

Faculty Profile of Dr.K.Amutha



Dr.K.Amutha

Assistant Professor

Department of Textiles and Apparel Design

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Mobile No:9159440734

Research Area

- Natural Dyes
- Natural Fibres
- Sustainable Textiles

Education & Career

Education

Ph.D.,

Subject:Textiles and Apparel Design

Institution:Bharathiar University

Affiliated University:Bharathiar University

Year of Award: 2019

UGC-NET

Subject:Textiles and Apparel Design

Year of Award: 2013

M.Sc.,

Subject: Fashion Technology

Institution: Punjab Technical University, Jalandhar

Affiliated University: Punjab Technical University

Year of Award: 2012

MBA.,

Subject: Human Resources Management

Institution: Bharathiar University, Coimbatore

Affiliated University: Bharathiar University

Year of Award: 2011

B.Tech.,

Subject:Textile Technology

Institution: Bannari Amman Institute of Technology

Affiliated University: Bharathiar University, Coimbatore

Year of Award: 2002

Career**At Bharathiar University**

Assistant Professor : October 2014 to Till Date

Guest Faculty : October 2012 to October 2014

Assistant Technical Officer : August 2011 to October 2012

Past Experiences

Science and Spoken English Teacher: September 2006 to June 2008 at
Gannan Normal University, China

Engineering Science and Spoken English Teacher: September 2004 to June 2006 at North University of China, China

Testing Supervisor: May 2002 to June 2004 at S.P.Apparels, Avinashi, India.

Awards

Travel awards

Academic Awards

Membership

Professional Bodies

Academic Bodies

Board of Studies (BOS) - Member

1. M.Sc. in Textiles and Apparel Design, Bharathiar University

Period: 2015 – till date

2. Diploma in Garment Design and Making, Diploma in Apparel Mechanizing, BU- Community College Consultancy Centre (2021)

Other Institutions:

Period: 2022 – 2025 Course: B.Sc. in Costume Design and Fashion

1. Kongunadu Arts and Science College, Coimbatore

2. Sri Krishna Arts and Science College, Coimbatore

Period: 2023 – 2026 Course: B.Sc. in Textiles and Fashion Designing

1. Affiliated Colleges of Periyar University, Salem

Visits

Country : China

Date of Visit : 4 years

Purpose of Visit : Foreign Expert (English Teaching)

Collaborators

Others

Projects

Funded Projects(National Level)

- [Ongoing - 01](#)
- [Completed - 01](#)

1. Rashtriya Uchchatar Skiksha Abhiyan (RUSA-BEICH)

Title of the project :Design and development of eco-friendly soft toys

Funding Agency : RUSA-BEICH

Amount : Rs.5 Lakhs

Duration :2020-2021

1. (RUSA-BCTRC)

Title of the project : Designing of radiation protective clothing

Funding Agency : (RUSA-BCTRC)

Amount : Rs.19.38 Lakhs

Duration : 2021-2022

Consultancy Projects

- [Ongoing](#)
- [Completed](#)

Research Guidance

- [Post Doc](#)
- [Ph.D](#)
- [M.Phil](#)
- [M.Sc.](#)

Ongoing

1. Name of the candidate: Ms. Ramya.K

Title of the Dissertation: Technical Textiles (Broad Area)

2. Name of the candidate: Ms. Kaitepalli Umadevi

Title of the Dissertation: Technical Textiles (Broad Area)

3. Name of the candidate: Ms. S. Mythili

Title of the Dissertation: Technical Textiles (Broad Area)

4. Name of the candidate: Ms. R. Hemaprabhaa

Title of the Dissertation: Technical Textiles (Broad Area)

Awarded

Ongoing

Completed

Ongoing

5

Completed

Sl. No. : 38

Name of the candidate:

Title of the Dissertation:

Year of Award: 2022-2023

Sl. No. : 37

Name of the candidate:

Title of the Dissertation:

Year of Award: 2022-2023

Sl. No. : 36

Name of the candidate:

Title of the Dissertation:

Year of Award: 2022-2023

Sl. No. : 35

Name of the candidate:

Title of the Dissertation:

Year of Award: 2022-2023

Sl. No. : 34

Name of the candidate:

Title of the Dissertation:

Year of Award: 2022-2023

Sl. No. : 33

Name of the candidate: Hemaprabhaa R

Title of the Dissertation: Development of Underarm Sweat Pad using Banana Core Stem Fiber

