

Resume'



Name : Dr. G. Nalankilli
M.Tech, Ph.D (IITD, India)

Present Designation & Address (from 22.10.2016 to till date) : Professor of Textile Chemistry
Textile Chemistry Research and Innovation Centre,
Ethiopian Institute of Textile & Fashion Technology
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Permanent Address : 44(W), 17th Street, VNR Nagar
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Native Place : Pattukkottai, Thanjavur Dt., Tamilnadu, India

Nationality/ Religion : Indian/ Hindu

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Gender, Date of Birth & Age : Male, 19.03.1965 & 52 Years

Passport No. & Validity : M7228426 & 19.03.2025

Marital status : Married No. of Children: 01

Educational Qualification

B.Tech : A.C.College of Technology.
(Textile Tech., Full Time) Anna University, Chennai. Tamilnadu, India
First Class, May,1986

M.Tech : A.C.College of Technology.
(Textile Tech., Full Time) Anna University, Chennai. Tamilnadu, India
First Class, Jan.,1989

Ph.D (Full Time) : Indian Institute of Technology Delhi (IITD)
New Delhi, India, Aug.,1995

Fellowship/ Scholarship Received

- Recipient of GATE Scholarship during M. Tech. (GATE Score 92.08 Percentile, All India 13th Rank)
- Recipient of CSIR Fellowship during Ph.D. at IIT Delhi

Sponsored Research Projects Obtained & Completed:

1. Thrust area project in Technical Education (TAPTEC) by AICTE for “*Utilisation of Unconventional Absorbents for Removal of Colour from Textile Processing Effluents*”, Rs. 6.5 Lakhs, 1 year, 2002 at SSM Institute of Technology, Komarapalayam, Tamilnadu, India.
2. Research Project Scheme (RPS) by AICTE for “*Atmospheric Plasma Finishing of Textile Materials*”, Rs. 12.75 Lakhs, 2 Years, 2009 at Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu. India
3. Dissemination of Innovative Technology (DIT) Scheme under Tamilnadu State Council for Science and Technology (TNSCST), “*Eco-friendly Dyeing and Printing of Cotton using Natural Dyes*”, Rs. 50,000/-, 2006, at RVS College of Engineering and Technology, Dindigul, Tamilnadu.India
4. Dissemination of Innovative Technology (DIT) Scheme under Tamilnadu State Council for Science and Technology (TNSCST), “*Surface Emblishment on Garments*”, Rs. 50,000/-, 2012, at Sri Raaja Raajan College of Engg. & Tech., Karaikudi, Tamilnadu, India

Professional Experience : Teaching : 23 years
Industry : 3.5 years
Research : 4 years

<i>Organisation</i>	<i>Designation & Period</i>
Nova College of Engineering & Technology, Jafferguda, Hyderabad, India	Principal 22.02.2016 to 15.09.2016 (9 m)
Sriram Engineering College, Perumalpattu, Chennai, India	Principal 01.06.2013 to 13.02.2016 (2 yrs, 9 m)
Sri Raaja Raajan College of Engg. & Tech. Karaikudi, Tamilnadu, India	Principal 17.06.2011 to 13.05.2013 (2 yrs)
PSN Institute of Technology & Science, Tirunelveli, Tamilnadu, India	Principal 10.05.2010 to 15.06.2011 (1 yr)
Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu, India	Professor & Head of the Department 24.07.2006 to 08.05.2010 (4 yrs)
RVS College of Engg. & Tech.. Dindigul, Tamilnadu, India	Professor 01.01.2004 to 23.06.2006 (2½ yrs)
SSM Institute of Technology, Komarapalayam, Tamilnadu, India	Professor & Head of the Department 05.12.1995 to 31.12.2003 (8 yrs) Instructor 18.08.1986 to 15.05.1987 (9 months)
Arun Processors Ltd, Bhavani. Erode-Dt., Tamilnadu, India	Assistant Manager - Quality Assurance 15.06.1994 to 30.09.1995 (1¼ yrs)
JK Synthetics Ltd., Kota, Rajasthan, India	Scientific Experimental Officer, 26.03.1992 to 04.01.1994 (2 yrs)

Ph D Supervision : 6 (Completed) & 1 (in progress)

1. *Polyfunctional Finishes in Cotton Textiles*, Research work for the award of Ph.D for Mr. A.Edwin Sunder (Reg, No.7083083102, Degree awarded in 2014, Anna University, Chennai)
2. *Studies on improving the light fastness of reactive dyed cotton materials*, Research work for the award of Ph.D for Mr. P.Thiagarajan (Reg, No. 7083083111, Degree awarded in 2014, Anna University, Chennai)
3. *Studies on Cyclodextrin treatment using Polycarboxylic acid for Diammonium phosphate Flame retardant finishing*, Research work for the award of Ph.D for Mr. V.Sivakkumar (Reg, No. 10930821018, Degree awarded in 2015, Anna University, Chennai)
4. *Effect of Moisture Management Finish on Comfort Characteristics of Microdenier Polyester Knitted Fabrics*, Research work for the award of Ph.D for Mr. M.B.Sampath (Reg, No. 7083083108, Degree awarded in 2013, Anna University, Chennai)
5. *A study of Yarn and Fabric properties of Tencel and Bamboo blends*, Research work for the award of Ph.D for Mr. G. Karthikeyan (Reg, No. 10900831006, Degree awarded in 2017, Anna University, Chennai)
6. *Dimensional Stability of Tencel Knitted and Woven Fabrics in Comparison with Cotton*, for Mr. K.A. Ramasamy (10900831010, Degree awarded in 2017, Anna University, Chennai)

