

Appendix I
Commercial Dressings Available in the Market and Their Rating

S.No	Type of bandaids	Available size	Price	Properties
1	Gauze dressing	Begin from 3 meters	10rs-200rs	Antimicrobial gauze, conforming gauze, impregnated gauze, bordered gauze, packing gauze, others (sterile gauze pads, non-sterile gauze pads, stretch gauze bandages, and paraffin gauze)
2	Semi permeable flim dressing	5 x 7 cm, 9 x 10 cm, 15 x 15 cm, 9 x 25 cm, 9 x 35 cm	Range from 7rs - 200rs	Water proof, bacterial proof, transparent pu flim, non adherent absorbency pad, silver layer,
3	Semi permeable foam dressing	4" x 4", 6" x 6", 6" x 8"	Ranges from rs115 and more	Duoderm extra thin foam dressing, CGF dressing, Ag hydro fiber dressing.
4	Hydro gel dressing	2" x 2", 4" x 4",	Ranges from rs7500 per pack of 10	Hydro gel sheets, amorphous hydro gel, impregnated hydro gels dressings
5	Hydrocolloid dressing	5 x 5cm, 10 x 10cm, 10 x 20cm, 15 x 15cm, 20x 20cm, 10 x 15cm	Ranges from rs7500 per pack of 10	With border adhesive finishing, without border adhesive finishing, ConvaTec Duo DERM CGF - Control Gel Formula wound
6	Absorbent and bio-degradable dressing	5 x 5cm, 10 x 10cm, 10 x 20cm, 15 x 15cm, 20x 20cm	Range from rs200	Haemostatic agent-surgical sponges, wound dressing, non-woven fabrics for surgical use
7	Bio active wound dressing	5 x 5cm, 10 x 10cm, 10 x 20cm	Range from pre piece rs390	Alginate dressing, antimicrobial dressing and hydrocolloids dressings

Appendix I

Different Type of Commercial Wound Dressing



Gauze wound dressing



Semi permeable flim dressing



Semi permeable foam dressing



Hydro gel dressing



Dressing



Hydrocolloid biodegradable wound dressing



Absorbent and Bioactive wound dressing

Appendix - II

Interview Schedule to Collect Information with Respect of Wound Dressing Band-aids

Investigator : S.Archanaa Preetha (Ph.D Scholar)
 Department of Textiles and Clothing, Faculty of Home
 ScienceAvinashilingam Institute for Home Science and Higher
 Education for Women,Coimbatore

1. Name :
2. Address :
3. Designation :
4. What are the type of wound dressing bandages were you use for acute*
wounds please tick

List of Bandages		Please Tick	Reasons
Hydro colloid	Burns		
	Wounds that emitting liquids		
	Necroticwounds		
	Pressureulcers		
	Varicose ulcers		
Hydro gel	Leaking wounds		
	Painful or necrotic wounds		
Alginate dressing	High amounts of drainage		
	Burns		
	Venous ulcers		
	Packing wounds		
	Higher state pressure ulcers.		
Collagen	Chronic wounds		
	Pressure sores		
	Transplant sites		
	Surgical wounds		
	Ulcers		
	Burns or injuries with a large surface area		
Foam	Injuriesexhibitodour		
	Absorbs exudates for wound surface.		
	Used on surgical incision sites		
	Burns		
	ulcers		
	IV sites		
Cloth	Cover open wounds		
	Grazes		
	Cuts		
	Areas of delicate skins		

List of Properties Which are Best Suitable for Band-aids Used for Acute Wounds Please Tick

Best Suitable Properties for Wound Dressing	Please Tick	Reasons
Non-breathable		
Breathable		
Easy wearable		
Comfortable		
Self-adhesive		
Suitable for sensitive skin type		
Reduce pain		
Remove dead tissue		
Cooling effect on burning wounds		
Absorb excess liquid		
Containing sodium and seaweed fibres		
Helping to bring the wound edges together		
Aiding the growth of new blood vessels		
Effectively speeding up healing		
Allow water vapour to enter		
Keeping the area moist		
Promoting faster healing		
Antimicrobial property		
prevent infection		
Used to dress all shapes and sizes		
Biodegradable		

***Signature**

Appendix-III

Plant Authentication

The Plant Authentication Report for the Selected Herbs were given below



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE
भारतीय वनस्पति सर्वेक्षण
BOTANICAL SURVEY OF INDIA



दक्षिणी क्षेत्रीय केन्द्र / Southern Regional Centre
टी.एन.ए.यू. कैम्पस / T.N.A.U. Campus
लाउली रोड / Lawley Road
कोयंबटूर / Coimbatore - 641 003

टेलीफोन / Phone: 0422-2432788, 2432123
टेलीफैक्स / Telefax: 0422- 2432835
ई-मेल / E-mail id: sc@bsi.gov.in
bsise@rediffmail.com

