

PERSONAL DATA**Ph.D. Student & Graduate Assistant**

Polymer, Fiber, and Textile Sciences

Department of Textiles, Merchandising and Interiors

College of Family and Consumer Sciences

The University of Georgia

312 Dawson Hall, Athens, GA 30602, University of Georgia, USA

Email: tarikul@uga.edu

Phone: 706-765-5667 (M)

CAREER PROFILE

Highly motivated, achievement-oriented textiles and materials researcher with over 10 years of experience in academia, industry, and research organization with expertise in fiber, polymer, nonwovens, composites, protective clothing, natural dyes, and sustainability. Working in a PhD program major in polymers, fibers, and Textile Sciences. Managed multiple Government research projects, including funding from the Ministry of Science and Technology Bangladesh, industry collaboration, budget management, data analysis, and reporting.

[LinkedIn](#)[Google Scholar](#)[ResearchGate](#)[Work](#)**KEY CAPABILITIES**

- **Nonwoven Technology:** Practical experience in nonwoven preparation, like spun-bond, melt-blown, needle-punched, hydroentangled fabric with testing requirements for PPE production, and other applications.
- **Natural Fibers & Dyes:** Experienced in developing natural products from bio-based fibers, synthesis of natural dyes, bio-mordants, and their applications.
- **Polymer & Composites:** Experienced in the synthesis of natural fibers and polymers, development of naturally reinforced composites, nanocomposites, bio-composites, and hybrid composite materials.
- **Smart & Protective Textiles:** Practical experience in innovative clothing development using chemically finished conductive polymeric materials, flame retardant textiles, and phase change materials.
- **Sustainability:** Focusing on sustainability using natural resources, biodegradable, non-toxic, and low carbon emission.

RESEARCH PROFILE

- **Google Scholar:** Citations: **1000+**
<https://scholar.google.com/citations?hl=en&authuser=1&user=LH1wnrkAAAAJ>
- **Peer-review:** Paper review: **55**
<https://www.webofscience.com/wos/author/record/O-5227-2018>

EDUCATION**Degree****Ph.D. in Polymer, Fiber and Textile Sciences, The University of Georgia, USA (2023-present)**

Adviser: Dr. Gajanan S. Bhat, Professor of Polymer, Fiber and Textile Sciences, University of Georgia, Athens, 30602, United States.

M.Sc. in Textile Engineering, Bangladesh University of Textiles (BUTEX), BD (2017-2019)

Adviser: Adnan Maroof Khan, Assistant Professor, Apparel Engineering, BUTEX, Bangladesh.

B.Sc. in Textile Engineering, Mawlana Bhashani Sci. & Tech. University, BD (2011-2014)

Adviser: Abu Bakkar Siddique, Associate Professor, Textile Engineering, MBSTU, Bangladesh.

PROFESSIONAL EMPLOYMENT**Graduate Teaching Assistant, Department of Textiles, Merchandising and Interiors (2021-present)**

- The University of Georgia, USA

Assistant Professor, Department of Textile Engineering (2021-present)

Jashore University of Science and Technology, Jashore-7408, Bangladesh

Lecturer, Department of Textile Engineering (2018-2021)

Jashore University of Science and Technology, Jashore-7408, Bangladesh

Lecturer, Department of Apparel Merchandising and Management (2018-2018)

BGMEA University of Fashion and Technology (BUFT), Bangladesh

Lecturer, Department of Textile Engineering (2016-2018)

Port City International University (PCIU), Chittagong, Bangladesh

TEACHING EXPERIENCE**Department of Textiles, Merchandising and Interiors, The University of Georgia, USA**

- Introduction to Fashion Merchandising, Graduate Program (M.Sc.), Fall 2023

Department of Textile Engineering, Jashore University of Science and Technology, Bangladesh

- Introduction to Textile Engineering, Apparel Engineering-Part I, II, III, & IV, Textile Management and Law, Mechanics of Textile Structure, Operation, and Supply Chain Management

