.	Name of the plant	Botanical name	No. of Plants
1	ADRAKA	ZINZIBER OFFICINALIS	7
2	AGASTI	SESBANIA GRANDIFLORA	5
3	AGNIMANTHA BRUHAT	PREMNA MUCRONATA	2
4	AGNIMANTHA LAGHU	CLERODENDRUM PHLOMIDIS	1
5	AJANVRIKSHA	EHRETIA LAEVIS	3
6	AKARKARABH	ANACYCLUS PYRETHRUM	12
7	AMALAKI	EMBLICA OFFICINALIS	5
8	AMLIKA (CHINCHA)	TAMARINDUS INDICA	5
9	AMRA	MANGIFERA INDICA	5
10	ANJAN	HARDWICKIA BINATA	1
11	ANKOL	ALLANGIUM SALVIFOLIUM	1
12	APAMARGA	ACHYRANTHUS ASPERA	15
13	APARAJITA	CLITORIA TERNATEA	5
14	ARGVADHA	CASSIA FISTULA	7
15	ARISHTAK	SAPINDUS TRIFOLIATUS	9
16	ARJUNA	TERMINALIA ARJUNA	4
17	ARKA	CALOTROPIS PROCERA	3
18	ARROWROOT	MARANTA ARUNDINACEA	6
19	ASHMANTAK	BAUHINIA RACEMOSA	4
20	ASHOKA	SARACA INDICA	5
21	ASTHAMAVEL	TILOPHORA ASTHAMATICA	1
22	ASHWAGANDHA	WITHANIA SOMNIFERA	6
23	ASTHISHRUNKHALA	CISSUS QUADRANGULARIS	13
24	ATASI	LINIUM USITASIMUM	15
25	ATIBALA	ABUTILON INDICUM	21
26	BABBULA	ACASIA ARABICA	5
27	BADAR	ZIZIPUS JUJUBA	3
28	BAHUBIJ	PSIDUM GUAJAVA	4
29	BAKUCHI	PSORALIA CORYLIFOLIA	15



# A.S.S. Ayurved Mahavidyalaya

Ganeshwadi, Panchavati, Nashik-422003

30	BAKULA	MIMUSPES ELENGI	1
31	BALA	SIDA CORDIFOLIA	11
32	BALA	SIDA RHOMBIFOLIA	3
33	BALA	SIDA SPECIES	3
34	BALA	SIDA ACUTA	3
35	BALA SHWET	SIDA SPECIES	15
36	BHALLATAK	SEMICARPUS ANACARDIUM	2
37	BHARANGI	CLEREDENDRON SERRATUM	2
38	BHRINGRAJ PEET	WEDELLA CHINENSIS	15
39	BHRUNGRAJ	ECLIPTA ALBA	15
40	BHUMYAMALAKI	PHYLLANTHUS URINARIA	27
41	BIBHITAK	TERMINALIA BELERICA	5
42	BILWA	AEGLE MARMELOS	8
43	BIMBI	COCCINIA INDICA	2
44	BRAMHI	BACOPA MONNIERI	15
45	BRIHATI	SOLAMUM INDICUM	7
46	BRUHATI NEEL	SOLANUM TORVUM	2
47	CHAKRAMARD	CASSIA TORA	20
48	CHAKRAMARD	CASSIA OPPOSITIFOLIA	10
49	CHAMPAK	MICHELIA CHAMPAKA	1
50	CHANDAN SHWET	SANTALUM ALBUM	6
51	CHANGERI	OXALIS CORNICULATA	12
52	CHIRBILWA	HOLOPTELEA INTEGREFOLIA	2
53	CHITRAK	PLUMBAGO ZEYLANICA	11
54	CITRONELLA	CYMBOPOGON NARDUS	1
55	DADIMA	PUNICA GRNATUM	5
56	DAGADIPALA	TIRDAX PROCUMBENS	7
57	DANTI	BALIOSPERMUM MONTAMUM	7
58	DHANYAK	CORIANDRUM SATIVUM	5
59	DHAVA	ANOCEISUS LATIFOLIA	2
60	DHAYATI	WOODFORDIA FRUTICOSA	5
61	DUGHDHIKA (BRIHAT)	EUPHORBIA HIRTA	10
62	DUGHDHIKA (LAGHU)	EUPHORBIA THYMIFOLIA	10
63	DUKKARKAND	DISCORIA ALATA	7
64	DURVA	CYNODON DACTYLON	20
65	ELA	ELETARIA CARDAMOMUM	3
66	PIPPALI	PIPER LONGUM	3
67	PIPPALI (GAJPIPPALI)	PIPRER CHABA	5
68	GAMBHARI	GMELINA ARBOREA	4



