

Name : Mrs.T.R.Indumathi
Designation : Assistant Professor
Department : Costume Design and Fashion
Qualification : MSc., M. Phil., (Ph.D.)
Experience : Teaching: 4 years Industry: 3 Years Research: 7 years
Area of Specialization(s) : Technical Textiles, Textile Finishes
Email (Official ID) : indumathi@drngpasc.ac.in



Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D	Costume Design and Fashion	PSG College of Arts and Science, Coimbatore	Pursuing
M.Phil.	Costume Design and Fashion	PSG College of Arts and Science, Coimbatore	2018
MSc	Apparel Fashion Designing	NIFT- TEA College, Tirupur	2016
BSc	Apparel Fashion Designing	Avinashilingam University, Coimbatore	2007

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
On line Course	NPTEL (Product Design and Development)	Indian Institute of Technology, Delhi	2022
On line Course	NPTEL (Testing of Functional and Technical Textiles)	Indian Institute of Technology, Delhi	2021
On line Course	NPTEL (Science of Clothing Comfort)	Indian Institute of Technology, Delhi	2019
Certificate	KGMT	ATDC, Tirupur	2007
Certificate	CAD	ATDC, Tirupur	2007
Diploma	Multimedia	Avinashilingam University, Coimbatore	2005-2007

Patent Publications

- T.R.Indumathi, R.Divya, **“Biocompostable Pantyliners with Microfibril Absorbent medium using Agro Residuels”**, Application No. 202341015416, March.2023.
- T.R.Indumathi, R.Divya, **“Biocompostable Sanitary Napkins with Microfibril Absorbent medium using Agro Residuels”**, Application No.202341012878, Feb.2023.
- E.Devaki, T.R.Indumathi, **“Biodegradable Sanitary Pads”**, Application No.201941004314, Feb 2019.

Book Publications

- **“Non-Toxic Hygiene Product”** E.Devaki, T.R.Indumathi, Laser publications-Coimbatore. Published on 22-Feb-19, ISSN No.978-81-938778-6-9.
- **“Computer Aided Designing Lab-I: Lab Manual for UG Students”** T.R.Indumathi, S.Vijayalakshmi, 2022, ISSN No.978-81-960554-2-4.
- **“Wet Processing, Dyeing and Printing Lab: Lab Manual for UG Students”** T.R.Indumathi, S.Vijayalakshmi, 2022, ISSN No.978-81-960554-5-5.
- **“Garment Construction Lab I: Lab Manual for UG Students”** Dr.G.Malarvizhi, T.R.Indumathi, 2022, ISSN No.978-81-960554-6-2.

Research Publications (Indexed)

International

- T.R.Indumathi, R.Divya, **“Investigation on Potential Application of Non-wood Pulp for Hygiene Products as Absorbent Core Substantial”** Journal of Biomass conversion and Biorefinery, DOI: 10.1007/s13399-022-03725-1, 2022.
- T.R.Indumathi, R.Divya, **“Development of Microfibril Absorbent Substantial for Hygiene Products using Compostable Agro-Residuals”** Journal of Fiber Science and Technology, ISSN: 2189-7654, Vol.77, Issue.12, Pages 305-309, 2021.
- G.Malarvizhi, **T.R.Indumathi**, R.Haripriya, **“To Develop Facial Nonwoven Fabrics Infused With Herbal Extract For The Treatment of Acne (Pimples)”**International Advanced Research Journal in Science, Engineering and Technology, Vol. 8, Issue 6, 10-Jun-21.
- T.R.Indumathi, Dr.R.Divya, **“Development of Eco friendly Feminine Hygiene Product”**, International Journal of Mechanical and Production Engineering Research and Development, ISSN (P) 2249-6890, ISSN (E) 2249-8001, Vol.10, Issue 3, 23-Jul-20.

- T.R.Indumathi, E.Devaki, “**Study of Antimicrobial activity of *Cassia Auriculata* flower extract finished on cellulosic fabrics**”, International Journal of Pharmacy and BioScience, Vol.9, Issue.1, Pg.289-294, ISSN. 2230-7605, 02-Jan-19.
- T.R.Indumathi, E.Devaki, “**Application of Anti-microbial finishing on cellulosic fabrics with *Abutilon Indicum* Leaf Extract**”, International Research Journal of Pharmacy, Vol.9, Issue.11, Pg.129-133, ISSN. 2230-8407, 08-Nov-18.
- T.R.Indumathi, E.Devaki, K.Balamurugan “**Designing of coir mulch needle punched Nonwoven fabric application for Agro-Application**”, World Wide Journal of Multidisciplinary Research and Development, Vol.3, Issue.12, pp-225-232, ISSN.2454-6615, 28-Aug-17.

