

Dr. G. KARTHIKEYAN PROFESOR & HEAD, TEXTILE TECHNOLOGY



Name : Dr.G.Karthikeyan
Designation : Professor & Head
Department : Textile Technology
Joining Date : 19.05.2010
Qualification : B.E., M.Tech, Ph.D.,
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Educational Qualification

Course	Year of Passing	Institution	Board / University
Ph.D	Feb.2017	Anna University	Anna University, Chennai.
M.Tech Textile Technology	June. 2004	Kumaraguru College of Technology Coimbatore	Anna University Chennai
B.E Textile Technology	Apr. 2002	Pavendar Bharathidasan College of Engg & Tech. Trichy.	Bharathidasan University Trichy.
Diploma in Textile Processing	Apr. 1998	Erode Institute of Technology, Kavindapadi.	Directorate of Technical Education

FDP / Seminar / Conference / Workshop / Other Courses Attended

1. Participated NCUTE HRD Programme on **“Eco – Friendly Textile Wet Processing”** SSM College of Engineering, Komarapalayam on 26 & 27th July 2001
2. Participated in National Seminar on **“Application of Enzymes in Wet Processing”** SSMITT & PC, Komarapalayam on 28th & 29th Feb 2004.
3. Participated in 2nd **Indo – Czech Textile Research Conference** on **“Advances in Textile Product, Process & Machinery Engineering”** at Kumaraguru College of Technology, Coimbatore on 28th & 29th Nov.2003
4. Participated in AICTE Sponsored National Level Seminar on **“Technological Developments in Rotary & Digital Printing of Textiles”** at SSMITT & PC on 20th & 21st July 2007.
5. Participated in One Day Seminar on **“Industry Institute Interaction”** at Thiyagarajar Polytechnic College, Salem on 2nd March 2009. (Canada India Institutional Cooperation Project)
6. Participated in 12th one day National Seminar on **“Specialty Finishes in Textiles”** at Kumaraguru College of Technology, Coimbatore on 9th September 2009.
7. Participated in One Day Seminar on **“Eco Friendly Processing of Textiles towards Global Standards”** at SSMITT & PC on 29th August 2009.
8. Participated in One day Seminar on **“Industry Institute Interaction”** at PSG Polytechnic College, on 25th September 2009. (Canada India Institutional Cooperation Project)
9. Participated in one day National seminar on **“Current Trends and Future Challenges in the Treatment of Effluents from Textile Industry”** held at Kumaraguru College of Technology, Coimbatore, on 23rd December 2010.
10. Participated IUPAC sponsored International conference on **“Nanomaterials and Nano Technology (NANO 2012)”** held at K S Rangasamy College of Technology, Tiruchengode, from 13th to 16th December 2010.
11. Participated ICTN 2010 International conference on **“Technical Textile and Non Wovens”** held at IIT, Delhi, from 11th to 13th November 2010.

12. Participated Staff Development Programme on **“Modern Spinning Technology”** sponsored by AICTE, organized by Bannari Amman Institute of Technology, Sathyamagalam, from 23rd May to 04th June 2011.
13. Participated Infosys – Train the Trainer workshop on **“Star Prime”** conducted by Campus Connect at Mahindra City Campus, Infosys limited, Chennai, from 6th to 8th June 2011.
14. Participated Indo-Czech seminar on **“Recent Trends in Textile Technology & Management”** organized by Sardar Vallabhbhai Patel International School of Textile & Management, Coimbatore on 3rd February 2012.
15. Participated Staff Development Programme on **“Modern Garment Technology”** sponsored by AICTE, organized by Bannari Amman Institute of Technology, Sathyamagalam from 21st May to 03 June 2012.
16. Participated state level seminar on **“Business Opportunities in Fashion & Textiles”** conducted by Kongu Arts and Science College, Erode, on 19th September 2013.
17. Participated Staff Development Programme on **“Fashion Design and Technology”** sponsored by AICTE, organized by Bannari Amman Institute of Technology, Sathyamagalam from 20th March to 02nd June 2013
18. Participated QIP, Programme on **“Sizing, Fit & Design of Functional Clothing”**, organized by IIT Delhi from 3rd to 07th November 2014
19. Participated **“National Recruitment Plan '16 “** organized by SRM University, Chennai on 31st July & 1st August, 2015
20. Participated **“Sustainable Solid Waste Management Technologies for Clean India (NSSWMT-17’)”** organized by Department of Civil Engineering, K S Rangasamy College of Technology, Tiruchengode, on 23rd June 2017.
21. Participated National Seminar on **“Improving your API Scores based on UGC Regulations”**, organized by the Department of Library, K S Rangasamy College of Technology, Tiruchengode, on 28th August, 2017
22. Participated National Seminar on **“Manufacturing Excellence in Textile and Garment Industries”** organized by Sona College of Technology, Salem on 15th Feb 2018.