No. of UG & PG Projects guided : 28

Responsibilities held at the colleges served

- Documentation committee incharge for preparation of Anna University Affiliation, AICTE Approval, Mandatory Disclosure, Compliance Report, NBA and NACC Accreditation Documents.
- Steering committee coordinator for NACC & Coordinator for Internal Quality Assurance Cell (IQAC).
- Officer Incharge/ Library Affairs, Chairman- Academic Council
- Convener/ Research Advisory Council.
- Member/ Examination Vigilance Committee, Member / Mock inspection committee for any inspection,
- College level ISO Coordinator, Management Representative (MR) for ISO

SDPs Organised

1. AICTE Sponsored Staff Development Programme on Induction Training Programme in Textile Technology, Rs. 1.75 Lakhs, 23April-3May2003 at SSM Institute of Technology, Komarapalayam.Tamilnadu, India.
2. AICTE Sponsored Staff Development Programme on Chemical Processing of Textile Materials, Rs. 1.81 Lakhs, 21 June-4 July 2007 at Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu, India
3. AICTE Sponsored Staff Development Programme on Structure and Properties of Textile Fibres, Rs. 1.64 Lakhs, 06-18 July 2009 at Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu, India

Seminars/ Conferences Organised

1. Pollution Control Methods for Textile Wet Processing Industry, National Seminar Sponsored by AICTE, Rs. 1.25 Lakhs, SSMIT, Komarapalayam, 24-25 Feb. 2003, Tamilnadu. India
2. Applications of Enzymes in Textile Wet Processing, National Seminar Sponsored by AICTE, Rs. 1.25 Lakhs, SSMIT, Komarapalayam, 27-28 Feb. 2004, Tamilnadu. India
3. International Conference on Advances in Textiles, Machinery, Nonwovens and Technical Textiles (ATNT) during 07-09 December 2009 at Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu in collaboration with Texas Tech University, USA, in India
4. Plasma Processing of Textile Materials, National Seminar Sponsored by AICTE, Rs. 1.59 Lakhs, Bannari Amman Institute of Technology, Sathyamangalam, 22-23 April. 2010, Tamilnadu, India
5. 6th International conference on 'Cotton, Textile and Apparel Value Chain in Africa' (CTA 2017) held during 2-3 June, 2017 at Ethiopian Institute of Textile and Fashion Technology (EiTEX), Bahir Dar University, Ethiopia, as Publication & Documentation committee coordinator and Organising Committee member (ISBN 978-99944-939-0-6)

Membership in Academic Bodies/Academic Council/ Board of Studies

- Life Member in ISTE, Textile Association (India), Society of Dyers and Colourists (UK), Institution of Engineers (India)
- Associate Editor-Indian Journal of Science, Engineering, and Technology during 2009-10., Associate Editor –Asian Journal of Engineering and Applied Technology, Editorial Board Member – International Journal of Modern Science and Technology, Associate Editor – International Journal of Industrial Engineering
- Recognized Guide for Ph.D under Anna University, Chennai(Ref.No.05.165.05 Dt.28.11.2006), Coimbatore(Ref.No.808006 Dt.24.01.2008), Madurai (AUTMDU/TT/002 Dt.10.08.2011) & Tirunelveli (TE11002)
- Reviewer for Journals : International Journal of Biological Macromolecules, Journal of Industrial Textiles, Textile Research Journal, Journal of Applied Polymer Science, Journal of Hazardous Materials, Fibers and Polymers, Starch, Journal of Engineered Fibers and Fabrics, Natural Products and Resources
- Doctoral Committee Member for 8 students of Ph.D guided by others.
- Board of Studies member for Bannari Amman Institute of Technology, Sathyamangalam, TN, Anna University, Coimbatore, Avinashilingam University, Coimbatore, Kumaraguru College of Technology, Coimbatore, KSR College Technology, Tiruchengode, PSG College Technology, Coimbatore, Directorate of Technical Education, Chennai, for Diploma Programmes

Books Authored

1. Dr. G. Nalankilli and S. Jeyaprakasam, *Textile Finishing*, Digital Impressions Publishers, Komarapalayam, 1997, Tamilnadu, India
2. Dr. G. Nalankilli and A. Edwin Sundar, *Chemical Preparatory Processes for Textiles*, NCUTE, Ministry of Textiles, Govt. of India, New Delhi, 2003, India.
3. S. Jeyaprakasam, Dr. G. Nalankilli and R. Muthusamy, *Handbook for Textile Technicians*, SSM Publishers, Komarapalayam, 1999, Tamilnadu, India
4. Edited the 53rd All India Textile Conference of Textile Association (India), *Managing Quality for Growth in Textiles*, 19-21 December 1997, Komarapalayam, Tamilnadu, India

Details of publication in Journals and Conferences

Journal Publications

International Refereed: 28 (No. 1-28) National Refereed: 11 (No. 29-39) National Non-Refereed: 70 (No. 40-109)

