




# Bharathiar University

State University | "A++" Grade by NAAC | 46<sup>th</sup> Rank in MoE-NIRF  
Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

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|---|---|
| <p><b>Dr M SUMITHRA</b><br/>Assistant Professor<br/>Department of Textiles and Apparel Design<br/>Bharathiar University<br/>COIMBATORE, 641015<br/>Tamil Nadu<br/><b>E-mail:</b> sumitad@buc.edu.in<br/><b>Phone:</b> 8870233330<br/><b>Office Number:</b> 04222428255</p>  |   |
| <p><b>Research Area</b></p> <ul style="list-style-type: none"> <li>• Herbal Finishes, Natural Fibers, Eco Textiles</li> <li>• Visual Merchandising, Technical Textiles, Home Textiles</li> <li>• Textiles and clothing</li> </ul>   | <p><b>Courses Teaching</b></p> <ul style="list-style-type: none"> <li>• Fundamentals of Textile science and Apparel Designing</li> <li>• Home Textiles</li> <li>• Apparel quality standards and implementation</li> <li>• Surface Enrichment and Accessory Making</li> <li>• Clothing Care</li> </ul> |
| <p><b>Research Experience:</b> 16</p>   | <p><b>Teaching Experience:</b> 25</p>   |
| <p><b>Research Credentials</b> (as on September 2025 – Source: Google scholar)<br/>H-index: 181                      Citations: 8                      i10-index: 6</p>   |   |
| <p><b>Publications</b><br/>Books/Chapters: 6                      National Journals: 15                      International Journals: 60<br/>Conferences: 19</p>   |   |
| <p><b>Career</b></p> <p><b>At Bharathiar University</b></p> <p><b>1. Designation : Assistant Professor</b><br/>Period : October 2014 - Till Date</p> <p><b>Other Institutes</b></p> <p><b>1. Designation : Associate Professor</b><br/>Institution Name : PSG College of arts and science<br/>Period : June 2004 - October 2014</p> <p><b>2. Designation : HoD</b><br/>Institution Name : Bharathidasan college of arts and science<br/>Period : June 2000 - May 2001</p> <p><b>3. Designation : Assistant Professor</b><br/>Institution Name : PSG College of Technology<br/>Period : July 2001 - April 2003</p> |   |
| <p><b>Education</b></p> <p><b>Ph. D.</b><br/>Subject : Textiles &amp; Apparel Design<br/>Institution : Avinashilingam University<br/>Affiliated University : Avinashilingam University<br/>Year of Award : August 2014</p> <p><b>M. Phil.</b><br/>Subject : Textiles &amp; Apparel Design<br/>Institution : Bharathiar University<br/>Affiliated University : Bharathiar University<br/>Year of Award : December 2007</p>   |   |



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State University | "A++" Grade by NAAC | 46<sup>th</sup> Rank in MoE-NIRF  
Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

Dr M SUMITHRA , Assistant Professor , Department of Textiles and Apparel Design

## M. Sc.

Subject : Textiles & Apparel Design  
Institution : Avinashilingam University  
Affiliated University : Avinashilingam University  
Year of Award : May 2000

### Projects

#### National Level

Ongoing - 2    completed - 2

### Research Guidance

#### Completed

Ph.D. - 1

#### On Going

Ph.D. - 3

### Programs organized

1. Entrepreneurship development programe ( 2015-04-13 - 2015-03-12 )
2. Workshop on fashion illustration ( 2015-10-30 - 2015-10-31 )
3. Seminar on strategies for bridging skill gaps in textile & apparel industries and activities of SITRA for Textile Industries under industry and institute linkage ( 2016-10-27 - )
4. Workshop on Teem mural painting ( 2017-03-23 - 2017-03-24 )
5. Liquid embroidery basic and advance ( 2017-12-22 - )
6. Workshop onLiquid embroidery basic and advance ( 2018-01-23 - 2018-01-24 )
7. Workshop onThe Global Art ( 2019-03-25 - 2019-03-26 )
8. Aari work ( 2019-09-05 - 2019-09-06 )
9. Foreign art forms ( 2022-11-11 - )
10. Orientation program ( 2023-07-26 - 2023-07-24 )
11. WorkshopPipili art and pichuwari art ( 2024-10-24 - )
12. Guest lecture Title: Non-woven ( 2024-09-26 - )
13. Guest lecture Title: quality standards and eco parameter testing ( 2024-10-09 - )
14. National conference on Innovation in Textiles and Fashion ( 2017-01-05 - )
15. International virtual seminar on "Textile Industry and Covid -19" ( 2021-01-04 - 2021-01-12 )