# A.S.S. Ayurved Mahavidyalaya

Ganeshwadi, Panchavati, Nashik-422003

69	GODHUM	TRITICUM AESTIVUM	6
70	GOKSHUR	TRIBULUS TERRESTRIS	13
71	GORAKSHA CHINCH	ADANSONIA DIGITATA	6
72	GUDUCHI	TINOSPORA CORDIFOLIA	4
73	GUGGUL	COMMIPHORA MUKUL	1
74	GUNJA (RAKTA)	ABRUS PREATORIUS	5
75	GUNJA (SHWETA)	ABRUS PREATORIUS	3
76	HARIDRA	CURCUMA LONGA	7
77	HARIDRA - NEEL	CURCUMA CAESIA	7
78	HARIDRA AMRAGANDHI	CURCUMA AMADA	2
79	HARIT MANJIRI	ACALYPHA LANCEOLATA	3
80	HARITAKI	TERMINALIA CHEBULA	3
81	HINSRA	CAPARIS SEPIARIA	2
82	JALAKUMBHI	PISTIA STRATIOTES	11
83	JAMBU	EUGENIA JAMBOLANA	4
84	BADAM (JANGALI )	TERMINALIA CATAPPA	1
85	JAPA (RAKTA)	HIBISCUS ROSA SINENSIS	7
86	JAPA (KATRI)	HIBISCUS SCHIZOPETALUS	2
87	JAPA (RAKTABH)	HIBISCUS ROSA SINENSIS	2
88	JAPA (SHWET)	HIBISCUS ROSA SINENSIS	1
89	JAPA (PENDULOUS SLEEPING)	MALVAVISCUS PENDULIFLORUS	1
90	JATI	JASMINUM GRANDIFLORUM	1
91	JATROPHA	JATROPHA CURCAS	3
92	JAYANTI ( SHEVRI)	SESBANIA SESBAN	7
93	JUI	JASMINUM AURICULATUM	1
94	JYOTISHMATI	CELESTRUS PANNICULATUS	3
95	KACHORA	CURCUMA ZEDOAREA	3
96	KADALI	MUSA PARADISIACA	10
97	KADAMB	ANTHOCEPHALUS INDICUS	1
98	KADUKANDA	DISCORIA WELLIHI	11
99	KAGDA (KUNDA)	JASMINUM MULTIFLORUM	1
100	KAIDARYA	MURRAYA KOENIGII	1
101	KAKJANGHA	LEEA HIRTA	3
102	KAKMACHI	SOLANUM NIGRUM	3
103	KAKODUMBUR	FIUCS HISPIDA	2
104	KALAMB	MYTRAGYANA PARVIFLORA	1
105	KALMEGHA	ANDROGRAPHIS PANNICULATA	7
106	KAMPILLAKA	MALLOTUS PHILIPINENSIS	1