1. Sublimation Transfer printing of Silk, *Journal of Society of Dyers and Colourists*, Vol. 107, No. 10 (Oct), pp. 370 - 372, 1991 (UK).
2. Concurrent Sublimation Transfer printing and Finishing of Silk, *Textile Research Journal*, Vol. 61, No. 8 (Aug), pp. 461 - 465, 1991 (USA).
3. Fixation of Reactive Prints on Silk by different methods, *American Dyestuff Reporter*, Vol. 81, No. 9 (Sep), pp. 50 - 55, 1991 (USA).
4. Fixation of Reactive Prints on Silk by Sodium Silicate Pad - Batch Technique, *Melliand Textilber*, Vol. 72, No. 10 (Oct), pp. 857 - 860, E 349 - 351, 1991 (Germany).
5. Silk Dyeing Reactions: Dyeing of Silk with Ramazol Golden Yellow G (C.I. Reactive Yellow 17) Reaction Mechanism, *Textile Asia*, No. 2 (Feb), pp. 55 - 59, 1994 (Hong Kong).
6. Biopolishing of Cotton Fabrics with total Cellulases of *Trichoderma reesei* and Optimisation using Taguchi Methods, *Journal of Applied Polymer Science*, Vol. 112, pp. 3402 – 3409, 2009 (USA).
7. Nanosilver Finishing of Composite Materials for Electromagnetic Shielding Effectiveness(EMSE), *Journal of Reinforced Plastics and Composites*, Vol.29, No.18, pp. 2753-2770. 2010 (USA)
8. Copper, Stainless Steel, Glass core yarn, and ply yarn Woven fabric Composite Materials properties *Journal of Reinforced Plastics and Composites*, Vol.29. No. 20, pp.3074-3082,2010 (USA)
9. Textile Composite Materials for EMC, *Journal of Reinforced Plastics and Composites*, Vol.29, No.19, pp.2992-3005, 2010 (USA)
10. Effect of Filament Fineness on Comfort characteristics of Moisture management finished Polyester knitted fabrics, *Journal of Industrial Textiles*, Vol.40, No.5, pp 160-173,2011 (USA)
11. Analysis of thermal Comfort characteristics of Moisture management finished Knitted fabrics made from different yarns, *Journal of Industrial Textiles*, Vol.40, No.7, pp19-33Oct.,2011 (USA)
12. Study on properties of cotton fabric incorporated with Diammonium phosphate flame retardant through Cyclodextrin and 1,2,3,4-Butane Tetracarboxylic acid binding system, *Journal of Industrial Textiles*, Vol.40, No.7, Oct.,2014 (USA)
13. Abrasion Resistance of Ring and Rotor spun yarns in relation to their coefficient of friction, *Textile Research Journal*, Vol. 57, No. 6, pp. 369 - 370, 1987 (USA).
14. Bending Measurements of Ring and Rotor spun yams, *Journal of Textile Institute*, Vol. 79, No. 4 (April), pp. 684 - 685, 1988 (UK).
15. Croslinking of Chitosan with Cotton using Polycarboxylic Acids, *International Journal of Engineering Research & Technology*, Vol. 3, No. 4 pp. 1769-1774, 2014.
16. Effect of Reactive dyes structure on Light fastness', *International Journal of Engineering Research and Technology*, Vol.3, No. 2, pp. 1593- 1596, 2014.
17. Effect of combined application of Ultraviolet absorber and antioxidant on light fastness of reactive dyed cotton fabric', *Science International (Lahore)*, Vol.26, No.1, pp. 253-258, 2014.
18. Protective Finishes on Cotton Textiles using Chitosan, *Science International (Lahore)*, Vol.26, No.2, pp 709-715, 2014.

19. Cyclodextrin treatment to Improve the Functional Property of P/C Blended material, *International Journal of Engineering Research & Technology*, Vol. 3, No.4, pp. 1062-1066, 2014
20. Study on physical properties of Butane Tetra Carboxylic acid (BTCA) & Beta Cyclodextrin (CD) treated Lyocell Fabric, *International Journal of Engineering Research & Technology*, Vol. 3, No.3, pp. 2126-2130, 2014
21. Study on Cyclodextrin Treated Polyester Material, *International Journal of Latest Research in Science and Technology*, Vol. 3, No.2: pp128-131 , March-April, 2014
22. Thermal comfort properties of Bamboo Tencel knitted fabrics. *International Journal of Clothing Science and Technology*, Vol.28, No.4, pp 420-428, 2016 (UK)
23. Moisture Management Properties of Bamboo Tencel Single Jersey Knitted Fabrics, *Journal of Natural fiber*, Vol.14, No.1,pp143-152,2017 (UK)
24. Smart, Waterproof, Breathable Sportswear – A Review, *International Journal of Scientific Research in Science, Engineering and Technology*, July-August-2017, Vol.3, No.5, pp591-600, 2017
25. Methods of Assessing the Performance Characteristics of Sportswear, *International Journal of Modern Science and Technology*, Vol. 2, No. 8, pp 284-287, 2017 .
26. Antimicrobial Finishing of Cotton with Extracts of Solanum Incanum Fruit, *International Research Journal of Engineering and Technology*, Vol.4, No. 8, pp 2204-2210, 2017.
27. Nanofinishing of Textiles for Sportswear, *International Journal for Scientific Research & Development*, Vol. 5, No. 07, pp32-36, 2017
28. Anionic Dyeability of Polyester Fabric by Chemical Surface Modification, *International Journal of Modern Trends in Engineering and Science*, Vol.4, No.9, pp3-14, 2017.
29. Efficacy of solvent, alkali, and Pectinase on removal of Non-cellulosics from Cotton, *Indian Journal of Fibre and Textile Research*, Vol. 33, No. 4, pp. 438 - 442, 2008.
30. Observations on the Estimation of Amino Groups in Silk using Ninhydrin reaction, *Indian Journal of Fibre and Textile Research*, Vol.18, No. 3 (Sep.), pp. 129 - 134, 1992.
31. Fixation Mechanism of Reactive Prints on Silk by Sodium Silicate Pad-Batch Technique -Reaction Mechanism Conditions, *Indian Journal of Fibre and Textile Research*, Vol. 18, No. 4 (Dec), pp. 197 - 201, 1993.
32. Effect of Plasma Treatment on Polypropylene Nonwoven Fabrics, *Indian Journal of Science, Engineering, and Technology*, Vol. 2, No. 2, pp. 70 - 80, 2008.
33. Optimization of multi-enzyme Scouring processes using Taguchi Method, *Indian Journal of Fibre and Textile Research*, Vol. 35, No. 2 (June), pp. 164- 171, 2010.
34. Electromagnetic Shielding tester for Conductive Textile Materials, *Indian Journal of Fibre and Textile Research*, Vol. 35, No. 4 (Dec.), pp. 361- 365, 2010.
35. Optimisation of Thermophile *Bacillus licheniformis* -amylase Desizing of Cotton fabrics, *Indian Journal of Fibre and Textile Research*, Vol. 36, No. 3 (Sep.), pp. 253-258, 2011.
36. Polyfunctional finishes on Cotton Textiles, *Indian Journal of Fibre and Textile Research*, Vol.37, No.4, (Dec.), pp.364-371, 2012
37. Improving light fastness of Reactive dyed Cotton fabric with Antioxidant and UV absorbers, *Indian Journal of Fibre and Textile Research*, Vol.38, No.2, (June.), pp.161-164, 2013
38. Properties of Cotton, Tencel and Cotton/Tencel blended ring- spun yarns, *Indian Journal of Fibre and Textile Research*, Vol.39, No.3, (Sep.), pp.322-325, 2014
39. Multifunctional finishes on cotton textiles using combination of Chitosan and Polycarboxylic acids, *Indian Journal of Fibre and Textile Research*, Vol.39, No.4, (Dec.), pp.418-424, 2014
40. Micro denier Fibres, *Textile Trends*, Vol. 31, No. 11 (Nov.), pp. 61 - 63, 1988.
41. Bilateral Structure of Some of the Natural Fibres and its influence in Chemical processing, *Colourage*, Vo1. 36, No. 12 (June), pp. 15 - 18, 1989.
42. Non-Linear Cams for Weft Knitting Machines, *Journal of Institution of Engineers*, Tx.Vo1. 70, No. 6 (June), pp. 10 - 12, 1989.
43. Casutisization of Polyester, *Synthetic Fibres*, Vo1. 19, No. 1 (Jan), pp. 15 - 17, 1990.

