

Dr.K.Sabaridharan,M.Tech(Textile Technology),Ph.D

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Educational Qualification

- **Doctor of Philosophy**, dissertation titled, “**Study on Thermal and Moisture Vapour Transmission Characteristics of Multilayered Fabric Ensembles**” in the Department of Textile Technology, Indian Institute of Technology, New Delhi, in November 2013.
- Post Graduated **Master of Technology** in Textile Technology with **8.694 CGPA** in A.C.College of Technology, Anna University, Chennai, in 2007.
- Graduated **Bachelor of Technology** in Textile Technology with **77 %** in K.S.R College of Technology, Tiruchengode affiliated to Anna University, Chennai, in 2005.
- **Diploma in Man Made Fibre Technology** with **85.17%** in Thiagarajar Polytechnic, Salem, in 2000.

Employment History

- ❖ Working as Associate Professor at the Department of Textile Technology, Bannari Amman Institute of Technology, Sathyamangalam, Erode since 1st July 2018.
- ❖ Assistant Professor (Selection Grade) at the Department of Textile Technology, Bannari Amman Institute of Technology, Sathyamangalam, Erode from 22nd May 2015 to 1st July 2018.
- ❖ Assistant Professor in PSG Institute of Advanced Studies, Coimbatore from 24th December, 2014 to 13th May 2015.

- ❖ Assistant Professor in National Institute of Technology, Jalandhar, Punjab from 13th August 2014 to 05th December 2014.
- ❖ Assistant Professor in Institute of Technology for Textiles, Garment and Fashion Design, Bahir Dar University, Ethiopia from 27th March 2013 to 17th June 2014.
- ❖ Research Associate in the Department of Textile Technology, Indian Institute of Technology (IIT), New Delhi in a sponsored research project entitled “Design and Development of a Computerized Instrument for Measurement of Fabric Feel by Nozzle Extraction” funded by Department of Science and Technology (DST), New Delhi, from 6th October 2010 to 28th February 2013.
- ❖ Project Scientist in the Department of Textile Technology, Indian Institute of Technology (IIT), New Delhi in a sponsored research project entitled “Comfort Characteristics of Extreme Climate Association for Defence Personnel” funded by Defence Research & Development Organization (DRDO), New Delhi, from 5th to 16th November 2009 (on Contract) & 17th October 2009 to 5th October 2010 (Regular).
- ❖ Lecturer in Kumaraguru College of Technology, Coimbatore from 28th January 2009 to 30th May 2009.
- ❖ Spinning Technologist in Ahmedabad Textile Industries Research Association (ATIRA), Ahmedabad from 9th June 2007 to 18th October 2008.

List of Ph.D. Candidates Supervising at Present

- ❖ Recognized supervisor from Anna University, Chennai with the supervisor recognition number 2650008.

Reg. No.	Name	Internal / External	Present Status
11200831002	V. Ilango	External	Thesis Submitted, Report Received
11230831007	N.Senthil Kumar	External	Synopsis Submitted
16145697156	Mr. R. Indrajith	Internal	Provisional Registration Completed
16142697199	Mr. R. Naveen	Internal	Course work completed
18245691128	Ms. V. Punitha	Internal	Course work under progress

Doctoral Committee Member

- ❖ Doctoral Committee member for Ms. Jesima M doing Ph.D. in Anna University, Chennai under the supervision of Dr. P. Kandhavadi, Professor, PSG College of Technology.
- ❖ Doctoral Committee member for Ms. Vasanthi D.S. doing Ph.D. in Bharathidasan University, Tiruchirappalli, under the supervision of Dr. B. Sakthivel, Professor (Department of Physics), A.V.V.M. Sri Pushpam College, Poondi, Thanjavur.

List of Publications in Journals

Publications in Peer-reviewed International Journals:

1. **Shabaridharan**, Das A (2012), Study on Heat and Moisture Vapour Transmission Characteristics through Multilayered Fabric Ensembles, *Fibres and Polymers*, Vol. 13, No. 4, pp. 522 – 528.
2. **Shabaridharan** and Das A (2013), Study on thermal and evaporative resistance of multilayered fabric ensembles, *Journal of the Textile Institute*, Vol.104, No. 10, pp. 1025 – 1041.
3. **Shabaridharan** and Das A (2013), Statistical and ANN analysis of thermal and evaporative resistances of multilayered fabric ensembles, *Journal of the Textile Institute*, Vol.104, No. 9, pp. 950 – 964.
4. **Shabaridharan** and Das A (2014), Modeling of thermal properties of multilayered fabrics by ANN consisting of polypropylene needle-punched nonwovens, *Journal of the Textile Institute*, Vol. 105, No. 2, pp. 109 – 118.
5. **Shabaridharan** and Das A (2014), Analysis of thermal properties of multilayered fabrics by full factorial and Taguchi method, *Journal of the Textile Institute*, Vol. 105, No. 1, pp. 29 – 41.
6. Das A, **Shabaridharan** and Biswas B (2011), Study of Heat and Moisture Vapour Transmission Characteristics through Multilayered Fabric Ensembles, *Indian Journal of Fibre and Textile Research*, Vol. 36, pp. 410 – 414.
7. Das A, Alagirusamy R, **Shabaridharan K** and Kumar P (2011), Study on Heat Transmission through Multilayered Clothing Assemblies under Different Convective Modes, *Journal of the Textile Institute*, Vol. 103, No. 7, pp. 777 – 786.
8. **Shabaridharan** and Das A (2014), Study on thermal resistance of multilayered fabrics under different compressional loads, *Journal of the Textile Institute*, Vol. 105, No.5, pp.538-546.

9. **Shabaridharan**, Das A. and Gersak J. (2014), Physiological responses of different types clothing in cold weather condition: A wear trial study, Indian Journal of Fibre and Textile Research, Vol. 39, pp. 33 – 42.
10. Tesfaye T, Begam R, Sithole B B and **Shabaridharan K.** (2015) Dyeing Cotton with Dyes Extracted from Eucalyptus and Mango Trees, The International Journal Of Science & Technoledge, Vol. 3, Issue 8, pp. 310 – 316.
11. Das A and **Shabaridharan** (2011), Novel Fibres and Fabrics for Extreme Cold Weather Clothing Applications, **Associations for Machines and Mechanisms News Bulletin**, Volume 3, No. 2, pp. 3 (Non peer-reviewed Magazine).
12. N. Senthil Kumar, **K. Shabaridharan**, R. Perumalraj, V. Ilango, Study on Cross Directional Tensile Properties of Bamboo / Polypropylene Blended Needle Punched Nonwoven Fabrics, Journal of Industrial Textiles, Vol. 47, Issue: 6, pp. 1342 – 1356.
13. V. Ilango, **K. Shabaridharan**, N. Senthil Kumar, R. Perumalraj, Tensile characteristics of sisal and polypropylene fibre non-woven materials for geo-textile applications, Journal of Industrial Textiles, DOI: 10.1177/1528083717708481.
14. R. Chandrasekaran, S. Periyasamy and **K. Shabaridharan**, Statistical Analysis on Pilling Behaviour of Polyester / Cotton and Polyester /Viscose Blended Woven Fabrics, Accepted in Fibers and Eastern Europe, Volume 3/2018.

Book Chapters

1. Rana S, Pichandi S, Shabaridharan, Bhattacharyya A, Parveen S and Fanguero R, Carbon Footprint of Textile and Clothing Products in “*Handbook of Sustainable Apparel Production*”, (Ed. Muthu S S) Taylors & Francis, CRC Press, 2015, ISBN: 13: 978-1-4822-9939-7.
2. Shabaridharan, Rana S, Begam R, Parveen S and Fanguero R, Life Cycle Assessment Studies Pertaining to Textiles and the Clothing Sector in “*Handbook of Sustainable Apparel Production*”, (Ed. Muthu S S) Taylors & Francis, CRC Press, 2015, ISBN: 13: 978-1-4822-9939-7.
3. Rana S, Shabaridharan K., Parveen S and Fanguero R, Life cycle assessment of cotton textiles and clothing in “*Handbook of Life Cycle Assessment (LCA) of Textiles and Clothing*”, (Ed. Muthu S S) Woodhead Publishing Series in Textiles: Number 172, 2015, 195–216,

Cambridge, UK. doi:10.1016/B978-0-08-100169-1.00009-5, ISBN: 978-0-08-100169-1 (Print)

4. Shabaridharan K and Bhattacharyya A, Metallic Fibers for Composite Applications in *Fibrous and Textile Materials for Composite Applications* part of the series of Textile Science and Clothing Technology (Ed.: Rana S and Fangueiro R), Springer, Singapore, 2016, 205 – 230, ISBN 978-981-10-0232-8 (Print), ISBN 978-981-10-0234-2 (Online), DOI: 10.1007/978-981-10-0234-2_6
5. M. Gopalakrishnan, K. Shabaridharan and D. Saravanan, Low Impact Reactive Dyeing Methods for Cotton for Sustainable Manufacturing in *Sustainable Innovations in Textile Chemistry and Dyes*, (Ed. S.S. Muthu), Springer, Singapore. ISBN 978-981-10-8600-7, DOI 10.1007/978-981-10-8600-7.
6. S. Tharakeswari, K. Shabaridharan and D. Saravanan, Textile Effluent Treatment Using Adsorbents in *Handbook of Textile Effluent Remediation*, (Ed. Mohd Yusuf), Pan Stanford Publishing, CRC Press (Taylors & Francis), ISBN 9789814774901 - CAT# K386579.