# A.S.S. Ayurved Mahavidyalaya

Ganeshwadi, Panchavati, Nashik-422003

107	KANCHNAR	BAUHINIA VARIAGATA	15
108	GUDUCHI (PADMAGUDUCHI)	TINOSPORA SINENSIS	3
109	KANTAKARI	SOLANUM XANTHOCARPUM	6
110	KAPIKACHHU	MUCUNA PRURITA	2
111	KAPITTHA	FIRONIA ELEPHANTA	9
112	KARANJA	PONGAMIA PINNATA	6
113	KARPAS	GOSSIPIUM HERBACIUM	5
114	KARPUR	CINNAMOMUM CAMPHORA	1
115	KARPURGANDHI TULSI	OSCIMUM TENUIFLORUM	3
116	KARVIR PEET	THEVETIA NERIFOLIA	1
117	KARVIR RAKTA	NERIUM INDICUM	2
118	KARVIR SHWET	NERIUM OLEANDER	7
119	KARWELLAK	MIMORDIA CHIRANTA	3
120	KASHTHADARU	POLYALTHEA LONGIFOILA	50
121	KASMARD	CASSIA OCCIDENTALIS	10
122	KEBUK	BRASSICA OLERECCA	2
123	KHADIRA	ACASIA CATECHU	2
124	KHARJURA	PHOENIX SYLVESTRIS	3
125	KOKILAKSHA	ASTERACANTHUS LONGIFOLUS	10
126	KOSTHAKOLINJAN	ALPINIA GALANGA	6
127	KRISHNA BEEJ	IPOMEA HEDERACEAE	1
128	DHATURA (KRISHNA)	DHATURA METAL	7
129	DHATURA (SHWET)	DHATURA INOXIA	2
130	SARIVA (KRISHNA )	CRYPTOLEPIC BUCHANANA	2
131	TULSI (KRISHNA )	OCIMUM SANCTUM	7
132	JAMBU (KSHUDRA )	SYZIGIUN CUMMINI	2
133	KUKKUTNAKHI	TECTARIA CICUTARIA	2
134	KULATTHA	DOLLAICHOS BIFLORUS	3
135	KUMARI	ALOE VERA	12
136	KUMUD NEEL	NYMPHAEA DAUBENYANA	5
137	KUMUD RAKTABH	NYMPHAEA SP.	5
138	KUMUD NILABH	NYMPHAEA 'PANAMA PACIFIC'	3
139	KUMUD SHWET	NYMPHAEA PUBESCENS	1
140	KUTA SHALMALI	ARODENDRUM ANFRACTOSUM	13
141	KUTAJ	HOLLERHENA ANTIDYSENTRICA	3



# A.S.S. Ayurved Mahavidyalaya

Ganeshwadi, Panchavati, Nashik-422003

142	LAJJALU	MIMOSA PUDICA	7
143	LANGALI	GLORIOSA SUPERBA	5
144	LANKA	CAPSICUM ANAM	12
145	LATA KARANJA	CAESALPINIA CRISTA	50
146	GANDHATRINA	CYMBOPOGON CITRATUS	5
147	LODHRA	SIMPLOCUS RACEMOSUS	2
148	MADANPHAL	RANDIA SPINOSA	2
149	MADAYANTIKA	LAWSONIA INERMIS	5
150	MADHAVILATA	HIPTAGE BENGHALENSIS	3
151	MADHUKA	BASIA LATIFOLIA	7
152	MADHUMALATI - RANGOON CREEPER	COMBRETUM INDICUM	5
153	MAHANIMBA	MELIA AZADIRACH	8
154	MAINMOOL	COLEUS FORSKOHLII	3
155	MAKUSHTHA	VIGNA ACONITIFOLIA	5
156	MALLIKA	JASMINUM SAMBAC	5
157	MANDUKPARNI	CENTELLA ASIATICA	10
158	MANJISHTHA	RUBIA CORDIFOLIA	1
159	MARICHA	PIPER NIGRAM	1
160	MASHA	PHSEOLUS MUNGO	5
161	MASHPARNI	TERMANUS LABIALUS	5
162	MATULUNGA	CITRUS MEDICA	1
163	METHIKA	TRIGONELLA FOENUM GRAECUM	12
164	MISHREYA	FOENICULUM VULGARE	2
165	MOGLI ERAND	JATROPA SPECIES	5
166	MUCHKUNDA	PTEROCARPUS GLABRESCENCE	2
167	MUDGAPARNI	PHASEOLUS TRILOBUS	11
168	MUSHALI	ASPARAGUS ADSENDENS	7
169	NADI HINGU	GARDINIA GUMMIFERA	1
170	NAGBALA	GREWIA HIRSUTA	10
171	NAGDAMAN	CRINUM ASIATICUM	12
172	NAGKESHAR	MESUA FERREA	1
173	NAGVALLI	PIPER BETEL	13
174	NALA	ARUNDO DONAX	10
175	NILGIRI	EUCALYPTUS GLOBULUS	2
176	NILI	INDIGOFERA TINCTORIA	3
177	NIMBA	AZADIRACHTA INDICA	7
178	NIMBUK	CITRUS ACIDA	1
179	NIRGUDI(KRUSHNA)	JUSTICIA GENDARUSSA	3
180	NIRGUDI(SHWETA)	VITEX NEGUNDO	12
181	PALANDU	ALLIUM SEPA	5