44. Concurrent Dyeing and Resin Finishing, *The Indian Textile Journal*, Vol.102, No.8 (Aug), pp132-135, 1990.
45. Test methods to assess the effectiveness of Degumming of Silk, *Textile Trends*, Vo1.33, No. 9 (Sep), pp.29-31, 1990.
46. Printing of Silk with Reactive Dyes, *Colourage Annual*, Vol1. 37, pp. 53 - 59, 1990.
47. Quality Dyes: Quality Dyeing, *The Indian Textile Journal*, Vol. 8, No. 5 (May), pp. 44 - 48, 1991.
48. Dependence of the Quality Dyes in achieving Quality Dyeings, *New Cloth Market*, Vol.5, No.1 (Jan), pp.3 - 7,1991.
49. Like Dyes, Like Dyeings, *Sandoz Colour Chronicle*, April - June, pp. 1 - 6, 1991.
50. Swelling Agents for Silk, *The Indian Textile Journal*, Vol. 101, No. 9 (Sep), pp. 68 - 71, 1992.
51. Enzymatic Degumming of Silk, *The Indian Textile Journal*, Vol. C3, No. 12 (Dec), pp. 139 - 143, 1992.
52. Application of Enzymes in Textile Chemical Processing, *The Textile Industry and Trade Journal*, Vol. 30, No.1 (Jan), pp. 51 - 55, 1992.
53. Density Measurements of Fibre: Methods and Applications, *Man Made Textiles in India*, Vol. 35, No. 12 (Dec), pp. 139 - 143, 1992.
54. Methods of Measuring Density of Textile Fibres, *The Indian Textile Journal*, Vol.103 No. 2 (Feb), pp. 94 - 98, 1993.
55. Fixation Ratio and Dye-fibre Bond Stabilities of Reactive Dyes on Silk - An Overview, *Colourage*, Vol. 40, No. 14 (Jul), pp. 29 - 32,1993.
56. Modifications of Silk for Sublimation Transfer Printing, *Textile Dyer and Printer*, Vol.26, No.3 (Feb), pp.24-27, 1993.
57. Mechanism of Spinning of Silk Worms, *Man Made Textiles in India*, Vo1. 37, No. 1 (Jan), pp. 11 - 16, 1994.
58. Printing of Silk with Reactive Dyes, Gujtex Seminar, MANTRA, Surat, *Colourage*, 18-20 Feb., pp.47-52, 1994.
59. High Shrinkable Polyester - Part I, *Man Made Textiles in India*, Vol.39, No.6 (Jun),pp.204 - 207, 1996.
60. High Shrinkable Polyester - Part II, *Man Made Textiles in India*, Vol. 39, No. 7 (Jul), pp. 240 - 244, 1996.
61. Reaction Mechanism of Reactive Dyes with Silk, *Textile Dyer and Printer*, Vol. 39, No. 18, (Aug), pp. 15 - 19, 1996.
62. Polyester Compositions for the Production of Low Pilling Fibres - Part I, *Man Made Textiles in India*, Vo1. 39, No. 9 (Sep), pp. 323 - 328, 1996.
63. Polyester Compositions for the Production of Low Pilling Fibres - Part II, *Man Made Textiles in India*, Vol. 39, No.10 (Oct), pp. 353 - 359, 1996.
64. Application of Tannin in the Colouration of Textiles, *Textile Dyer and Printer*, Vol.30, No.3(Jan), pp.13-15, 1997.
65. Stripping of Dyes from Faulty Dyeings, *Colourage*, Vol. 44, No. 10 (Oct), pp. 33 - 39, 1997.
66. Gel Spinning - A Promising Technique for the Production of High Performance Fibres, *Man Made Textiles in India*, Vo1. 40, No. 6 (Jun), pp. 237 - 243, 1997
67. Improved Quality of Silk by Grafting, *Textile Dyer and Printer*, Vo1.30, No.22 (Oct), 22nd, pp.10- 14, 1997.
68. ETPs in the major Textile Processing Towns of Tamilnadu, *Colourage*, Special Issue, supplement to Dec., pp. 53 - 56, 1997.
69. Erode and Namakkal Districts in the Textile Map of India, *Tecoya Daily News Paper*, Vol. 28, No. 273, p. 6, Dec. 19th, 1997.
70. Textile Industries in Erode and Namakkal Districts, Special Issue of TexIndia Fair, *Colourage*, pp. 21 - 22, 6th - 8th Nov 1998.
71. Differentially Dyeable Nylon, *Man Made Textiles in India*, Vol. 1, No. 1, pp. 5 - 6, Jan. 1998.
72. Melt Flow Behaviour of Nylon and Polyester, *Man Made Textiles in India*, Vol. 41, No. 7, Jul 1998.
73. Application of Enzymes in Eco-friendly Wet Processing of Cotton, *Colourage*, Vol.45, No.10, pp 17-19, 1998.
74. New Trends in Technology of Sizing, *The Indian Textile Journal*, Vol.98, No.12,Dec. pp78-80, 1988
75. Aramid Fibres- An Overview, *Synthetic Fibres*, Jul - Sep, Vol. 17, No. 3, pp. 29 - 31, 1988.
76. Features in Computer Colour Matching Systems, Indian Institute of Handloom Technology, Salem, *Alumni Association Journal*, pp. 36 - 39, 2000.
77. Latest Developments in Processing of Textiles, *Journal of Textile Association*, Vol. 61, No. 4, pp. 155 - 258, Nov - Dec 2000.
78. Developments in Jet Dyeing Machines, TexIndia Fair Special, *Colourage*, 15-17 Sep., pp. 75-77, 2000.
79. Peroxidase Enzymes - the Peroxide Killer, *Colourage*, Tex India Fair Special, pp. 67 - 68, 2-4th Nov. 2001.