सं. भा.व.स./द.क्षे.के./No.: BSI/SRC/5/23/2018/Tech. / 2576

दिनांक/Date: 21st December 2018

पौधे प्रमाणीकरण प्रमाणपत्र / PLANT AUTHENTICATION CERTIFICATE

The plant specimens brought by you for authentication are identified as follows:

- (1) *Abutilon indicum* (L.) Sweet – MALVACEAE
- (2) *Senna auriculata* (L.) Roxb. – CAESALPINIACEAE
- (3) *Tridax procumbens* L. – ASTERACEAE
- (4) *Cassia fistula* L. - CAESALPINIACEAE

The identified specimens are returned herewith for preservation in their College/ Department/ Institution Herbarium.

डॉ सी मुरुगन / Dr. C. Murugan
वैज्ञानिक 'डी' एवं कार्यालय अध्यक्ष /
Scientist 'D' & Head of Office

वैज्ञानिक 'डी' एवं कार्यालय अध्यक्ष
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Botanical Survey of India
दक्षिणी क्षेत्रीय केन्द्र
Southern Regional Centre
कोयंबटूर / Coimbatore - 641 003.

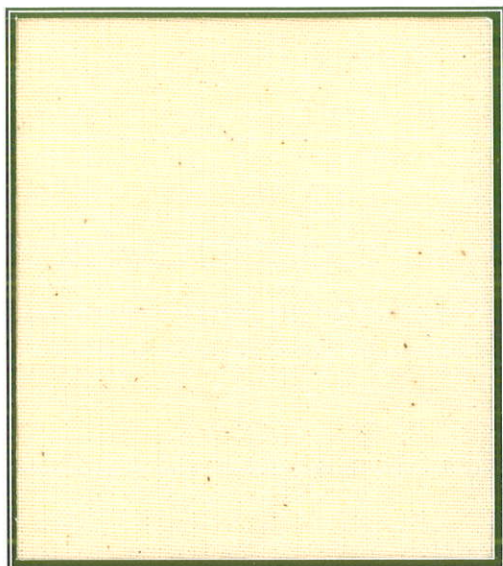
सेवा में / To

Ms. S. Archanaa Preetha
Ph. D. Research Scholar
Department of Textiles and Clothing
Avinashilingam Institute for Home Science
And Higher Education for Women
Coimbatore – 641 043

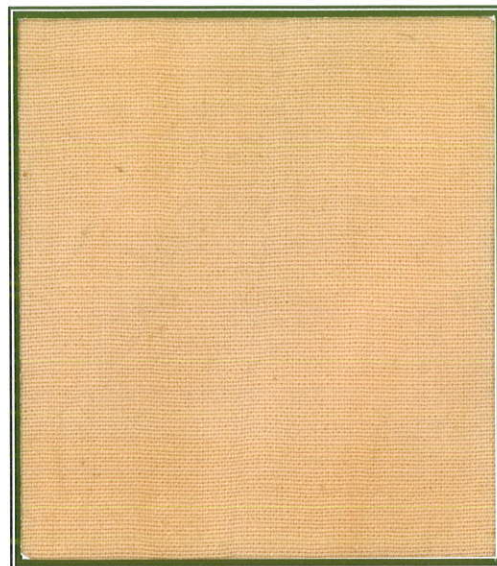
Appendix - IV

Control and Herbal Finished Samples

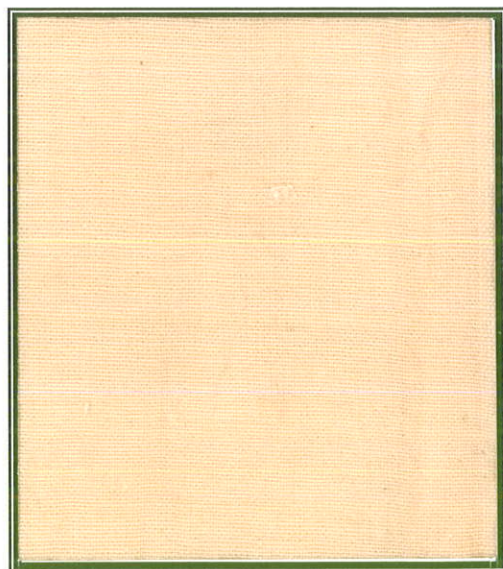
The polyherbal antimicrobial finished fabric samples of C,DDF,MEF and NEF are given C-Control,DDF-Dip and Dry finish, MEF-Microencapsulated finish and NEF-Nanoencapsulated finish