# A.S.S. Ayurved Mahavidyalaya

Ganeshwadi, Panchavati, Nashik-422003

182	PALASH	BUTEA MONOSPERMA	4
183	SNUHI (PANCHDHARI)	EUPHORBIA NERIIFOLIA	3
184	SNUHI (TRIDHARI)	EUPHORBIA ANTIQUORUM L.	2
185	PARIBHADRA	ERYTHRINA INDICA	5
186	PARIJATAK	NYCTANTHES ARBOR- TRISTIS	10
187	PARISH	THESPESIA POPULEANA	3
188	PARNA YAVANI	COLIUS AMBONICUS	17
189	PARNABEEJA	BRYOPHYLLUM PINNATUM	4
190	PATALA	STEREOSPERMUM SUAVEOLENS	4
191	PATALGARUDI	COCCULUS HIRSUTUS	5
192	PATHA	CISSAMPELOS PARIERA	6
193	PHALGU	FICUS CARICA	2
194	PIMPAL	FICUS RELEGIOSA	2
195	PIMPARI	FICUS MOLLIS	2
196	PIPPALI Var - 1	PIPPER LONGAM	30
197	PIPPALI Var - 2	PIPPER LONGAM	5
198	PISHACH KARPAS	ABROMA AUGUSTA	1
199	PLAKSHA	FICUS LACOR	1
200	PRIYANGU	CALLICARPA MACROPHYLLA	3
201	PUDINA	MENTHA SPICATA	5
202	PUNARNAVA	BOERHAVIA DIFFUSA	13
203	PUNNAG	CALOPHYLLUM INOPHYLLUM	3
204	PUTRAJEEVAK	PUTRANJIVA ROXBURGI	5
205	RAJBADAR	ZIZYPHUS SATIVA	3
206	RAJIKA	BRASSICA JUNCEA	20
207	RAJMASHA	VIGNA UNGUICULATA	3
208	ERANDA RAKTA	RICINUS COMMUNIS VAR. RED	5
209	ERANDA SHWETA	RICINUS COMMUNIS	5
210	PUNARNAVA RAKTA	BORRHEVIA DIFFUSA	7
211	RAKTA CHANDAN	PTEROCARPUS SANTALINUS	1
212	RAKTALU	SWEET POTATO	5
213	RANBHENDI	ABELMOSCHUS FICULNEUS	10
214	RASON	ALLIUM SATIVUM	11
215	ROHITAKA	TECOMELLA UNDULATA	2
216	ROHITAKA	AMOORA ROHITAKA	4



# A.S.S. Ayurved Mahavidyalaya

Ganeshwadi, Panchavati, Nashik-422003

217	SAHADEVI	VERONIA CINERIA	7
218	SAIREYAK ( RAKTABH)	BARLERIA PRATTENSIS	5
219	SAIREYAK (NEEL)	BARLERIA STRIGOSA	3
220	SAIREYAKA (PEET)	BARLERIA PRIONITIS	13
221	SAIREYAKA (SHWET)	BARLERIA CRISTATA	5
222	SAPTPARNA	ALSTONIA SCHOLARIS	4
223	SARIVA (SHWET)	HEMIDESMUS INDICUS	3
224	SARPGANDHA	RAUWOLFIA SERPENTINA	3
225	SATAP	RUTA GRAVEOLENS	2
226	SAYLI	JASMINUM FLUMINENSE	1
227	SHAKA	TECTONA GRANDIS	2
228	SHALI	ORYZA SATIVA	15
229	SHALLAKI	BOSWELIA SERRATA	3
230	SHALMALI	BOMBAX CEIBA	2
231	SHALPARNI	DESMODIUM GANGATICUM	1
232	SHAMI	PROSOPIS SPICIGERA	1
233	SHARPUNKHA	TEPHROCIA PURPURIA	10
234	SHATAPUSHPA	ANETHUM SOWA	3
235	SHATAVARI	ASPERAGUS RACEMOSUS	14
236	SHATHI	HEDYCHIUM SPICATUM	8
237	SHENDRI	BIXA ORELLANA	2
238	SHER	EUPHORBIA TIRUCALLI	2
239	SHIGRU (KATU)	MORINGA OLEIFERRA	6
240	SHIGRU (MADHU)	MORINGA OLEIFERRA	2
241	SHIMSHAPA	DALBERGIA SISSOO	5
242	SHINSHAPA	DALBERGIA LANCEOLARIA	1
243	SHIRISH	ALBIZZIA LEBBEK	8
244	SHIRISH BHED ( RAIN TREE )	SAMANEA SAMAN	1
245	SHIVLINGI	CORALLOCARPUS CONOCARPAE	3
246	SHLESHMATAK	CARDIA DICHOTOMA	4
247	DURVA (SHWET )	CYNODON DACTYLON	3
248	SITAPHALA	ANNONA SQAMOSA	8
249	SONTAKKA	HEDYCHIUM CORONARIUM	5
250	SWARNAKSHIRI	ARGIMONE MEXICANA	7
251	TANDULIYAKA	ACHYRANTHUS SPECIES	10
252	TAPIOCA (SABUDANA)	MANIHOT ESCULENTA	5
253	TARUNI	ROSA CENTIFOLIA	12
254	TENTU	OROXYLLUM INDICUM	3
255	TUDA	MORUS ALBA	4



