

Name : **Dr.J Hayavadana**

Designation : Professor

Department : Dept. of Textile Technology

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Area of Interest :Fibre assemblies, Polyester Weight Reduction, Blends Hydrolysis etc.,



## Educational Qualifications:

S.NO	Degree	University/Institution	Year of Passing	Division	Specialization
1.	B.Tech	Bangalore University	1985	First	Textile Technology
2.	M.Tech	Bharathiyar University	1992	First	Textile Technology
3.	Ph.D.	Anna University	1998	--	Textile Technology

## Work Experience: 33Years

### Teaching Experience:

Period	Years	Designation	Organization
August,1986 to June,1992	6 years	Lecturer	M/s Bapuji Institute of Engg.&Tech., Davanagere
March, 1994 to August, 1994	6 months	Lecturer	M/s Sasmira, Mumbai
September, 1996 till date	-----	Associate professor	University College of Technology

### **Industrial Experience:**

Name of the Organization	Designation	Period	Duration
Davanagere Cotton Mills.	Production In charge	August 1985 to August 1992	7 Years

### **Books Published:**

Sl No.	Title	Publisher	Year
1.	Statistical Methods for Textile & Apparel Management	Woodhead . Manchester	2011
2.	Fabric Structure & Design	SciTech , New Delhi	2013
3.	Woven fabric structure design and product planning	Woodhead . Manchester	July 2014

### **Papers Published in International/National Journals: 73**

1. Study of washing on Fabric mechanical properties – ITJ, J.Hayavadana, Dr.Mary Jacob, T.Anitha, Vol.CX No.8, May, 2000.
2. ‘Draw Texturing Effects’ – Dr.J.Hayavadana, Dr.V.Subrahmaniyam – Textile Asia, Vol.XXXII, No.9, September, 2001.
3. Effect of Fabric crimp ratios on mechanical properties – ITJ Sept.1998.
4. ‘Effect of Copper sulphate on H<sub>2</sub>O<sub>2</sub>, Bleaching with Hydrolysis on P/C Fabric Mechanical Properties’ – Dr.J.Hayavadana, K.Samatha – Man made Textile in India, Vol.XLV, No.1, Jan.2002.
5. ‘Latest Advancements in Shuttleless weaving’ – Dr.J.Hayavadana, Textile Ind. Trade Journal, Vol.40. No.1-2, Jan-Feb.2002.
6. ‘Non-Apparel applications of weft knitted fabrics’ – Dr.J.Hayavadana, et.al., Ind.Text.Journal, Vol.CXII, No.9, June, 2002.
7. ‘Image Processing – Gate way to fabric defect detection’ – Dr.J.Hayavadana, Textile Ind.&Trade Jr., Vol.40, No.5-6, May-June, 2002.