Certifications

- Certified as a “**Internal Auditor**” by **TUV Nord for ISO 9001:2015** Quality Management System.
- Certified as a “**Lead Auditor**” by **TUV Nord for ISO 9001:2015** Quality Management System.
- Certified as the **Examiner** for Quality Management for the **IMC Ramakrishna Bajaj National Quality Award**.

Professional Training

- Participated in the Faculty Development Programme (FDP) on *Technical Textiles and Garments* for the period of 15 days from 18th May 2015 to 30th May 2015 at Bannari Amman Institute of Technology, Sathyamangalam, Erode.
- Participated in a short term course under Quality Improvement Programme (QIP) on *Textile Structures and Structural Composites* at Department of Textile Technology, Indian Institute of Technology (IIT), Delhi from 15th to 18th February 2016.

- Participated in a three days Faculty Development Programme (FDP) on *Case Writing, Teaching and Research* organized by XIME Bangalore in collaboration with KAABS from 23rd to 25th November 2016 at XIME Bangalore.
- Participated in a one week short term course on *Advances in Woven Fabric Formation and Structure* sponsored by Ministry of Human Resource Development, Govt. of India under the Global Initiative of Academic Networks (GIAN) from 19th to 23rd December 2016 at College of Engineering and Technology, Bhubaneswar, Odisha, India.
- Participated in a two weeks Faculty Development Programme (FDP) on *Entrepreneurship* Sponsored by NSTEDB DST and organized by Department of Textile Technology, Kumaraguru College of Technology, Coimbatore from 12th November 2017 to 24th November 2017.
- Certified by NPTEL – AICTE Faculty Development Programme (FDP) for the 8 week course titled “*Introduction to Research*” in Aug – Sep 2018.
- Participated in two days workshop on “*Make in India*” Awareness Workshop on *Intellectual Property Rights (IPR)*, KPR Institute of Engineering and Technology, Coimbatore on 24th and 25th February 2017.
- Participated in two days workshop on *Personal Effectiveness Programme* organized by BIT Sathy on 01st and 02nd August 2017.
- Participated in the Faculty Training Programme on High – Tech Teaching Learning Strategies Conducted by Kumaraguru College of Technology, Coimbatore
- Participated in workshop on SPSS Package for Research Analysis organized by Anna University, Chennai.

Responsibilities at Institute Level (BIT Sathy and iOTEX, Ethiopia)

1. Coordinator for Pradhan Mantri Kaushal Vikas Yojana (PMKVY) Scheme at Bannari Amman Institute of Technology.
2. Coordinator for AICTE - CII Survey of Industry-Linked Technical Institutes at Bannari Amman Institute of Technology for the year 2016 – 17 and 2017 – 18.
3. Coordinator for Ramakrishna Bajaj National Quality Award – 2018 and Performance Excellence award was announced for 2017 – 18.

4. Coordinator for NIRF 2018 at BIT Sathy for Teaching, Learning & Resources and Graduate Outcome Categories (BIT Sathy scored 76th Rank in Engineering in the year 2018).
5. Internal Auditor for Academic Performance Indicator (API) of faculty members at BIT Sathy during 2017-18 and 2018 – 19.
6. Internal Auditor for 14 Point Indicator of students at BIT Sathy since 2017-18.
7. Teacher's Teaching Learning & Research Team Leader in Mini-Chair of Competence of Fabric Manufacturing, iOTEX, Bahir Dar University, Ethiopia during 2013 – 14.
8. Member in Research Committee of Chair of Competence in Textile Manufacturing, iOTEX, Bahir Dar University, Ethiopia during 2013 – 14.
9. Secretary in Curriculum Committee of Master's Programme for Textile Manufacturing, iOTEX, Bahir Dar University, Ethiopia during 2013 – 14.
10. Chair Person in Curriculum Committee of Bachelor's Programme for Textile Engineering, iOTEX, Bahir Dar University, Ethiopia during 2013 – 14.