# A.S.S. Ayurved Mahavidyalaya

Ganeshwadi, Panchavati, Nashik-422003

256	TULSI SHWET	OCIMUM AMERICANUM	11
257	UDUMBAR	FICUS GLOMERATA	4
258	UPODIKA	BASELLA RIBRA	2
259	USHIR	VETEVARIA ZIZANIDS	3
260	VACHA	ACHORUS CALAMUS	7
261	VANAPALANDU	ARGINIA INDICA	2
262	VANDAK	VANDA ROXBURGHII	3
263	VANSHA	BAMBOOSA BAMBUS	30
264	VARAHI KANDA	DISCORIA BULBIFERRA	15
265	VARUN	CRATEVA RELIGIOSA	1
266	VASA	ADHATHODA VASICA	17
267	VATA	FICUS BENGALENSIS	3
268	VIDANGA	EMBELIA TSJERIAM KOTTAM	2
269	VIDARI	PEURARIA TUBEROSA	1
270	VIJAYSAR	PTEROCARPUS MARSUPIUM	3
271	VITKHADIR	ACASIA SPECIES	2
272	VRIDDHADARU	ARGYREIA SPECIOSA	5
273	VRIKSHAMLA	GARCINIA INDICA	5
274	VYAGHRI ERANDA	JATROPHA CURCUS	2
275	YASHTIMADHU	GLYCERHIZA GLABRA	1
276	MATH (RAKTA)	AMARANTHUS TRICOLOR	5
277	MATH (SHWET)	AMARANTHUS ALBUS	5

<b>TOTAL NO. OF PLANTS</b>	<b>1646</b>
<b>TOTAL NO OF SPECIES</b>	<b>277</b>



# A.S.S. Ayurved Mahavidyalaya

Ganeshwadi, Panchavati, Nashik-422003

Ayurved Seva Sangh  
Ayurved Mahavidyalaya Nashik



## Number of species in the Herbal garden

Sr. No.	Year	Number of species	Area of the Garden in Acres
1	2016	264	2.5 Acres
2	2017	265	
3	2018	266	
4	2019	267	
5	2020	269	
6	2021	275	
7	2022	277	

*Dy. S. K. Kulkarni*  
HOD  
Dravyaguna Vidhyaa Dept.  
Ayurved Mahavidyalaya, Nashik.