### Publications

#### International Journals - 60

##### 60. Development of hygienic comfort sweat underarm pad using natural 100% bamboo non -woven fabric

International journal of advances in engineering and management (IJAEM),VOL 7,ISSUE 09,&PP 621-627. (September 2025)  
L.Sanmathi &Dr.M.Sumithra

##### 59. Application of Denim Fabrics in Fashion Accessories and Home Textiles

IJRES International Journal of Recent Engineering Science VOL11 isu 2 pages 26-30 (April 2024)  
M. Sumithra

##### 58. Importance of antimicrobial finishes in sportech: An overview 2024

International Virtual Conference "Apparel and Nutra-Ergonomic Considerations in Enhancing Sports Performance" (February 2024)  
M. Sumithra

##### 57. A study on organic fibres for sustainable and eco-friendly textiles

International journal of textile and fashion technology (IJTFT)vol 13isuess 2 (December 2023)  
V. S. Karpagavalli1 , M. Sumithra



## **56. Reactive eco-friendly dyeing of natural fabrics using a novel herbal composite containing extracts of hemigraphis colorata and bacopa monnieri-SCIE**

Journal of industrial textiles,jan-dec2023 ,vol 53 page 1-19 (December 2023)  
V.S Karpagavalli 1 Dr.M.Sumithra 2

## **55. Analysis of Textural characterization of coconut shell Bio-Pac(Biomass powder-Activated Carbon Structures through field emission scanning electron microscopy (FESEM) Techniques**

IJARSEM,International Journal of All Research Education &Scientific Methods. ISSN:2455-6211,New Delhi, India2023 vol11 issues7 pages 1515- (July 2023)  
M.Malini Devi1 and Dr.M.Sumithra2

## **54. A STUDY ON PLANT FIBERS FOR SUSTAINABLE AND ECOFRIENDLY TEXTILES.**

IARJSET ISSN (O) 2393-8021, ISSN (P) 2394-1588 International Advanced Research Journal in Science, Engineering and Technology ISO 3297:2007 (June 2023)  
Karpagavalli1 , M. Sumithra2

## **53. Assessing resistance in food wastes through the activated carbon powder with absorbent analysis with eco friendly materials**

International Advanced Research Journal in Science, Engineering and Technology vol 11 issue 7 1515-June 2023 (June 2023)  
V. S. Karpagavalli1 , M. Sumithra2

## **52. Analysis on indian handloom weaving process**

International journal of scientific research and engineering development,,V6,I3,712-719 june 2023 (June 2023)  
V.S Karpagavalli 1, M.Sumithra 2

## **51. Application Of Antimicrobial herbal extract on bamboo non- woven fabric for treating Basal Cell Carinoma Scars**

International journal of scientific research and engineering development, vol 6 isu 3pages 95-100may –June 2023 (June 2023)  
R. Angala Eswari, Dr.M.Sumithra ,

## **50. A Study on Medicinal Properties of Ayurvedic Herbs and its Usage in Textile Industry**

International Journal of Science and Research May 2023 vol 12 isu 2 pages 2144-2151 (May 2023)  
V. S. Karpagavalli1 , M. Sumithra2

## **49. Exploring Fibre and Fabrics Used for Home Textile Products**

International Journal of Research Publication and Reviews. May 2023vol 4 isu 5 pages 1128-1131 (May 2023)  
R. Angala Eswari and Dr. M. Sumithra 2

## **48. Safety Evaluation Of Biodegerable Sanitary Napkin**

International Journal of Advances in Engineering Management (IJAEM), vol5isu 3 page 25-27 March 2023 (March 2023)  
M.Sumithra

## **47. A Comparative Study on Mosquito Repellency in Knitted Fabric using Herbal Extracts and Oils**

International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) vol 3 isu 2 page 622-627Febuary-2023 (February 2023)  
Sadheesh Kumar. A1, Dr. M. Sumithra1, Aishwarya. R3, Jothipriya. R

## **46. Article on organic yarn preparation weaving organic fabric and enzymatic desizing process (Indexed in web of science) V**

BioGecko-A journal for new Zealand herpetologyJanuary-Febuary-2023 vol12 isu 1 page 577-590 (February 2023)  
V.S.Karpagavalli,Dr.M.Sumithra

## **45. Evaluation of 100% Eco-Friendly Herbal Coated Sanitary Napkin**

International Research Journal of Innovations in Engineering and Technology (IRJIET)vol 7issues 2 page 86-87February 2023 (February 2023)  
M.Sumithra

## **44. Market survey on feminine hygiene products for sanitary napkin**

International Research Journal of Innovation in Engineering and Technology (IRJIET), vol 7issue 2 page 24-26February 2023 (February 2023)  
Murugesan Sumithra



#### 43. Selection of Herbs For Disposable Sanitary Napkin

International Journal of Innovative Research In Science /Engineering /Technology (IJIRSET) vol 12 issues 2 pages 1349-1353 February 2023, vol 12 isu 2 page 1349-1353 (February 2023)

M.Sumithra

#### 42. Development of biodegradable eco friendly herbal coated sanitary napkin

Journal of fashion technology and textile engineering, Vol: 11 Issue: 5 (January 2023)

M.Sumithra

#### 41. Design inspiration naturalism on apparels

International Journal of Scientific Research in Engineering and Management (IJSREM) vol 6 isu 2 page 1-9 February 2022 (February 2022)

V.S. Karpagavalli and Dr.M.Sumithra

#### 40. Design inspiration rhopalocera application on apparels in current trends

IRJMETS40200010842 February 2022, vol 4, issue 02 page no 538-545 (February 2022)

V.S. Karpagavalli and Dr.M.Sumithra

#### 39. Self Regulating Smart Textiles.

Research Journal of Textile and Leather (RJTL) August 2021, vol 2 issue page 101-103 (August 2021)

Sadheeshkumar, Dr.M.Sumithra

#### 38. Acoraceae Plants Extract on Fabric Finishes

International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 8, Issue 1, August 2021 (August 2021)

Sadheesh kumar.A, Dr.m.sumithra and Aishwary .R

#### 37. Herbal Finished Garment For Skin Allergies Patients

ISAR - International Journal of Research in Engineering Technology August 2021 vol 6i sue page 1-7 (August 2021)

Sadheesh kumar.A ,Dr.M.sumithra, A.Lavanya Ashiwarya.R

#### 36. Comparison of Various Properties Between Nanoencapsulated Cotton Denim fabric and The Untreated

##### Cotton Denim Fabric V

International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) August 2021 vol 8 issues1 page 165-179 (August 2021)

V.S Karpagavalli and Dr.M.Sumithra

#### 35. Preparation Of Coconut Shell And Pista Shell Charcoal And Finishing Natural Cotton And Bamboo Fabric

##### Materials-An Eco-Friendly Approach

International journal of research and analytical reviews(IJRAR) August 2021, vol 8 issue3, page 956-971 (August 2021)

MS.M.Malini Devi and Dr.M.Sumithra

#### 34. Electronic Sensor Application In Textiles And Apparels

World journal of pharmaceutical research, August 2021, vol 10, issue 10, page no 1245 (August 2021)

Sadheesh kumar.A, Dr.m.sumithra

#### 33. Innovation Approach –Preparation Of Lemon Wood Charcoal Finishing With Natural Materials

International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 8, Issue 1, August 2021 (August 2021)

M.Malini Devi and Dr.M.Sumithra

#### 32. Eco-friendly antimicrobial finishes of cotton denim fabric using herbal extracts

International Journal of Scientific Research and Engineering Development August 2021, vol 4, issue4, page 767-774 (August 2021)

V.S Karpagavalli and Dr.M.Sumithra

#### 31. The Inquiry Of Antibacterial Finishes On Modal Blended Knitted Fabric

International Journal of Scientific Research in Engineering and Management (IJSREM) July 2021 (July 2021)

Dr.M.Sumithra

#### 30. Textile finishes for a healthy environment

International Journal of Scientific Research Engineering and Management ( IJSREM), vol 5 issue 7, page 1-6 July 2021 (July 2021)

Sadheesh kumar.A , Dr.M.Sumithra



## **29. Technological Advancement in Textile and Fashion – Wearable E- Textiles**

Research Journal of Textile and Leather, July 2021, vol 2, issue 2, page 97-99 (July 2021)  
Aishwarya.R, Dr.M.Sumithra, sadheesh kumar.A

## **28. Natural Herbals Extracts And Application Of Bamboo, Cotton & Rayon Fabrics Using Apparels**

International Journal Of Multidisciplinary Educational Research July 2021 (July 2021)  
Sadheesh kumar.A, Dr.m.sumithra

## **27. A study on consumer awareness of sanitary napkin UGC**

International Journal Of Multidisciplinary Educational Research 2021 (January 2021)  
Dr.M.Sumithra

## **26. Extraction and characterization of natural cellulose fibers from Elettaria Cardamomum**

Tekstilna Industrija (January 2021)  
Dr.M.Sumithra, Gayathri Murugan

## **25. Effect of microencapsulation of denim fabrics with herbal extract on the handle and care properties**

Daffodil International University, Journal of Science and Technology, vol 8, page 61-69 (October 2020)  
Dr.M.Sumithra

## **24. Dyeing of cotton fabric using herbs**

Journal of Textile Science and Engineering 2018 (December 2018)  
Dr.M.Sumithra

## **23. Development of medical textile product using chitosan incorporated herbal extract (Aristolochia bracteolata)**

International Journal Of Pharmacy And Life Sciences March 2018 (March 2018)  
Dr.M.Sumithra

## **22. Eco- friendly herb extracts treated on cotton fabric using antibacterial activity**

International Journal Of Scientific Research In Engineering January 2017 (January 2017)  
Dr.M.Sumithra

## **21. Functional modification on adhesive bandage using natural herbs**

Functional modification on adhesive bandage using natural herbs Journal Of Textile Science & Engineering 2016 (December 2016)  
Dr.M.Sumithra

## **20. A Study On The Effect Of Cotton Fabric Finished With "Aegle Marmelos" Herb**

Inn Original International Journal Of Sciences (October 2016)  
Dr.M.Sumithra

## **19. Effect of insect repellent property using microencapsulation technique**

World Journal Of Pharmaceutical Research (March 2016)  
Dr.M.Sumithra

## **18. Evaluation of blended knitted fabric dyed with natural pigments**

Journal Of Basic And Applied Research International (November 2015)  
Dr.M.Sumithra

## **17. Nano encapsulated finishes for physical and comfort properties for durable 100% cotton denim fabrics**

International Journal Of Arts And Humanities, Spring Journals (April 2015)  
Dr.M.Sumithra

## **16. Antifungal activity of herbal finish on 100 % cotton denim fabric**

Journal Of Fashion Technology & Textile Engineering (April 2015)  
Dr.M.Sumithra

## **15. Antiodor evaluation of microencapsulation and nanoencapsulation finished fabric**

International Journal Of Pharmacy And Life Sciences (March 2015)  
Dr.M.Sumithra

## **14. Natural dyeing using Bauhinia purpurea flower on selected fabrics**

Indian Journal of Advances in Science Engineering and Technology, vol 1, issues 3, page 95-100 (September 2014)  
Souganthika.M Dr.Sumithra Murugesan



### **13. Herbal coating of denim fabric to enhance the wickability**

International Journal Of Biomedical Research, (February 2014)  
Dr.M.Sumithra

### **12. A novel method of dyeing nylon 6, 6 with cold brand reactive dyes and assessment of its fastness properties**

Textile Science And Engineering (February 2014)  
Dr.M.Sumithra

### **11. Antimicrobial finishing of denim fabric with herbal extracts**

American Journal Of Medical And Biological Research, (August 2013)  
Dr.M.Sumithra

### **10. Effect of medical herb extracts treated on cotton denim fabric**

Mintage Journal Of Paramedical And Medical Sciences (May 2013)  
Dr.M.Sumithra

### **9. Antibacterial efficacy analysis of ricinuscommunis, sennaauriculata and euphorbia hirta extract treated on the four variant of denim fabric against escherichia coli and staphylococcus aureus**

Textile Science And Engineering,2&1-4 (December 2012)  
Dr.M.Sumithra

### **8. Herbal Antimicrobial finishes for selected Denim Blends**

Fiber2fashion.com (December 2012)  
Dr.M.Sumithra

### **7. Geometrical properties of multifunctional herbal finishes**

Fiber2fashion.Com (December 2012)  
Dr.M.Sumithra

### **6. Antimicrobial finishing of Denim fabric using metabolic and aqueous extract of selected medicinal herbs**

Antimicrobial finishing of Denim fabric using metabolic and aqueous extract of selected medicinal herbs Fiber2fashion.com (December 2012)  
Dr.M.Sumithra

### **5. Effect of functional finish on bandages for hospital application**

International Journal Of Biomedical Research (December 2012)  
Dr.M.Sumithra

### **4. Fashion draping cowl**

Fiber2fashion.com (May 2012)  
Dr.M.Sumithra

### **3. Herbal Antimicrobial finishes for selected Denim Blends**

Fiber2fashion.com (March 2012)  
Dr.M.Sumithra

### **2. Fashion insights Bharathiyar University**

Himalaya Publishing House Pvt.Ltd. (February 2012)  
R. Geethadevi M.Sumithra

### **1. Mosquito repellency finishes in blended denim fabrics**

International Journal Of Pharmacy& Life Sciences, VOL12 PAGE 650-654 (January 2012)  
Dr.M.Sumithra

## **Books/Chapters - 6**

### **6. Fashion Designing**

Woodhead publishingIndia in Textiles Pvt Ltd, (July 2025)  
Dr.M.Sumithra

### **5. Apparel Quality Standards**

Laser Park Publishing HouseD.No.5, SF No. 115/1, M.G. Colony,Vadavalli, Coimbatore, Tamil Nadu, India2023 (December 2023)  
Dr.M.Sumithra



#### 4. Advanced garment construction guide

Woodhead Publishing India In Textiles Pvt Ltd, 2020, ISBN: 978-81-936446-4-5. (February 2020)  
M.Sumithra

#### 3. Visual merchandising

Laser park publishing house,2017 (December 2017)  
Dr.M.Sumithra

#### 2. H07FD18 - Prototype Development: Men's T-Shirt

H07FD Fashion Designing and Apparel Industry (September 2017)  
Dr.M.SUMITHRA

#### 1. Innovation in textiles and fashion (ITF 2016).

Laser park publishing house,2016 (December 2016)  
Dr.M.Sumithra

#### Conferences - 19

#### 19. Development of eco-friendly sweat absorbing underarm pad with herbal extract

PSG College of Art And Science (February 2025)  
L.Sanmathi M.Sumithra

#### 18. Evaluation of chemical properties for natural herbal coated underarm pad

Avinashilingam institute for home science and higher education for women Coimbatore 641 (January 2025)  
L.Sanmathi M.Sumithra

#### 17. FASHION TEXTILES AND TECHNOLOGY-INDIAN HANDLOOM WEAVING TECHNOLOGY

published by IOT ACADEMY (May 2023)  
V. S. Karpagavalli M. Sumithra

#### 16. TABERNAEMONTANA DIVARICATA FLOWER EXTRACTS OF ANTIMICROBIAL PROPERTIES

published by IOT ACADEMY (May 2022)  
Sadheeshkumar.A Dr.M.Sumithra

#### 15. International conference on skills for clothing sector-Transforming the Training Functions, ICSCS-2020. Eco-friendly textile finishes: Finishes for well-being

Chandru publications (April 2020)  
Sadheeshkumar.A Dr.M.Sumithra

#### 14. 33rd Biennial conference of Home science Association of India on Trends for futuristic development in home science: Research and Innovation

Ganesh Shankar.d, on behalf of shangaverlag and printed at Sivasalapathy printers. (April 2020)  
Sadheeshkumar.A Dr.M.Sumithra

#### 13. Fashion ,accessories, clothing and textiles FACT 2019. Extraction of natural fiber with special reference to Bagasse plant

laser park publishing house (May 2019)  
Karpagavalli V.S, Dr.M.Sumithra

#### 12. Fashion ,accessories, clothing and textiles FACT 2019.-Overview of Colourisation ,colours Psychology and its properties

laser park publishing house (February 2019)  
Mlainidevi.M Dr.M.Sumithra

#### 11. Development of Zero Waste Fashion Garment

laser park publishing house (May 2018)  
Dr.M.Sumithra

#### 10. Effect of Bitter Gourd Extract Coated on Nonwoven Fabrics

laser park publishing house (March 2018)  
L.Kamatchi Dr.M.Sumithra



**9. A Study on the Effect of Anti – Bacterial Activity on Cotton fabric finished with the combination of AzadirchtaIndica and MurrayaKoenigii**

laser park publishing house (February 2018)  
V.Meenakshi Dr.M.Sumithra

**8. Investigation of anti-fungal activity on cotton fabric using natural herbs**

woodhead publishing indiaPvt.ltd,303,vardaan house,7/28,Ansari road, (March 2017)  
Dr.M.Sumithra M.Lalitha

**7. Design and Development of eco-friendly fabrics**

laser park publishing house (March 2016)  
M.Malinidevi, Dr.M.Sumithra

**6. Survey of agro textiles products in the southern region of India**

laser park publishing house (March 2016)  
Dr.M.Sumithra, Meenakshi.V

**5. Efficiency of Nanoencapsulation and their durability on denim fabrics using medicinal herbs**

laser park publishing house (February 2016)  
Dr.M.Sumithra

**4. National conference on medicinal plants and health care**

Kongunadu arts and science college, Coimbatore-641 029. (March 2015)  
Dr.M.Sumithra R.Amudha

**3. Mosquito repellent finish on viscose cotton blended fabric using "leucasaspera "eco – friendly herb**

laser park publishing house (January 2015)  
Dr.M.Sumithra

**2. Mechanical properties for 100% cotton denim fabrics finished with eco friendly**

laser park publishing house (January 2015)  
Dr.M.Sumithra

**1. Gender equality and inclusive growth**

Excel Indian Publishers (October 2010)  
Dr.M.Sumithra, Dr. Vasugiraja

**National Journals - 15**

**15. A Study On Consumer Awareness Of Sweat Underarm Pads**

Man-made textiles in India ,V 9 PAGE 364-367 0.12 (September 2024)  
M. Sumithra

**14. Development of productive clothing using medicinal herbs for skin cancer**

Man-made textiles in India VOL 285-288 ISSUE 0.12JULY 2024 (July 2024)  
Dr.M.Sumithra

**13. Determination of optimum utilization from food waste of eggshell converted to ash-finishing and investigating with textile ecofriendly fabrics**

Man-made textiles in India,Vol 12 page 406-410, 0.12 (December 2023)  
M.Malini Devi , M.Sumithra

**12. Analysis on herbal textiles using medicinal herb extracts and standard testing methods for herbal finished textiles.**

Man-made textiles in indiasci vol 8 page 267-273 (December 2023)  
V. S. Karpagavalli1 , M. Sumithra2

**11. Utilization of temple waste flower dyed with cotton fabric.**

Man-made textiles in india, vol 9 page 295-298 (September 2023)  
M. Sumithra and Devadharshini

**10. Development Of Biodegradabl e eco-friendly herbal coated sanitary napkin-SCI**

Man-MadeTextiles In IndiaJanuary 2023, vol 1 page 7-10 (January 2023)  
M.Sumithra



## 9. A study on dyeing dahlia pinnata and rosa flowers on cotton yam for crocheting-SCI

Man-Made Textiles In India November 2022, vol 11 - page 367-359 (November 2022)  
M.Sumithra and M.Agnes Monisha

## 8. Identification of new natural fibre from chamaecostus cuspidatus

Tekstilna Industrija 2021 (January 2021)  
Dr.M.Sumithra

## 7. Comparative study on tithonia diversifolia dyed and Fragrance Finished with Rosa Damascene on Cotton

### And Bamboo Fabric-SCI

Man-Made Textiles In India February 2020 (February 2020)  
Dr.M.Sumithra

## 6. Decoction of new natural fiber from etlingera elatior-SCI

Man-Made Textiles In India November 2019 (November 2019)  
Dr.M.Sumithra

## 5. Ftir and sem analysis made on nano encapsulated cotton denim fabric

Shanlax International Journal Of Arts, Science And Humanities (December 2016)  
Dr.M.Sumithra

## 4. Mosquito Repellent Finish on Dyed Bamboo Fabric using Thyme Oil

Man-Made Textiles In India (September 2014)  
Dr.M.Sumithra

## 3. Micro-encapsulation and nano-encapsulation of denim fabrics with herbal extracts.

Indian Journal Of Fiber And Textile Research Journal (December 2012)  
Dr.M.Sumithra

## 2. Nano encapsulation finishes on denim fabric

Man-Made Textiles In India, (April 2012)  
Dr.M.Sumithra

## 1. Investigation of multifunctional properties for the herbal finished denim variants

Man-Made Textiles in India (December 2011)  
Dr.M.Sumithra

## Projects

### Completed - 2

1. Utility refitting on sanitary napkin using remedial emission RUSA 2.0 - BEICH 8,00,000 (December 2019 - September 2024)
2. Surface Enrichment and Accessory Making RUSA 2.0 - BEICH 75,000 (April 2021 - August 2023)

### Ongoing - 2

1. Designing of radiation protective clothing
2. A qualitative approach for osseointegration assessment base on micro wave antenna fabricated on conductive wearable textile as a sensing analyzer  
RUSA 2.0 - BEICH 19,38,000 (December 2020 - September 2025)  
TANSCH 31,77,250 (April 2021 - September 2025)