Year of Award: 2021-2022

Sl. No. : 32

Name of the candidate: Paulami Halder

Title of the Dissertation: Tye and Dye of Cotton Fabric by Over Dyeing Method

Year of Award: 2021-2022

Sl. No. : 31

Name of the candidate: Preethi S

Title of the Dissertation: Natural Dyeing of Banana Fiber for Accessories Making

Year of Award: 2021-2022

Sl. No. : 30

Name of the candidate: Sharmila S

Title of the Dissertation: Development of Eco-Friendly Herbal Finished Sanitary Napkin

Year of Award: 2021-2022

Sl. No. : 29

Name of the candidate: Kaitepalli Umadevi

Title of the Dissertation: Textile Screen Printing Using Natural Dyes

Year of Award: 2020-2021

Sl. No. : 28

Name of the candidate: Anu Deeitchikha.K.N

Title of the Dissertation: Development of Scouring Pad from Natural Fibers

Year of Award: 2020-2021

Sl. No. : 27

Name of the candidate: Roselin Blessy A.J

Title of the Dissertation: Development of Footwear From Tailoring Waste Fabric

Year of Award: 2020-2021

Sl. No. : 26

Name of the candidate: Nagarani.B

Title of the Dissertation: A Study on Up-cycling of Old School Uniform into School Bags and Pouches

Year of Award: 2020-2021

Sl. No. : 25

Name of the candidate: Kiruthika.S

Title of the Dissertation: Non-woven Development for Domestic Application

Year of Award: 2020-2021

Sl. No. : 24

Name of the candidate: Haripriya.R

Title of the Dissertation: Study on Eco-Friendly Sponge for Cosmetic Application

Year of Award: 2019-2020

Sl. No. : 23

Name of the candidate: A.Abisha

Title of the Dissertation: Survey on Eco-Friendly Bandage

Year of Award: 2019-2020

Sl. No. : 22

Name of the candidate: A.Mary Cinderlla Nancy

Title of the Dissertation: A Study about Anti-bacterial Moisturizer Finish on Compression Stocking

Year of Award: 2019-2020

Sl. No. : 21

Name of the candidate: R.Aswathi

Title of the Dissertation: Design and Development of Classical Fusion Dance Costume

Year of Award: 2019-2020

Sl. No. : 20

Name of the candidate: R.M Nivetha

Title of the Dissertation: Consumer Survey on Screen Printing using Natural Dyes

Year of Award: 2019-2020

Sl. No. : 19

Name of the candidate: M.Soundarya

Title of the Dissertation: Consumer Survey on Eco-Friendly Sanitary Napkins

Year of Award: 2019-2020

Sl. No. : 18

Name of the candidate: Sudha A

Title of the Dissertation: Extraction and Characterization of Natural Fibre from Banana Inflorescence Bract

Year of Award: 2018-2019

Sl. No. : 17

Name of the candidate: Ramya K

Title of the Dissertation: Textile Screen Printing using Natural Dyes

Year of Award: 2018-2019

Sl. No. : 16

Name of the candidate: Indhumathi E

Title of the Dissertation: Extraction of Natural Dye from *Majidea zanguebarica* Flower

Year of Award: 2018-2019

Sl. No. : 15

Name of the candidate: Karthik K.

Title of the Dissertation: Extraction of Natural Dye from *Spathodeacompanulata* Fruit.

Year of Award: 2018-2019

Sl. No. : 14

Name of the candidate: UdhayaPavithra A

Title of the Dissertation: Dyeing of Cotton Fabric with Natural Dye Extract from Spent Coffee Powder using Ultra-sonicator

Year of Award: 2017-2018

Sl. No. : 13

Name of the candidate: Priyadharshini M

Title of the Dissertation: Dyeing of Cotton, Silk and Bamboo Fabric with Natural Dye Extract from Cassava Leaves

Year of Award: 2017-2018

Sl. No. : 12

Name of the candidate: Krishnendu P

Title of the Dissertation: Dyeing of Cotton, Bamboo and Silk Fabric with Natural Dye Extract from Wild Turmeric Leaves

Year of Award: 2017-2018

Sl. No. : 11

Name of the candidate: Deepika C

Title of the Dissertation: Development of Sustainable Clothing from Handloom Cloth