8. 'Study of alkaline oxidized polyester/cotton dress materials' – Dr.J.Hayavadana, Man-made Textile in India, July, 2002.
9. 'Alkaline hydrolysis of 100% PET Dress Material – Effect of Bath Ratio' – Dr.J.Hayavadana & Dr.S.S.Ramtal, Man made textiles in Inida, September, 2002.
10. 'Size Receipe – The Secrete of Sizing' – Dr.J.Hayavadana, Textile Ind. & Trade Jr. Vol.141, No.1-2, Jan.-Feb.2003.
11. 'Tissue Engineering – A New Era in Textiles' - Dr.J.Hayavadana & D.Renuka, Asian Textile Journal, Sept.2003.
12. 'Handle of Alkaline Oxidised P/C dress materials' - Dr.J.Hayavadana & Dr.P.P.Raichurkar, Textile Asia, Vol.XXXIV, No.9, Sept.2003.
13. 'Caustization of PET Union Fabric' – Dr.J.Hayavadana and Dr.S.S.Ramtal – Man made Text. In India, Feb.2003.
14. 'Effect of Different drafts on mechanical properties of 100% PET fabrics as investigated through weight reduction process' – Dr.J.Hayavadana, Narendra Babu., Man made text. in India, July, 2003.
15. 'Diversified product of PALF' – Dr.J.Hayavadana , Dr. Mary Jacob, Man Made Textile in India, Aug.2003.
16. 'Tissue Engineering – A New Era in Textiles' - Dr.J.Hayavadana & D.Renuka, Asian Textile Journal, Sept.2003.
17. "Study of Effect of Weave on Fabric Properties through Alkaline Hydrolysis",Dr.J.Hayavadana, Dr.S.S.Ramtal, Man-made Textiles in India, Vol.XLVII No.2, February, 2004.
18. 'Silicon's in Textiles', Dr.J.Hayavadana, H.L.Vijayakumar Man-made Textiles in India, Vol.XLVII No.6, June, 2004.
19. 'Potential of Intelligent Textiles in Bio-Medical Field' - Dr.J.Hayavadana, H.L.Vijayakumar et.al. Asian Textile Journal, Vol.13, No.2, February-2004.
20. 'How washing and finishing control fabric handle', Dr.J.Hayavadana, H.L.Vijayakumar Man made textiles in India, Col.XLVII No.11, November, 2004.
21. 'Potential of dyeing of 100% Cotton and P/C blends with disperse dye: Dr.J.Hayavadana, H.L.Vijayakumar Manmade Textiles in India, Col.XLVIII No.3, March, 2005.
22. 'Structural Mechanics of Textile Composites' – Dr.J.Hayavadana, Manmade Textiles in India, Col.XLVIII No.4, April-2005.
23. 'A New Spinning Technology – Dr.J.Hayavadana,Rajan Nagendra, Ravikanth.V, Air Vortex Spinning Utopia or Reality' Manmade Textiles in India, Col.XLVIII No.8, August, 2005.
24. Dyeing with disperse Dyes', Dr.J.Hayavadana, Asian Textile Journal, Volume No.14, No.5, May-2005.

25. 'Nano Composites in Textiles' Dr.J.Hayavadana Asian Textile Journal, Vol.14, No.8, August, 2005.
26. 'Tissue Engineering in Textiles' Dr.J.Hayavadana Indian Textile Journal, Vol.CXVI No.4, January, 2006.
27. 'Study of fabric bending behaviour by applying Knopasek's Cubic Spline interpolation method', Dr.J.Hayavadana ,Dr.S.S.Ramtal Man made Textiles in India, Vol.XLIX, No.5, May, 2006.
28. 'F R P Wonder material for Technical Textiles', Dr.J.Hayavadana ,Anil Kumar Indian Textile Journal, Vol.CXVI No.11, August, 2006.
29. 'Orthopedical applications of Textile Composites', Dr.J.Hayavadana ,Anil kumar Vol.15, No.9, September, 2006, Asian Textile Journal
30. 'Potential of Non woven, wovens and knits in the world of Transportation', Dr.J.Hayavadana & K.H.Prabhu, Mamta Bhakuni, Man made Textiles in India, Nov.2006.
31. 'Comparative Study of single and two bath methods of dyeing of P/V' – K..Vijay kumar, A.Kavitha, Dr.J.Hayavadana, Vol.XLVIII, No.12, Man made textiles in India, December, 2006.
32. Basalt Fibre with New Horizon in Technical Textiles – Dr.J.Hayavadana ,Anil Kumar Asian Textile Journal, March, 2007.
33. 'Studies on the Dewighted polyester/cotton weft knit fabrics' – V.S.Kulkarni, D.Sheshachala, Dr.J.Hayavadana, Vol.L, No.3, February, 2007, Man Made Textiles in India.
34. Mobile Tech. – Non Wovens Vs Wovens and knits – J.Hayavadana Indian Textile Journal, Vol.CXVII No.6, March, 2007
35. "Study of effect of Pick density and Primary treatment conditions on mechanical properties of 100 % PET fabric as understood through Alkaline hydrolysis Part I", J.Hayavadana et al., Vol.LII, No.2, Feb. 2009
36. "Study of effect of Pick density and Primary treatment conditions on mechanical properties of 100 % PET fabric as understood through Alkaline hydrolysis Part II", J.Hayavadana et al., Man Made Textile in India Vol.LII, No.3, March. 2009
37. " Bio polishing of Polyester dress materials" C.Bhoomika, S.V.Lalith Bhargava, Dr. J.Hayavadana, R.Srinivasa Rao, Man made Textiles in India, VolLII, No.9, Sept.2009
38. "Accoustical Textiles Part I" Dr.j.Hayavadana et al., Vol. 3, No. 2, Asian Technical Textiles, April- June, 2009
39. ."Accoustical Textiles Part II" Dr.j.Hayavadana et al., Vol. 3, No. 3, Asian Technical Textiles, July-Oct, 2009
40. Suture the Textile the heart of surgery, Textile Excellence, March, 2009
41. Surgical drapes ,Textile Excellence ,june,2009