80. Enzyme based Eco-friendly Detergents, *Man Made Textiles in India*, Vol. 45, No. 1, pp. 9 - 10, 2002.
81. ISO 14000 - Environment Management System, *Textile Magazine*, Vol. 44, No. 1, pp. 22 - 24, 2002.
82. Bio-Scouring, *Asian Textile Journal*, Vol. 11, No. 1, pp. 53 - 55, Jan. 2002.
83. Bio-Bleaching, *Asian Textile Journal*, Vol. 11, No. 7, pp. 33 - 35, July 2002.
84. Yarns for Technical Textiles, Alumni Association Technical *Annual Souvenir, IIHT*, Salem, 2002.
85. Use of ultrasonic energy in Textiles, *Asian Textile Journal*, Vol.12, No.12, pp 83-84, 2003
86. Reverse Osmosis Technology for getting Reusable water from Textile processing Effluents, *Asian Textile Journal*, Vol. 12, No. 1, pp. 64 - 67, 2003.
87. An Effective method of Cleaning all Polymers from all parts used in Fibre industry, *Synthetic Fibres*, Jul - Sep, Vol. 31, No. 3, pp. 20 - 22, 2002.
88. Emerging Trends in Cutting Technology for Garment Houses, *Textile Industry and Trade Journal*, Vol. 42, No. 3, pp. 45 - 47, 2004.
89. Latest Drying Technologies and Machines, *Colourage Annual*, pp. 169 - 172, 2005.
90. Application of Neuro Computing in Textile wet Processing, *Asian Dyer*, Jan.-Feb., pp. 41 - 43, 2005.
91. Innovative method of recovering Caprolactum, *Man Made Textiles in India*, Vol. 45, No. 11, pp. 441 - 443, Nov. 2002.
92. Plasma Technology for Polyamide Textile Materials, *Man-made Textiles in India*, Vol. 50, No.1, pp. 10-14, Jan. 2007.
93. Plasma Finishing of Polyester Textiles, *Colourage Annual*, Vol. 54, No. 4, pp. 54 -57, 2007.
94. Plasma Technology for Fabric Preparation and Finishing, *Asian Dyer*, pp. 69 – 76, Aug. 2007.
95. Atmospheric Plasma induced Modifications on Natural fibres, *The Indian Textile Journal*, Vol.118, No. 8, pp. 29 - 35, 2008.
96. Atomic Force Microscopy - An unparallel Surface Characterization technique, *Asian Textile Journal*, Vol. 17, No. 8, pp. 56 - 60, 2008.
97. Enzyme Inactivation in Textile Processing, *Man Made Textiles in India*, Vol. 51, No. 2, pp. 44 - 48, 2008.
98. A Review on Light Fastness of Reactive & other Dyes on Cotton Material, *Colourage*, Vol.57, No.1, pp.47-54, 2010
99. Nano-Composite Materials for EMI, *Asian Textile Journal*, Vol.19, No.2, pp.42-49, 2010
100. A review of Light fastness of Reactive Dyes, *Asian Dyer*, Vol.7, No.6, pp 33-39, 2011
101. Polyfunctional finishes on cotton textiles using Chitosan', *Asian Dyer* – (accepted for publication).
102. Molecular cross linking of cotton textiles to impart multifunctional easy-care properties', *Asian Dyer*
103. Polyfunctional finishing options on cellulosic textiles using Polycarboxylic acids - A critical review' *Asian Dyer*
104. Improving the flame retardant finishing using citric acid and CD : Part-I, *Asian Dyer*, Vol.11, No.5, pp.51-56, 2015
105. Improving the flame retardant finishing using citric acid and CD : Part-II, *Asian Dyer*, Vol.11, No.6, pp.51-55, 2015
106. Emerging Textile Auxiliary –Cyclodextrin In Textile Chemical Processing- A Review, *Asian Dyer*
107. Effect of pretreatment on light fastness of fabrics, *Asian Dyer*, Vol.13, No.6, pp 45-50, 2017
108. Dimensional stability of cotton, cotton/tencel and tencel plain weft knitted fabrics-spirality and fibrillation, *Journal of the Textile Association*, Vol.77, No.2, pp99-104,2016
109. Study on properties of cotton fabric incorporated with diamonium phosphate flame retardant through cyclodextrin and citric acid binding system, *Journal of the Textile Association*, Vol.75, No.4, pp274-282, 2014