Other Publications: International / National Journals

- Sariga.S, **Indumathi T.R.**, “Development of Herbal Facial Beauty Mask” International Journal of Creative Research Thoughts, Volume 11 Issue 3, March 2023, ISSN: 2320-2882
- Divya.A, **Indumathi.T.R.**, “Development of Disposable Herbal Underarm Pad Using Natural Agroresidual Medium”, International Journal Of Creative Research Thoughts, Volume 11 Issue 3, March 2023, ISSN:2320-2882.
- Vinotha.T, **Indumathi.T.R.**, “Design And Development of Waterfall Frock Finished With Natural Plant Dye”, International Journal of Innovative Research In Technology, Volume 9 Issue 11, April 2023,ISSN:2349-6002
- Eshvintha.N.A, **Indumathi.T.R.**, “Development of Eco friendly Microfibril wet wipes” International Journal Of Creative Research Thoughts, Volume 11 Issue 3, March 2023, ISSN:2320-2882.
- Atshaya.E.R, , **Indumathi.T.R.**, “An Innovatory And Sustainable Approach For Green Synthesis of Bioplastic” International Journal of And Analytical Reviews, volume 10 issue 1, March 2023, ISSN:2349-5138.
- E.Devaki, **T.R.Indumathi**, “**Development of Fiber Reinforced Concrete (FRC) with Coir and Glass Fibers**”, International Journal for Research in Applied Science & Engineering Technology (IJRASET) Vol.7, Issue.11, Pg.149-155, ISSN. 2321-9653.
- E.Devaki, **T.R.Indumathi**, K.Sangeetha, “**Natural Antibacterial Finished Wet Wipes**”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Vol.7, Issue.10, Pg.710-713, ISSN. 2321-9653, 20-May-19.

Conference Paper Published

- T.R.Indumathi, R.Divya, E.Devaki, “**Development of non-toxic biodegradable herbal sanitary napkin**” Skills for Clothing Sector- Transforming the Training Functions” Alagappa College of Engineering and Technology: 2020, ISBN.No.978-81-937479-8-8.
- T.R.Indumathi, E.Devaki, “**A Review on Sustainability of Indian Sanitary Napkin**”, National conference on ‘Recent Developments in Textiles and Fashion’, 24-Feb-18, pp-148-150, ISBN NO.978-9380800-88-2.
- T.R.Indumathi, E.Devaki, “**Smart Textiles in Medical Assistance for Monitoring Cardiac Arrhythmia Disease**” National Seminar on ‘Emerging Trends in Managements of Textile, Appareland retail Industry’, 2017, pp-112-120, ISBN No.978-93-5288-307-3.

Presentations in Conference

- National level Technical Symposium, “**An Innovatory and Sustainable Approach for Green synthesis of Bioplastics**” Texcellence’23-Sustainability and Circularity in Textiles, held at Sardar Vallabhbhai Patel International School of Textiles and Management, on 6th-April-2023.
- National Conference on Technical Textiles “**Development of Eco Friendly Microfibril Wet wipes**” (**Best Paper Award**), PSG College of Arts and Science, Coimbatore. 29 March 2023.
- International Conference on Sustainable Development and Innovative Research in Home Science “**Development of Eco Friendly Microfibril Wet wipes**” Mother Teresa women’s University, Kodaikanal, 20th March 2023.
- International Conference on Recent Trends in Textile and Fashion, “**Investigation on Potential Application of Nonwood Pulp for Hygiene Products as absorbent Substantial**”, K.S.R. College of Arts and Science for Women, Namakkal, 2nd and 3rd Feb, 2023.
- National Conference on Trends for Futuristic Development in: Home science Research and Innovations (HSRI)-2022, “**Development of Antimicrobial Nonwoven Fabric Using Substantial Plant Materials**”, K.S.R. College of Arts and Science for Women, Namakkal, 2022.
- 3rd International Conference on Modern Research in Biological, Pharmaceutical, Medical and Environmental Science “**An Innovatory and Sustainable Approach for Green Synthesis of Bioplastic**”, Indian Academicians and Researchers Association, Oct-19, 2022.
- National Conference on Brand Promotion Strategies of Kasturi Cotton (ICBPSKC)-2022, “**Kasturi Cotton for Sustainability**” Sardar Vallabhbhai Patel International School of Textile and Management, coimbatore, 1st Oct-2022.