## **PAPERS PRESENTED IN NATIONAL /INTERNATIONAL CONFERENCES :**

### **(A) Paper Presentations**

1. For project titled “Development of modified sow box on single end sizing concept and modified drying arrangement for sectional warping creel” was adjudged as best student project and as best Guide by KSCST SPP – 1990.
2. Paper titled “Potential of alkaline hydrolysis to investigate the structural effects of PET texturiser (Crimp) yarn was presented in POLY CONDENSATION – 96 held at Paris during Sept. 1996.
3. Paper titled ‘Study of DTY process parameters through alkaline Hydrolysis’ was presented at the International conference on Poly condensation – 97 held at Chennai in Feb 1998
4. Paper entitled ‘Application of Multivariate analysis data to Fabric data’ at the International conference held in Mumbai Dec, 1999, with theme on cotton in the developed countries.
5. Presented a paper entitled ‘weight reduction of polyester Fabrics’ at 8<sup>th</sup> all India Seminar held at BIET, Devanagere (Karnataka) India in Jan, 2000.
6. Presented a Paper on “ Artificial Neural Network Based Clustering Technique to Textile data” at the 10<sup>th</sup> Cotton conference held at CIRCOT,MUMBAI, 2000
7. Presented a paper on ‘Sizing Ingredients properties and paste preparation’ at NCUTE extension programme on ‘shuttlelooms-I’ held at BIET, Devanagere (Karnataka), India in Sept. 2000.
8. Presented a paper at Power loom Weavers meet, 2002 at Gachi Bowli, Organised by German Development Services, Hyderabad.
9. Presented a paper titled ‘Surface Modification of Polyester a tool for improving fabric feel’ at the 59<sup>th</sup> All India Textile Conference held at S.S.M.Institute of Engineering and Technology on 31<sup>st</sup> January, 2004.
10. Presented a paper titled ‘Fashion Marketing’ at the first international conference organized by the Sardar Vallabhai Patel Institute of Textile Management, Coimbatore, December-2004.

11. Presented a paper on 'Design and Development of Radial Tensile Tester' at the 1<sup>st</sup> international Conference on 'Advance in Textile Material Textile Management and Applications at Kumaraguru College of Technology, Coimbatore on 8<sup>th</sup> July, 2005.
12. Presented a paper on 'Basalt Fibre a True Industrial Textile' at the first International Conference on 'Advances in Fibrous Materials Non-woven and Technical Textiles' held at Hotel Jenny, Coimbatore, August 7-9<sup>th</sup>, 2006.
13. Presented a paper titled " Design and Development of Silk tie & Dye machine" at the International conference on "ATNT" held from 18<sup>th</sup> to 20 June,2007 at Kumaraguru College of Technology, Coimbatore.