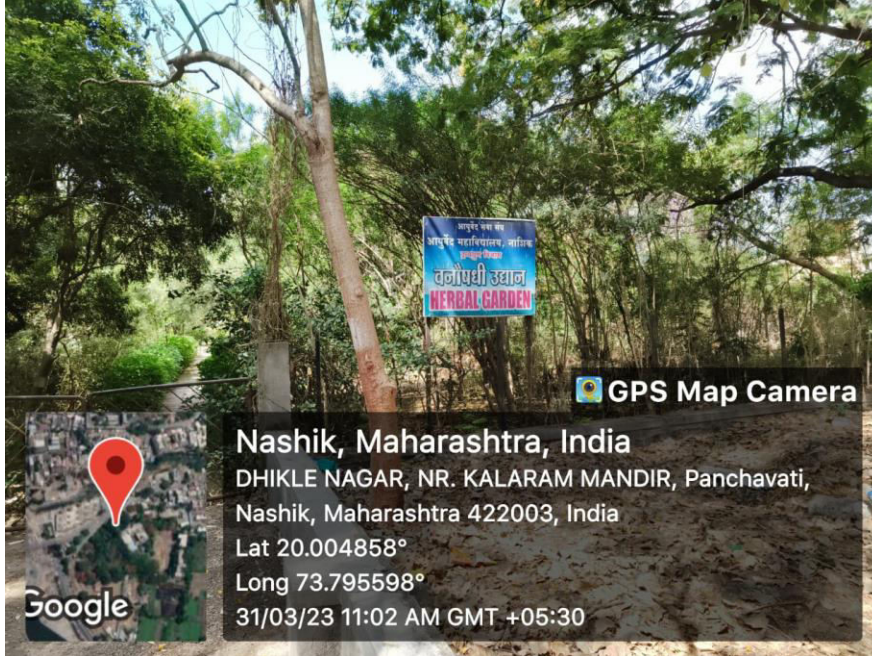
*[Signature]*  
I/C PRINCIPAL  
Ayurved Mahavidyalaya, Nashik



# A.S.S. Ayurved Mahavidyalaya

Ganeshwadi, Panchavati, Nashik-422003

## Herbal Garden





# A.S.S. Ayurved Mahavidyalaya

Ganeshwadi, Panchavati, Nashik-422003

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## Animal House Memorandum

This Memorandum of understanding has been agreed upon & signed by the parties on this .....day of March 2012 as under:

1. **Mr. Vd. Shishir Pande**  
Secretary, Ayurved Sanshodhav Vibhag  
Ayurved Seva Sangh  
Ganeshwadi, Panchavati, Nashik - 422 003.  
(Hereafter referred to as 'ASVASS' )

2. **To,**  
**The Principal,**  
**Dr. Rajendra S. Bhambar**  
Mahatma Gandhi Vidyamandir  
Pharmacy College, Panchavati, Nashik

To undertake an Open Labeled, Randomized, Multi-center, Parallel Group, Pre Clinical Study of Safety toxicity and Efficacy of DCL2016 ointment on superficial burn wound healing in rats. situated at Pharmacy College Panchavati Nashik. Safety toxicity and Efficacy of DCL2016 ointment on superficial burn wound healing in rats "

Now the terms of this M.O.U. witness as under -

\* The Objective of the study shall be -

- 1) The Pre clinical study shall be conducted at Mahatma Gandhi Vidyamandir, Nashik and the No. of subjects shall be enrolled ----- in the study.
- 2) The products to be investigated shall be as under -
  - i). Safety toxicity and Efficacy of DCL2016 ointment on superficial burn wound healing in rats.
- 3) After getting clearance from the Ethical Committee for this Pre clinical study.-----
- 5) **Drugs and chemicals:-** DCL2016 topical cream, silver sulphadiazine cream 1% w/w, ketamine. All other chemicals shall be of analytical grade.

1). **Animals:** A total of 30 healthy (150-200 g) wistar rats of either sex will be purchased from NTC, Pune or from Mumbai. They shall be housed five per cage under standard laboratory conditions of temperature (25±2°c) with food and water and relative humidity of 45-55% and 12/12 light/dark cycle. The experiments shall be carried out according to the guidelines of the committee for the purpose of control and supervision of experiments on



# A.S.S. Ayurved Mahavidyalaya

## Ganeshwadi, Panchavati, Nashik-422003

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animals (CPCSEA), New Delhi, India, and the Institutional Animal Ethical Committee (IAEC) shall approve protocol of this study.

2). **Wound Model:** We shall produce the thermal lesion on the back of the animal as follows: after anaesthesia ketamine (100 mg/kg, i.m) of the animal an electric shaver/depilator cream is used to expose a cutaneous surface on the back, the rat is then placed on its back in a mouldable metal wire cage. Once the animal is securely immobilized in the metal cage, the shaved dorsal area shall be submerged for 12 sec in water at 70 °C. This model inflicts a dermal burn in the entire cutaneous area exposed. After animals recover completely from anaesthesia, they shall be kept in individual cages and followed all norms of GLP in caring the animals. The animals shall be given pentacocine (17.5 mg/kg) on day 1, 3 and 5 to minimize pain associated with burn.