Papers Presented in Conferences/Seminar/Workshops (International: 12 National: 44)

1. Quality Parameters generally expected in Textiles meant for Exports, Weavex Seminar, Erode, Mar. 26 - 28, Book of Papers, pp. 35 - 38, 1999
2. Solutions to the Environmental Problems related to Textile Wet Processing, Silver Jubilee, Textile Processing Seminar, Tex Tech '99, Indian Dyes and Chemicals, Tirupur, 21Mar, Book of Papers, pp. 39 - 46, 1999
3. 2nd International Conference on Fly ash Disposal & Utilisation, 2-4 Feb. 2000, New Delhi, Utilisation of Fly ash for the Removal of colour from the Textile Dyeing effluents, proceedings Vol. 1, p. II 5, 32 - 35, 2000.
4. International Conference on Polymers and Textiles in the New Millennium - An Integral Approach, 15-16 Feb. 2002,

- New Delhi, High Shrinkable PET by Physical and Chemical Modifications in the Molecular level, proceedings, pp. 203 - 215, 2002.
5. 3rd International Conference on Fly ash Disposal & Utilisation, 19-20 Feb. 2000, New Delhi, Treatment of Textile Dye-house waste water by Fly ash, proceedings Vol. 1, p. III 5, 52-57, 2003.
 6. Non-Linear Cams for Weft Knitting Machines, National Seminar by Institution of Engineers (Textile Division) at Delhi, March 1989, Book of Papers, pp. 10 - 12, 1989.
 7. Sublimation Transfer Printing of Silk, Seminar on Silk Dyeing, Printing and Finishing held at IIT, Delhi on 3 Oct. 1989, Book of Papers, pp. 159 - 168, 1989.
 8. Quality Dyes: Quality Dyeing, Seminar on Quality in Processing of Synthetic Textiles by Sandoz and MANTRA at Bombay Market Auditorium, Surat, 17 Dec. 1990.
 9. Printing of Silk with Reactive Dyes, Gujtex Seminar, MANTRA, Surat, 18th - 20th Feb 1994.
 10. Anti-pilling Polyester fibres, All India Seminar on Recent Developments in Plastics, Rubbers and Fibres, organized by Institution of Engineers (India) at Indore on 13-14 Mar. 1997, Book of Papers, pp. 39 - 46, 1997.
 11. Suitable Dyes for Export Quality Fabrics, Seminar on Quality Upgradation and Export Promotion, Organised by PDEXCIL at Erode on 5 Jun. 1997.
 12. Natural Dyes and the Challenges, 53rd All India Textile Conference of The Textile Association (India) at Komarapalayam in Dec 1997, Book of Papers, pp. 229 - 235, 1997.
 13. Application of Enzymes in Eco-friendly Wet Processing of Cotton, National Seminar on Environmental Issues - Technology options for textile industry at IIT, Delhi, 6-7 Nov 1998, Book of Papers, pp. 129 - 134, 1998.
 14. Prediction and Control of Shrinkage in Knitted Fabrics, All India Seminar on High Technology Knitting to meet the Challenges of 21st Century by Institution of Engineers at Babuji Institute of Engineering and Technology, Davangere, 27-28 Nov. 1998, Book of Papers, pp. 11 - 15
 15. Some Green Shades using Natural Dyes on Cotton, National Convention on Natural Dyes, IIT, Delhi, 9-11 Dec. 1999, Book of Papers, p. 287.
 16. New Developments in Measuring and Control Technology in Textile Wet Processing, 14th National Convention of Textile Engineers and National Seminar on Textile Control Engineering, 10-11 Jan. 2000, Institution of Engineers (India) at P.S.G. College of Technology, Coimbatore, Book of Papers, pp. 20.0 - 20.3.
 17. Some solutions to the Environmental Problems related to Textile Wet Processing, All India Seminar on Modern Wet Processing and Finishing Techniques in Textiles for 21st Century, by IE & ISTE at Babuji Institute of Engineering & Technology, Davangere, 15- 16th Jan 2000, Book of Papers, pp. 97 – 104
 18. New Developments in Measuring and Automation in Textile Wet Processing, NCUTE Programme on Integrated Textile Production Processes, Kumaraguru College of Tech. Coimbatore 20-21 Jul.2000, Book of Papers, pp. 76 - 80
 19. Environmental Problems from Textile Industry, NCUTE Programme on Environmental Problems in Chemical Processing of Textiles, Kumaraguru College of Tech., Coimbatore, 21-22 Jun. 2001, Book of Papers, pp. 22 - 34
 20. Application of New Generation yarns in Technical Textiles, NCUTE Programme on Modern Spinning Systems, 20- 21 Dec.2001, Kumaraguru College of Technology, Coimbatore, Book of Papers, pp.83- 93
 21. Degumming of Silk, NCUTE Seminar on Chemical Preparatory Processes in Textiles, 22- 23 Aug. 2002, KSR College of Technology, Tiruchengodu, Book of Papers, pp. 9 – 30
 22. Technology options to face environmental issues in Textile Wet Processing, AICTE sponsored National Conference in Pollution Control Methods for Textile Wet Processing Industry, 24-25 Feb. 2003, S.S.M. Institute of Textile Technology, Komarapalayam, pp. 52 - 59
 23. Innovative methods of Teaching Textile Processing, AICTE sponsored Staff Development Programme - Induction Training Programme in Textile Technology, 23 Apr.-3 May 2003, S.S.M. Institute of Textile Techn., Komarapalayam, pp. 69 - 73
 24. Competency based Curriculum, AICTE sponsored Staff Development Programme - Induction Training Programme in Pedagogy, 23 Apr. - 3 May 2003, S.S.M. Inst. of Textile Tech., Komarapalayam, pp. 32 – 35
 25. Continuing Education, AICTE sponsored Staff Development Programme - Induction Training Programme in Pedagogy, 23 Apr.-3 May 2003, S.S.M. Institute of Textile Technology, Komarapalayam, pp. 76 – 79
 26. Discoloration of Dye House Waste Water to Recover Reusable water, Conference on Environment Management in Textile Industry, 11- 12 Apr.2003, FFI at IIT, Delhi.
 27. State-of-the-art Technology in Textile processing machinery to face Global Economy, 17th National convention of