- International Conference on Sustainable Developments and Innovative Research in Home Science, “**Development of Disposable Armpit Liners Using linen fabric finished with lemon oil**” Mother Teresa Women’s University, Kodaikanal, Sep-2021.
- Alagappa College of Engineering and Technology: “**Development of Non-toxic biodegradable Herbal Sanitary Napkin**”, Skills for Clothing Sector- Transforming the Training Functions”, 2020.
- Bannari Amman Institute of Technology “**Natural antibacterial Wet Wipes**”, International conference on Application of Natural Bioactive Compound in Textiles and Biotech Industries, 25-Jun-2019.
- Vivekananda College for Women “**Application of Antimicrobial finish on cellulosic fabric with Herbal Extract**”, International Symposium on ‘Enlightening Platform of Photochromic Textiles’, held on 30-Aug-18 and 31-Aug-2018.
- PSG College of Arts and Science “**A Review on Sustainability of Indian Sanitary Napkins**”, National conference on ‘Recent Developments in Textiles and Fashion’, held on 9-Aug-2018.

Participation in Conference

International

- International Conference on Sustainable Development and Innovative Research in Home Science Mother Teresa women’s University, Kodaikanal, 20th March 2023.
- International Conference on Recent Trends in Textile and Fashion, K.S.R. College of Arts and Science for Women, Namakkal, 2nd and 3rd Feb, 2023.
- 3rd International Conference on “Modern Research in Biological, Pharmaceutical, Medical and Environmental Science”, Indian Academicians and Researchers Association, Oct-19, 2022.
- International Conference on Sustainable Developments and Innovative Research in Home Science, Mother Teresa Women’s University, Kodaikanal, Sep-2021.
- International Conference on Skills for Clothing Sector-Transforming the Training Function (ICSCS-2020), Alagappa Institute of Skill Development, Alagappa University, Karaikudi, 22nd & 23rd Jan 2020.
- Bannari Amman Institute of Technology, International conference on Application of Natural Bioactive Compound in Textiles and Biotech Industries, 25-Jun-2019.

- International Symposium on ‘Enlightening Platform of Photochromic Textiles’, held at Vivekananda College for Women, on 30-Aug-18 and 31-Aug-18.

National

- National Conference on Technical Textiles, PSG College of Arts and Science, Coimbatore. 29 March 2023.
- National Conference on Trends for Futuristic Development in: Home science Research and Innovations (HSRI)-2022, K.S.R. College of Arts and Science for Women, Namakkal, 2022.
- National Conference on Brand Promotion Strategies of Kasturi Cotton (ICBPSKC)-2022, Sardar Vallabhbhai Patel International School of Textile and Management, coimbatore, 1st Oct-2022.
- Participated in the conference on “**Role of Innovations in Developing Sustainable Fashion Design and Luxury Fashion Goods**”, held at Army Institute of Fashion and Design, Bengaluru on 25 - Apr-19.
- National conference on ‘**Recent Developments in Textiles and Fashion**’, held at PSG College of Arts and Science, on 9 -Feb-18.

Participation in Seminars

- National level Technical Symposium, **Texcellence’23-Sustainability and Circularity in Textiles**, held at Sardar Vallabhbhai Patel International School of Textiles and Management, on 6th-April-2023.
- National Webinar on ‘What is UX/UI design’, at Vogue Institute of Art and Design, Apparel Park, Bengaluru on 20th Jan 2022.
- International Seminar on “Innovations and Advancements in Technical Textiles” Kumuraguru College of Technology, Coimbatore. Sep 27-Oct 01, 2021.
- Participated in the State level Seminar on “**Eco Friendly Textiles Changing the Fashion Industry**”, Kaamadhenu Arts and Science College, Erode, 27-Feb-20.
- Participated in the International Seminar on “**Contemporary Research and Innovations in Food and Textile Industry**” Mother Teresa Women’s University, Coimbatore, 9-Jan-20.
- Participated in the International Seminar on “**Application of Textiles and its job Opportunities**” Nandha Arts and Science College, Erode, 6-Jan-20.