#### **SEMINARS ATTENDED**

14. Attended a workshop on "Design of experiments' conducted by University College of Technology, 2001
15. Attended a Workshop on 'Instrumentation for textiles' conducted by A.C.College of Technology, Anna University, Chennai, July-2003
16. Attended a 2<sup>nd</sup> Indo-Czeck Textile Research Conference held at Kumaraguru college of Technology, Coimbatore, November-2003.
17. Attended a one day Workshop on " International Workshop on Marketing and Technology of Technical Textiles" Organised by Nonwovens Pvt. Ltd, Bangalore, India and Texas Tech University, Luback, USA ,held at Residency hotel , Coimbatore, on 3<sup>rd</sup> and 4 th July 2009

#### **SEMINARS CONDUCTED**

18. Organised a one day National Seminar on " Challenges for the Textile Industry beyond 2005" on December 2003 at University College of Technology, O.U, HYD-7
19. Conducted a one day National Seminar on " Modern Production Technologies" on March 22 nd,2005 at University College of Technology, O.U, HYD-7
20. Conducted a one day National seminar on " Strategies Garment Exports" on March 5<sup>th</sup>,2007 at University College of Technology, O.U, HYD-7.

#### **RESEARCH PAPAERS REVIEW FOR THE PERIOD (1993- till date )**

##### **INTERNATIONAL JOURNALS.**

1. TEXTILE RESEARCH JOURNAL Published from New York. Period of publication:monthly
2. JOURNAL OF INDUSTRIAL FABRICS ,Published from Carolina. Period of Publication: Quarterly
3. CARBOHYDRATES (Textile Section).

**Community Development Programs Conducted:**

Date	Title	Venue and Number of participants
29 <sup>th</sup> August, 2005	One day work shop on Computer Aided Textile Design for Tie and Dye weaving	Pochampalli Handloom weavers Association Society, Pochampalli attended by 120 weavers.
29 <sup>th</sup> April, 2006	One day workshop on Silk Dyeing by Acid dyes for Tie and Dyeing	Tie and Dye manufacturers Association, Pochampalli Participants – 130
22 <sup>nd</sup> July, 2006	One day workshop on Reactive Dyeing for Cotton Tie and Dyeing	Handloom weavers co-operative society Sirupuram, Ramannapet (M), Nalgonda (D) Participants – 180
3 <sup>rd</sup> September, 2006	One day Training for Line managers on 'Modern Textile Technologies'	M/s Priya darshini spinning mills, Sadasivapet, Medak Dist. Participants – 30
16 <sup>th</sup> September, 2006	One day Training for Line managers on 'AIRJET Spinning'	M/s Surya lakshmi cotton mills, Ammangal Mehaboobnagar Dist. Participants – 30
18 <sup>th</sup> September to 23 <sup>rd</sup> September, 2006	One week training on Dress-making	College of Technology, Participants – 20
5 <sup>th</sup> February, 2007	One day training for Master weavers on "Weaving-Technology of Fabric Production"	Government Degree College, Ramannapet Mandal, Nalgonda Dist. Participants – 60
5 TH September,2008	One day Training for master Weavers on " Computer Aided Textile Design"	Handloom Park, Pochampally, Nalgonda Dist.
18 th September,2008	One day Training for Master Weavers on " Testing of IKAT Textiles"	University College of Technology, Osmania University, Hdyerabad-7

S.No.	Position Held	Duration
1.	<b>Head, Department of Technology</b>	2013-2014
	<b>Chairmen Board of Studies, HMCT&amp;CA</b>	<b>20104-2015.</b>
2.	<b>Dean, Faculty of Pharmacy</b>	<b>Sept.2016</b>
3.	<b>Regional Coordinator for EAMCET</b>	2013,2014 and 2015
4.	<b>OU Placement Officer</b>	Sept.2016-Dec2016
5.	<b>Placement Officer</b>	2012-Till Date