6) **Treatment schedule**

Animals shall be randomly divided into five groups with 5 animals in each group

Group 1:- Vehicle treated control

Group 2:- Shall receive Silver sulfadiazine (1%) topically

Group 3:- Shall receive DCL2016 cream topically.

Group 4:- Shall receive DCL2016 cream topically without lead

Group 5:- Shall receive only lead ointment

All drugs shall be given daily for 21 days or till

complete epithelialization whichever is applicable.

7) **Assessment of burn healing:**

a.) **Wound contraction:** It is monitored by measuring the progressive changes in wound area, planimetrically on a transparent paper, every alternate day. The tracings will then be transferred to 1mm<sup>2</sup> graph paper, from which the wound surface area is evaluated. This evaluated surface area is then employed to calculate the percentage of wound contraction, taking the initial size of wound (2x2cm) as 100% by using the following formula.

$$\text{Wound contraction (\%)} = \frac{\text{Initial wound size} - \text{specific day wound size}}{\text{Initial wound size}} \times 100$$

b.) **Wound epithelialization period:** It is the time taken for full epithelialization or the wound surface. It is measured by recording the days required for fall of eschar leaving no raw wound area behind.

c.) **Histopathological examination:** After complete epithelialization, the rats will be sacrificed and the wound bed will be dissected out, preserved in 10% formalin and will be sent for histopathological examination.

**For toxicity study:** At the end of the experiment, the rats shall be sacrificed, their blood sample shall be withdrawn from carotid bleeding. The serum shall be separated from whole



# A.S.S. Ayurved Mahavidyalaya

Ganeshwadi, Panchavati, Nashik-422003

blood using high speed centrifuging machine and analyzed for presence of lead using Atomic absorption spectroscopy.

10). Recruitment Plan -

15) 'ASVASS' shall pay to 'Mahatma Gandhi Vidyamandira Pharmacy College, Panchavati, Nashik' service charges as under -

Sr.No	Head	Cost(Rs)
1	CPCSEA Approval of the project	██████
2	Purchase of rats(30 nos-20M+20F) @ 350/- approx per rat + tax	██████
3	Travelling charges (Nak-Pune/Mumbai) in AC vehicle	██████
4	Animal House Maintenance (electricity, animal house attendant and cleaning)	██████
5	Animal Feed (4 bags)	██████
6	Miscellaneous expenses (chemicals, gloves razors, depilatory cream, syringes, fabrication of apparatus if any)	██████
7	Histopathology studies and serum Pb determination (Atomic absorption)	██████████
	Total	██████████
	Overhead Institutional Charges	██████
	Total Estimate	██████████

Total Study budget is Rs. 75000/- (Rupees Seventy five Thousand Only).

- 16) 'Safety toxicity and Efficacy of DCL2016 ointment on superficial burn wound healing in rats' shall pay 40% advance along with the confirmation letter and the balance before delivery of the final study Report.
- 18) In case of any dispute not settled by mutual discussions, the Nashik Court shall only have the jurisdiction.
- 19) The service Tax or TDS or any other taxes or charges if any shall be added in the Bill and shall have to be paid by the 'Safety toxicity and Efficacy of DCL2016 ointment on superficial burn wound healing in rats'.
- 20) In case of any **adverse effect or side effect** of any of the product under trial, the responsibility of monetary reimbursement to the concerned subject under trial shall rest with 'Safety toxicity and Efficacy of DCL2016 ointment on superficial burn wound healing in rats' and in such event, if the further investigative trials may be stopped in respect of the product concerned with the problem. However, 'Safety toxicity and Efficacy of DCL2016 ointment on superficial burn wound healing in rats' shall make full payment stated in item 13 above and no deduction of any charges shall be insisted for by 'Safety toxicity and Efficacy of DCL2016 ointment on superficial burn wound healing in rats'.

This M.O.U. has been signed by the parties at Nashik on this.....day of March 2012.

For A.S.V.A.S.S.

For Mahatma Gandhi Vidyamandira  
Pharmacy College

Name -  
Designation -

Name -  
Designation -



  
I/C. Principal  
Ayurved Mahavidyalaya, Nashik