- Participated in the National Seminar on “**Techniques and Methods to Write Academic Research Paper in Referred Journals and Book Chapters**” Kongu Arts and Science College, 19-Dec-19.
- Participated in the International Seminar on “**Colour Changing technique use in Textile**” Sasurie College of Arts and Science, Tirupur, 20-Dec-19.
- Participated in the National Symposium on “**Eco-Textiles and Green Consumerism**”, held at Avinashilingam institute for Home Science and higher Education for Women, on 20-Mar-19.
- Participated in the seminar on “**Academic Integrity and Plagiarism, Reference Manager (Mandelely) and Citation Analysis**”, held at PSG College of Arts and Science, on 24-Jan-18.
- Participated in the seminar on “**Nonwoven- Machinery- Products- Testing and Applications**” held at Kumaraguru College of Technology, on 26- Oct-17.
- National Seminar on ‘**Emerging Trends in Managements of Textile, Apparel and retail Industry**’, held at Sardar Vallabhbhai Patel International School of Textiles and Management, on 10-Nov-17.

Participation in Workshop

- Yugam’23, “**CAD Application in Fabric Structure**” South India’s Mega Techno Cultural Fest, held at Kumaraguru Institutions, Coimbatore, 1st March 2023.
- StartupTN and AIC Incubation Center NIFT-TEA Institute of Knitwear Fashion, “**Texathon 2.0**”, 6th and 7th-Jan-23.
- International Workshop, “The Textile Sector, Trade & Sustainability”, Sardar Vallabhai Patel International School of Textile and Management Autonomous Institute Under Ministry of Textile, Nov 11th-14th, 2022.
- NPTEL E-Awareness workshop on Jan 06th, IIT Madras, 2022.
- PSG College of Arts and Science: IPR “**Intellectual Property Rights**” 2020.
- AIC Incubation Center NIFT-TEA Institute of Knitwear Fashion” **Texathon**” 24-Dec-19. **Best Innovation Award.** (IInd Prize)

- Participated in “**Technology based Entrepreneurship Development Program with special focus in Garment Design and Fashion**” associated by Department of Costume Design and Fashion, PSG CAS and FICCIO FLO, organized at PSG College of Arts and Science, held on 04-Jan-19 to 02-Feb-19.

Participation in Faculty Development Program

- Seven Days Virtual Mode National Level Faculty Development Program “Regional Textiles of India in 2k22”, K.S.Rangasamy College of Arts And Science(Autonomous), Dec 29,2022-Jan 5, 2023.
- Online Faculty Development Program, “Biovalorisation: Trend and Prospects of Value-added Products”, National Institute of Technology Andhra Pradesh, 3-7 Jan, 2022.
- Online Faculty Development Program “Research Methodology and Pedagogy for Tertiary Education”, at Dr.N.G.P. Arts and Science College, Coimbatore, 15-Jun-2021,
- NACC Revised Accreditation Framework and OBE Assessment Methodology, at Dr.N.G.P. Arts and Science College, Coimbatore, 27-May & 02-Jun-2019.

Participation in Management Development Program

- Management Development Program on “Future of Synthetic Fibres in India” Centre for Textile Functions, Shirpur, 30th March 2022.
- Management Development Program on “Entrepreneurship Development in Textiles” Centre for Textile Functions, Shirpur, 23rd Feb 2022.
- AICTE-ISTE approved orientation/Refresher Programme on “Emerging Trends in Textile Technology” held on 14th to 20th Feb, 2022, by Giani Zail Singh Campus College of Engineering and Technology, Bathinda, Punjab.

Conference / Seminar / Workshop Organized

- National conference on Basic and Applied Science, Dr.N.G.P. Arts and Science College, 03-Mar-20.

Online Certificate Courses

- Coursera “Fashion Classification with Deep Learning for Beginners” March 31st, 2023.
- Coursera “Logo Design for a Fashion Website using Adobe Illustrator” March 31st, 2023.

Awards / Honors

Awards / Honors	Agency / Institute	Year of Award
Best Invention Award	AIC-NIFT TEA Incubation Centre for Textile and Apparels, Tirupur.	2023
Best Mentor Award	Dr.N.G.P. Arts and Science College, Coimbatore.	2022
Best Mentor Award	Dr.N.G.P. Arts and Science College, Coimbatore.	2020
Best Invention Award	AIC-NIFT TEA Incubation Centre for Textile and Apparels, Tirupur.	2019
Elite	NPTEL – Online Course	2019
Best Outgoing Student Award.	NIFT TEA College, Tirupur.	2016
Passed M.Sc. in Apparel Fashion Designing securing First class with Distinction.	NIFT TEA College, Tirupur.	2016
Passed Diploma in Multimedia and graphics technology securing First class with Distinction.	Avinashilingam University, Coimbatore	2007