- textile Engineers on Strategies and Technology for Textile Industry to meet Globalised Economy, 12- 13 Dec. 2002, Institution of Engineers (India) at Kumaraguru College of Tech. Coimbatore, pp. 70 - 74
28. Technology of Textile Effluent Treatment, NCUTE sponsored Workshop on Engineering Aspects of Textile Mills - Effluent Treatment & Water Management in Textile Mills, 20 Jul.2002, Bannari Amman Institute of Technology, Sathyamangalam (BIT) and SIMA, Coimbatore , pp. 1 – 7
 29. Garment Finishing, NCUTE-Garment Manufacturing Technology, 20 Jun.2003, K.S.R College of Engineering, Tiruchengodu, pp. 70 - 85
 30. Modern Developments in Wet Processing to meet the Global Challenge, NCUTE, 26 Jun.2003, S.S.M College of Engineering, Komarapalayam, pp. 31 - 37
 31. Developments in High and Low Wet Pick-up Devices for continuous Chemical Processing in National Conference on Industrial Problems in Machines and Mechanisms, Kumaraguru College of Technology, Coimbatore, 5 - 6 Jan. 2007.
 32. Practical Enroute to Transfer printing at AICTE sponsored National Seminar, SSM Institute of Technology, Komarapalayam on 21 July 2007.
 33. Chemical Processing of Silk at AICTE sponsored National Seminar, Vivekanandha College, Tiruchengodu on 19 July 2007.
 34. Nonwoven Home Textile Products in World Textile Conference on Apparel and Home Textiles, International Textile Educational Consortium at Hotel Jenny Club, Coimbatore on 16 Aug. 2007.
 35. New Generation Fibers in AICTE sponsored Staff Development Programme at SSM Institute of Technology, Komarapalayam on 31 Oct. 2007.
 36. Dyeing, Printing and Finishing of Home Textiles in HOTE - 08 National Conferences on Home Textiles at Kumaraguru College of Technology Coimbatore on 26 Sept. 2008.
 37. Modified polymers for Differentially Dyeable fibres, Invited lecture, National conference on Advances in chemicals for Textile polymers - Application and quality Assurance, P.S.G. College of Tech. Coimbatore on 12 Feb. 2009.
 38. Application of Enzymes and Greening of Textile wet processing, Invited lecture, UGC sponsored workshop on Green process Techniques for Industrial Application, Alagappa University, Karaikudi on 20 March 2009.
 39. Bamboo-The green and Eco-friendly Textile material, 3rd International Textile Conference on Global Textile Vision-Strategic initiatives, SSM College of Engineering, Komarapalayam, organized by International Textile Education Consortium on 29 Aug.2009
 40. New Generation Fibres, Emerging Trends in Textile Wet Processing, Special Textile Programme organized by NITTR at SSM Institute of Textile Technology, Komarapalayam during 26-30 Oct.2009
 41. Case Studies on Dyed Fibre Yarn Manufacturing , Application of Polycarboxylic Acids In Producing Poly Functional Finishes, 6th Edition of International Conference on Advances in Textiles, Machinery, Nonwovens and Technical Textiles, Organized by BIT, Sathy and Texas Tech University, USA at BIT, 07-09 Dec. 2009
 42. Plasma Treatment for Polyester Textiles, National Seminar Sponsored by AICTE, Bannari Amman Institute of Technology, Sathyamangalam, 22-23 April. 2010
 43. Organic Fibres, National level symposium sponsored by DST at Bannari Amman Institute of Technology, Sathyamangalam, on Eco-friendly Textiles and Apparels, 08-09 March, 2012
 44. Advances in Functional Finishing of Textiles and Apparels, AICTE sponsored Staff Development Programme at Sona College of Technology, Salem 21 Nov. -03 Dec.2011
 45. Dry Processing of Textile Materials, TEQIP-II Sponsored FDP on Coloration and Finishing of Textiles, PSG College of Technology, Coimbatore, 03-06 July. 2013
 46. Application of PCAs in producing Polyfunctional finishes in Textile material', International conference on Advances in textiles - ATNT 2009, Bannari Amman Institute of Technology, Sathyamangalam.2009
 47. Recent trends in producing Multifunctional finishes', National seminar on advances in chemicals for textile polymer - ACTPAQ 2011, PSG College of Technology, Coimbatore.,2011
 48. Molecular crosslinking of Cotton textiles to impart Multiple functional properties', National conference on innovations in apparel manufacture - IAQM 2013, Bannari Amman Institute of Tech. (BIT), Sathyamangalam, 2013
 49. Method for long lasting performance of garment', National conference on Innovations in Apparel manufacture, Quality and Management, Bannari Amman Institute of Technology. 2013
 50. Burning problem in Modern Dyeing with Reactive dyes', International conference on Advances in Textiles, Machinery, Nonwovens and Technical textiles at Bannari Amman Institute of Technology, 2009