Year of Award: 2017-2018

Sl. No. : 10

Name of the candidate: Nandhini M

Title of the Dissertation: Design and Development Perspectives of Reusable ID Card Holder

Year of Award: 2016-2017

Sl. No. : 9

Name of the candidate: Sharmila A

Title of the Dissertation: Design and Development of Yoga Costume for Kids

Year of Award: 2016-2017

Sl. No. : 8

Name of the candidate: Sri Ram A

Title of the Dissertation: Dyeing of Cotton Fabric with Natural Dye Extract from *Argemone mexicana* Leaves

Year of Award: 2015-2016

Sl. No. : 7

Name of the candidate: Sri Aarthiee B

Title of the Dissertation: Dyeing of Cotton and Silk Fabric with Natural Dye Extract from Turmeric Leaves

Year of Award: 2015-2016

Sl. No. : 6

Name of the candidate: Shanmuga Priya V

Title of the Dissertation: Development of Film using Biopolymer and *Vitex negundo* for Biomedical Application

Year of Award: 2015-2016

Sl. No. : 5

Name of the candidate: Saranya K

Title of the Dissertation: Development of Eco-friendly Scouring Pad

Year of Award: 2015-2016

Sl. No. : 4

Name of the candidate: Ranjith C

Title of the Dissertation: UV Protective Finish on Cotton Fabric using Extraction from *Ziziphus jujuba* Leaves

Year of Award: 2014-2015

Sl. No. : 3

Name of the candidate: Priyanka R

Title of the Dissertation: Design and Development of Eco-Friendly, Disposable Nebulizer Face Mask

Year of Award: 2014-2015

Sl. No. : 2

Name of the candidate: Kasthuri B

Title of the Dissertation: Comparative Study of Washable Underarm Pads using Bamboo Fabric and Cotton Fabric with Herbal Finish

Year of Award: 2014-2015

Sl. No. : 1

Name of the candidate: Janarthini K P

Title of the Dissertation: Dyeing of Cotton and Banana/Cotton Blended Fabric with Natural Dye Extract from Banana Leaves

Year of Award: 2014-2015

Research Publication

- [International](#)
- [National](#)
- [Patents](#)

- [Conferences](#)
- [Books/Chapters](#)
- [Database](#)

National (India)

Title: **DYEING OF TEXTILES USING DYES DERIVED FROM AGRO-WASTE**

Patent No. **429599**; Date: **21/04/2023**

Name of Inventor: **AMUTHA. K**

2018-2022

5 **Amutha K***, Grace Annapoorani S, P Sakthivel, Sudhapriya N (2022). Ecofriendly Dyeing of Textiles with Natural Dyes Extracted from Commercial Food Processing Waste Materials. *Journal of Natural Fibers*. <https://doi.org/10.1080/15440478.2021.1993506>

4 Ramasamy, S., **Karuppuchamy, A.**, Jayaraj, J. J., Suyambulingam, I., Siengchin, S., & Fischer, S. (2022). Comprehensive characterization of novel Robusta (AAA) banana bracts fibers reinforced polylactic acid based biocomposites for lightweight applications. *Polymer Composites*, 43(11), 8569-8580. <https://doi.org/10.1002/pc.27025>

3 **K. Amutha***, A. Sudha & D. Saravanan (2022). Characterization of Natural Fibers Extracted from Banana Inflorescence Bracts. *Journal of Natural Fibers*, 19 (3), 872-881. <https://doi.org/10.1080/15440478.2020.1764437>

ISSN: 1544-046X, **Impact factor: 2.622**; SNIP: 0.305; SJR: 0.752

2 **Amutha K***, Grace Annapoorani S, Sudhapriya N (2020). Dyeing of textiles with natural dyes extracted from *Terminalia arjuna* and *Thespesia populnea* fruits. *Industrial Crops and Products*, 148. <https://doi.org/10.1016/j.indcrop.2020.112303>

ISSN: 0926-6690, **Impact factor: 4.244**; SNIP: 1.678; SJR: 0.961

1 A.Reshma, V.Brindha Priyadarisini, **K. Amutha*** (2018). Sustainable antimicrobial finishing of fabrics using natural bioactive agents - a review, *Int. J. Life Sci. Pharma Res.* ISSN: 2250-0480, 8(4): (L) 10-20.

Alumini Reflections: