



**C.PREMALATHA, ASSOCIATE PROFESSOR, TEXTILE TECHNOLOGY**

**Name** : C.PREMALATHA

**Designation** : Associate Professor

**Department** : Textile Technology

**Joining Date** : 01.07.2021

**Qualification** : B.Tech., M.Tech., (Ph.D.)  
B.Tech (Textile Chemistry)  
SSM College of Engineering, Komarapalayam  
M.Tech., (Textile Chemistry),  
SSM College of Engineering, Komarapalayam.

**Nature of Association** : Regular  
**(Regular/Contractual/Adjacent)**

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## ACADEMIC PROFILE

Degree	Institution/University	Specialization	% of Marks / Class obtained	Year of completion
Ph.D.	Pursuing - Anna University Chennai	Investigation on Natural Substance for insect repellency and value addition of textile materials.	-	-
M.Tech.	SSM College of Engineering. Anna University	Textile Technology (with specialization in Textile Chemistry)	9.4 CGPA	2010
B.Tech.	Periyar University	Textile chemistry	84%	2002
HSC	JKK Rangammal Matriculation and Higher Secondary School, Komarapalayam.	Board of Higher Secondary Education	90%	1998
SSLC	JKK Rangammal Matriculation and Higher Secondary School, Komarapalayam	Matriculation Board	85 %	1996

## PROFESIONAL EXPERIENCE:

Name of the College	Designation	Joining Date	Relieving Date	Total Experience		
				Years	Months	Days
SSM College of Engineering	Lecturer	02.01.2003	30.06.2008	5	5	30
SSM College of Engineering	Assistant Professor	01.06.2010	30.06.2015	5	0	30
SSM College of Engineering	Associate Professor	01.07.2015	30.06.2021	5	11	0

## Seminars, workshops, conferences attended, paper presented and Publications:

- Attended seminar on “Application of Nanotechnology and advanced Biotechnology in Textile Effluent treatment for waste water reuse in textile industry” conducted by KSR college of Technology.
- Participated in the International Conference on women entrepreneurship empower visionary entrepreneurs – EVE 2014 conducted by SSMCE.

- Participated in the International Conference on Trends, Innovation and market Potential in Technical Textiles TMTT-2015 conducted by BIT.
- Participated in two week faculty development Programme on Technical Textiles and Garments sponsored by AICTE at BIT.
- Participated in two day ISTE Workshop on Aakash for Education conducted by IIT Bombay at SSMCE.
- Presented a paper on the title "Development of Bio polishing Treatment and its effect on woven Fabrics" in the international conference on "Textile, Apparel and Fashion" at Mother Teresa University.
- Presented a paper on the title "Development of Bio polishing Treatment and its effect on knitted Fabrics" in the international conference on Eco Textiles: A step towards sustainability at Bharathiyar University.
- Presented a paper on the title "Application of Nano Silver Particles on Textile Materials" in national conference on Nano technology NCN-10 at SSMCE.
- Presented a paper on the title "Development of Antishrink cotton fabrics in textile industry" in the national conference on textile fashion and home textiles at SMS College of arts and science.
- Presented a paper on the title "Comprehensive study on Phase Changing Materials for improvement of thermal regulations in fabric" in the International Conference at SSMCE.
- Participated in the Staff Development Programme on "Cross Roads to Excel" at SSMCE.
- Participated in two week faculty development Programme on Technical Textiles sponsored by AICTE at PSGTECH.
- Attended two week AICTE sponsored FDP on "Application of Industrial Engineering concepts in Apparel and Textile Industry to Improve Productivity and quality of Apparels" at KCT.
- Attended one week NITTR sponsored Refresher course on "Textile and Garment Technology" at SSMPC.
- Participated in "INTERNATIONALWEBINAR ON MATERIAL CHARACTERISATION" organised by WOLLO University.

- Participated in AICTE-ISTE sponsored six day's induction/refresher programme on "Advanced Ecological Techniques in Textile Chemical Processing for Sustainable Development" at KSRCT.
- Published a paper on the title "Development of Mosquito repellent finished fabric by using natural herbal extraction of Vitex Negundo plants" in IJRESM journal.
- Published a paper on the title "Development of Mosquito repellent finished fabric by using natural herbal extraction of Justicia Adhatoda vasica extract by microencapsulation" in IJRESM journal.

#### DETAILS OF MEMBERSHIP IN PROFESSIONAL SOCIETIES

- Life member of the Textile Association of India-TAI
- Life member of ISTE
- Honorary Secretary of TAI-Erode Unit.

#### COMPUTER LITERACY:

- **Tree Point Q-Tex (Swiss made)** : Quality Control & Dyeing Management software
- **Tree Point Prisma (Swiss made)** : Colour Matching Software
- **Nova scan (Datacolour, USA)** : Colour Matching Software
- **Color Focus-2 (Daelim Starlet, Korea)** : Auto Dyes Dispensing System

#### TRAINING EXPERIENCE:

- Project Work in SCM Textile Processing Mills, Erode.
- Fifteen days training in BTRA, Mumbai for **Eco-Testing**

#### ARTICLE PUBLISHED:

- Article published in Fibre2Fashion.com in the title „Application of Beta Cyclodextrin in silk“
- Reuse of Effluent Treated Water for Wet Processing – Printing, TRANS Asian Journal of Multidimensional Research (AJMR), 18-21, 2019

#### PAPER PRESENTATION

- Paper presented in the title „Fire Retardant Jute Fabric' in National level Technical Seminar held in Institute of Jute Technology, Kolkatta on May 2010.
- Paper presented in the title „Application of functional chemical finishes on jute based technical textiles“ in National level Technical Seminar jointly organized by National Jute Board and Coir board held in Allepey, Kerala on September 2011.

- Paper Presented in the title „Characterization of Medical textile Products“ in International level Technical Seminar held in KSR Institute of Technology, Tiruchengode on January 2013.
- Paper Presented in the title „A Review on Eco-Friendly Textiles“ in National level Conference held in Nandha Arts & Science College, Perundurai on February 2017.
- Paper Presented in the title „Market Potential and Challenges in Apparel Industry“ in National Level Conference held in Dr.NGP Arts & Science College, Coimbatore on February 2017.

### **SEMINARS/CONFERENCE**

- Attended the workshop on “Effluent Treatment and Water Management in Textile Mills” held conducted by NCUTE & IIT Delhi in Bannari Amman Institute of technology, Sathyamangalam.
- Attended the seminar on “Current trends & Future challenges in the treatment of Effluents from Textile Industry” held at Kumaraguru college of technology, Coimbatore.
- Attended the International Conference on “Advances in Textiles, Machinery, Non-woven and Technical textiles by TEXAS University, USA held in Kumaraguru College of technology, Coimbatore.

### **WORKING EXPERIENCE:**

S. No	Name of the Organisation	Designation	Period of Service	
			From	To
1	The South India Textile Research Association & PLSC, Coimbatore	Junioir Scientific Officer / Officer Incharge	19.06.2009	30.11.2018
2	Lakshman Ganesan Processing Pvt Ltd, Tirupur	Production & Quality Assurance Incharge	11.11.2005	31.07.2007
3	Janson Textile Processing, Tiruchengode	Asst Lab Incharge (Dyeing & Quality)	05.11.2004	04.11.2005
4	Stallion Garments Textile Dyeing & Printing Division, Tirupur	Production Supervisor	02.06.2003	30.10.2004

### **RESEARCH PROJECTS :**

- A new technology for treating the Textile Effluents „sponsored by Department of Science & technology, New Delhi.
- Application of functional chemical finishes on jute based technical textiles“ sponsored by National Jute Board, Kolkatta
- Fire Retardant Jute/Twaron Fabric“ Joint research work with IJT, Kokatta.

## **CONSULTANCY:**

Consultancy work on Process and Product Development, Water Management, Effluent Treatment, Quality Control, etc.. A few companies were listed below

- Minerva Mills, Bangalore
- Anglo French, Pondicherry
- SSM Mills, Hindupur
- BHEL, Kolkatta
- Meenatchi Mills, Madurai
- SSM Yarn Dyeing, Vatlagundu
- Divyar Process, Tirupur
- Jayavishnu Process, Tirupur
- Imperial Process, Erode

## **SPECIALISATION:**

- Experienced in providing Technical Training services, Testing activity, water management study and project management.
- Ability to use engineering principles to solve complex, practical problems.
- Ability to set up and support strong alliances; lead and motivate teams;
- Drive projects to successful completion; convey complex technical requirements/data; accede customer expectations and meet fiscal bottom-line results.
- **Conducting Training Programmes:** Skill & Motivation programmes from floor level to High level employees
- Knowledge on **NABL** Accreditation
- Knowledge on Central Government schemes for Powerloom Sector Development