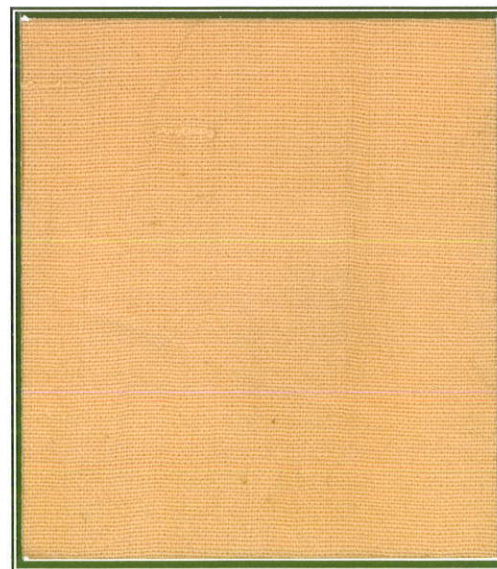
C



DDF



MEF

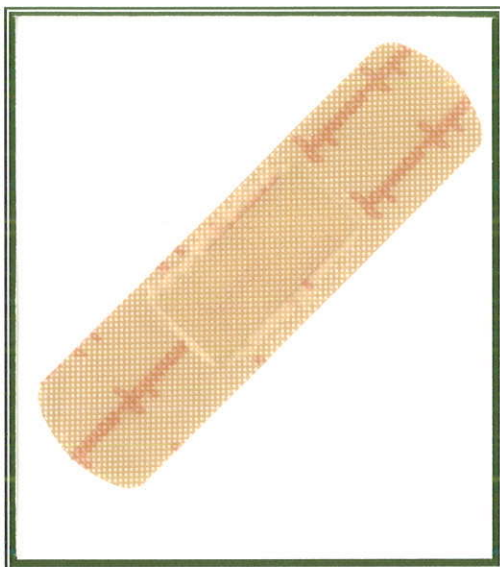


NEF

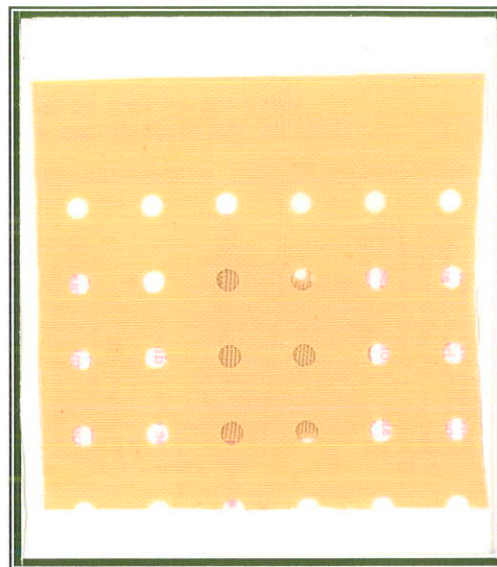
Appendix - V

Self adhesive Bandaid

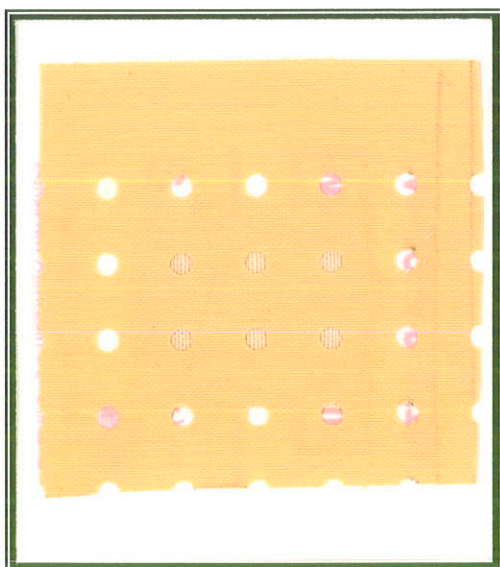
The polyherbal finished fabric had been developed into selfadhesive bandaids of DDF, MEF and NEF along with the commercial bandaids available in the medicals.



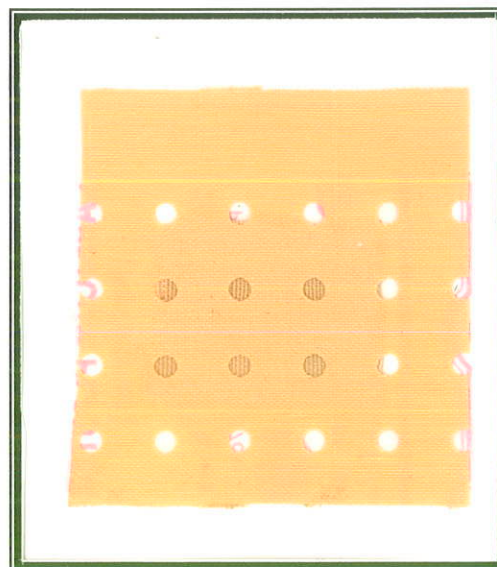
Commercial Bandaid



DDF



MEF



NEF