51. A Study of Washing fastness on Beta Cyclodextrin treated Reactive dyed cotton', 3rd International Textile conference, 28th-30th Aug.2009 at SSM College of Engineering, Komarapalayam
52. A Study of Cyclodextrin Treatment on Silk Degumming' 3rd International Textile conference held 28th - 30th Aug.2009 at SSM College of Engineering, Komarapalayam
53. A Study of Polysaccharides Treatment on Resin Treated Cotton Fabric' International conference held at Bannariamman Institute of Technology, 9 Dec.2009
54. Flame Retardant finishing on Home Textiles', National seminar, organized by NITRA on 5th March 2010 at Kannur, Kerala
55. Recent developments in Handloom fabric Finishing', International seminar, organized by Dept.of Handloom and Textiles, Govt.of Kerala held on 9th Dec' 2013 at Kannur, Kerala
56. A Novel, Green Route for the Production of Dual Finish on Cotton fabric, National Conference on 'Impact of R&D in Biotechnology for Sustainable Textile Production' held between 23-24th Dec, 2014 at K.S.R.College of Technology, Tiruchengode, Tamilnadu.

Faculty Development Programmes :

Attended

1. AICTE- Staff Development Programme on Pedagogy, 23 April – 3 May 2003.
2. AICTE- Staff Development Programme on Induction Training Programme in Textile Technology, 02-11 May 2003.
3. Staff Development Managers Workshop, CIICP, DOTE Chennai, 25-28 July, 2001.
4. Institute Industry Partnership, Tamilnadu Polytechnic Madurai, AICTE and ISTE, 03.02 1997 – 08.02.1997.
5. Management of Technical Education in 21st Century, 10-12 December 1999, Kongu Engineering College, Erode, 29th Annual Convention and National Seminar, ISTE.
6. Maintenance and Quality in Textile Industry, SSMITT, Komarapalayam, 24 Nov.- 06 Dec. 1986, ISTE FDP.
7. Computer programming in FORTRAN, ISTE Summer School Seshasayee Institute of Tech. Trichy, 07-20 June 1987.
8. Advances in Synthesis and Manufacturing Processes of Plastics, Rubbers and Fibres, SGSIPS, Indore, Institute of Engineers (India), 13-14 March 1997.
9. Entrepreneurship Development Programme, PSG Polytechnic, Coimbatore, 13 Dec. 1996.
10. Innovative Methods of Teaching, NCUTE Pilot Programme, PSG Tech. Coimbatore 17-18 May 2002.
11. Process Control in Textile Wet Processing, NCUTE Industrial Training Programme, BIT, Sathy, 6-7 May 2002.
12. International conference on Emerging Trends in Textiles -An exciting challenge. Confederation of Indian industry and the Textile Association (India) PHC Unit, 14th – 17th Nov.2002.
13. PSG-INDA Workshop on Nonwovens on 5-6 July 2007 at PSG Tech. Coimbatore.
14. First International Conference on "Cellulosics: Colouration, Innovation and Regulations", organized by Society of Dyers and Colourists (UK), Tirupur Region at Hotel Velan, Tirupur on 01 Aug.2007.
15. ISO 9001:2000 Awareness and Internal Quality Auditing Course at BIT during 16-17 Oct. 2006.
16. One-day workshop on Nanotechnology and their society organized by German returnees Association, IIT Madras and BIT Sathyamangalam on 17 Nov. 2007
17. Two-day International Conference on Technical Textiles in Apparel Sector organized by NIFT at Bangalore during 21-21 Nov. 2008.
18. Two-day workshop on Lean Manufacturing Practices for Garment Industry, during 19-20 Dec. 2008 at SVPITM, Coimbatore.
19. International Seminar on Recent developments of Coloration and Energy in the Textile Industry, organized by The Society of Dyers & Colourists (SDC) Tirupur on 22 June 2009 at Hotel Velan, Tirupur.
20. Global Conference on Sustainability in Colouration, Vision 2020, organized by The Society of Dyers & Colourist (SDC) at Canacon, Goa during 25-26 June 2009.
21. Role of Internal Quality Assurance Mechanism in centers of higher learning at Nehru Arts and Science College, Coimbatore during 9-10 Oct. 2009.
22. International Symposium on Marketing and Technology of Technical Textiles, organized by Texas Tech University, USA and Textiles Committee , at Mumbai 5-6 Jan. 2010

As per AICTE/UGC (India), API (Academic Performance Indicator) Score in CATEGORY-III: RESEARCH AND ACADEMIC CONTRIBUTIONS: 1190.39

LIST OF REFERENCES

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I certify that the information furnished above is true and correct to the best of my knowledge.

(Dr. G.Nalankilli)