Paper Presented

1. Presented a paper titled **“Subjective Hand Evaluation of Enzyme Softened Yarn Fabrics”** at the International Conference at Kumaraguru College of Technology, Coimbatore.
2. Presented a paper titled **“Bamboo – The Green and Eco-Friendly Textile Material”** at the 3rd International Textile Educational Conference at SSM College of Engineering, Komarapalayam.
3. Presented a paper titled **“Agro - Textiles”** at the 3rd International Textile Educational Conference at SSM College of Engineering, Komarapalayam.
4. Presented a paper titled **“Bio – Active Surgical Sutures”** in the National Conference held at Angel college of Engineering and Technology, Tirupur, from 31st March to 2nd April 2011.
5. Presented a paper & poster titled **“Investigation of Thermal Insulating property of Non Woven Fabric Made from Natural Fiber Waste”** in the International Conference on Technical Textile & Nonwovens held at IIT, Delhi from 6th to 8th November, 2014.
6. Presented a paper titled **“A Novel Green Route for the Production of Dual Finish”** in the National Conference on Impact of research and development in Biotechnology for sustainable textile production, held at K S Rangasamy College of Technology on 23rd & 24th December 2014.
7. Presented a paper titled **“ Impact of Nanotechnology in the Arena of Textile Apparel Finishing”** in the National Conference on Impact of Nanotechnology in the arena of fibre manufacturing and Textile Finishing for the production of multi Functional fibers/fabrics for High—End Applications, held at K S Rangasamy College of Technology on 30th & 31st March 2017, proceedings page no 27.

Paper Published – International Journals

1. **‘Thermal Comfort Properties of Bamboo Tencel Knitted Fabrics’**, International Journal of Clothing Science and Technology, 2016, vol. 28, issue 4, pp. 420-428.
2. **‘Moisture Management Properties of Bamboo Viscose/Tencel Single Jersey Knitted Fabrics’**, Journal of Natural Fibers, 2016, vol. 1, issue 1, pp. 143-152.

Anna University Research Supervisor

- Anna University recognized supervisor for guiding PhD and M.S. (By Research). Reference No. : 3050002

Award / Guest Speaker

- Certificate of Merit for accomplishing 100% result in Knitting Technology.
- Certificate of Merit for accomplishing 100% result in Garment Manufacturing Technology.
- Certificate of Merit for accomplishing 100% result in Apparel Marketing & Merchandising
- Guest Lecture on “Textile Finishing” presented at Nandha Arts & Science College, Erode on 7th August 2013.
- Acted as a Chief Guest & Judge for the State level Technical Symposium held at Arulmurugan Polytechnic College, Thennilai, on 10th January, 2010.
- Guest of Honor speech for “**Seminar on Internship**” held at K S Rangasamy College of Technology, Tiruchengode, on 6th April, 2018

Membership in Professional Bodies

- Life member of Indian Society for Technical Education (ISTE)

Books Authored – Diploma Students

- Fibre Science and Yarn Manufacture, Advanced Textile Manufacture, Dyeing of Man Made Textiles, Dyeing of Natural fibers and Advances Textile Processing for the syllabus of Diploma in Textile Processing, Textile Technology & Garment Technology

Journal Reviewer

- Textile Research Journal
- Journal of Industrial Textiles
- International Journal of Environment and Waste Management (IJEWM)
- **Journal of Engineered Fibers and Fabrics (JEFF)**
- International Journal of Thermophysics

Ministry of Textile – ISDS Assessor

- Recognized assessor for the Integrated Skill Development Scheme run by Ministry of Textile
- Assessor Code Number : RSA212345000019

Responsibilities at K S Rangasamy College of Technology

- Delegated the additional responsibility as **Placement Coordinator** for the KSR Educational Institution.
- Visited a number of **IT/ITES** and **Core industries** in Chennai, Bangalore, Coimbatore and Erode and had discussions with HR's and Technical Heads about the skills sets required for the students.
- Planning and scheduling the campus recruitment process and liaising with the lead HRs during placements.
- Planning and scheduling the training sessions and regulating trainers as per the needs and expectations from industries.
- Conducting placement orientation sessions and periodical performance review sessions on eligible students.
- Member of the selection panel for short listing and scrutinizing training agencies for every academic year.
- Coordinated assessment platforms such as **AMCAT, CoCubes, Guvi, Skillrack** for placement prospects.
- **Heading the hospitality team** for the campus visiting industry experts, HRs and academician in all college functions.
- Act as a **Additional Chief Examiner** for the central valuation of Anna University, Chennai.
- Coordinator for the **Faculty & Students uniform stitching**
- Placement activities were given a fillip by bringing more prospective companies for campus placements, besides motivating the students and arranging a number of career development programmes.

Other Responsibilities at KSR Institutions:

Online Exams Coordinator:

- Coordinated and act as a **Test Center Administrator** in the **IBPS** and **Chennai Metro Rail** Online Examinations.

- Act as a **Presiding Officer** in the **GATE Online Examination** conducted by TCSiON, Chennai.
- Act as a **Center Head** in the **ICICI, SBI, REPCO, TMB, RBI and IIBF Online Examination** conducted by TCS-iON, Chennai.
- Act as an **Institution Head** in the **JIPMER, AIMS and CMC Medical Online Examination** conducted by TCSiON, Chennai.
- Act as a **Center Head** in the **IIBF Online Examinations** conducted by Sify Technologies, Chennai.

Consultancy IOT Work:

- Associated with Pearl Global, Chennai (Garments Manufacturing Factory), developed the Apps for Needle inventory.
- Associated with IL&FS, to create platform for assisting the industry in optimizing their cost of manufacturing through a mechanism designed to promote optimum utilization of spare manufacturing capacities. This platform will bring together the capacity providers and capacity seekers and assist them through a process driven, medium / long-term capacity underwriting contracts.

Skill Development Programme

- Institution Coordinator for “**IL&FS**” Skill development programme.
 - Sewing Machine Operator
- Institution Coordinator for “**AICTE – PMKVY**” (Pradhan Mantri Kaushal Vikas Yojana) Skill development programme.
 - Ring Frame Tenter
 - Shuttle less loom Weaver - Airjet
- Institution Coordinator for “**Kirran Entrepreneurship for Youth**” – Namakal
 - Basic & Advanced Sewing Operator

Dr.G.KARTHIKEYAN