Department of Apparel Merchandising and Management, BUFT, Bangladesh

- Clothing Materials and Store Management, ISO and Compliance, Cutting Room Management, Sewing Technology

AREA OF EXPERTISE/RESEARCH FOCUS

- nonwovens (spun-bond, melt-blown, needle-punch, hydroentangled)
- filtration (air, gas, liquid)
- bioplastics
- composites materials
- fiber and polymers
- functional textiles (anti-microbial, conductive, and flame-retardant textiles)

PROFESSIONAL PRODUCTIVITY (2021-2025)**2025**

1. **Islam, T.**, Rasel, S.M., Roy, R. et al. Nature-based flame-retardant finish for cotton fabric using Banana pseudostem saps. Cellulose (2025). <https://doi.org/10.1007/s10570-025-06440-y>
2. **Islam, T.**, Shikder, A. A. R., Hossen, M. S., Uddin, M. M., Hossain, M. T., & Bashar, M. M. (2025). Nature-derived flame retardant for cotton fabrics with green coconut shells. *ACS Chemical Health and Safety*, 32(1), 57–65. <https://doi.org/10.1021/acs.chas.4c00050>
3. **Islam, T.**, Hossain, M. M., & Covington, S. (2025). Natural fibers towards fashion sustainability: A review of raw materials, production, application, and perspective. *Journal of Natural Fibers*, 22(1). <https://doi.org/10.1080/15440478.2025.2462218>
4. Khan, M. M., Rokonzaman, M., Sayeed, A., **Islam, T.**, Paul, D., Moula, A. T. M. G., Jahan, M. S., & Das, S. C. (2025). Enhancing the performance of lignocellulosic textile fabrics by chemical treatment and filler modification. *Journal of Natural Fibers*, 22(1). <https://doi.org/10.1080/15440478.2025.2457507>
5. Rahman, M., Kabir, M., **Islam, T.**, Wang, Y., Meng, Q., Liu, H., Chen, S., & Wu, S. (2025). Curcumin-loaded ZIF-8 nanomaterials: Exploring drug loading efficiency and biomedical performance. *ACS Omega*, 10(3), 3067–3079. <https://doi.org/10.1021/acsomega.4c09945>

6. Mahmud, S. H., Das, S. C., Saha, A., **Islam, T.**, Paul, D., Akram, M. W., Jahan, M. S., Mollah, M. Z. I., Gafur, M. A., & Khan, R. A. (2025). Effect of glass fiber hybridization and radiation treatment to improve the performance of sustainable natural fiber-based hybrid (jute/glass) composites. *Next Sustainability*, 6(100104), 100104. <https://doi.org/10.1016/j.nxsust.2025.100104>
7. Hossain, M. T., Reza, S., Islam, M. A., Mohebbullah, M., & **Islam, T.** (2025). Progress and prospects of chemical functionalization of textiles via nanotechnology. *ACS Applied Engineering Materials*, 3(1), 1–20. <https://doi.org/10.1021/acsaenm.4c00644>
8. Saha, R., Munshi, M. H., Akter, M., Shikder, A. A. R., & **Islam, T.** (2025). Synthesis techniques, fundamental properties, and emerging applications of nanocomposites: A comprehensive review. *SPE Polymers*, 6(2). <https://doi.org/10.1002/pls2.70004>
9. Alam, M. R., Gharami, M., Dev, B., Rahman, M. A., & **Islam, T.** (2025). Next-generation materials for multifunctional applications: Design progress and prospects of 2D MXene-enabled hybrid architectures. *Advanced Materials Interfaces*. <https://doi.org/10.1002/admi.202400681>
10. Ghosh, J., Rupanty, N. S., Khan, F., Noor, T., Jahangir, R., Mirmohammadsadeghi, S., & **Islam, T.** (2025). Grafting modification for textile functionalization: innovations and applications. *Discover Applied Sciences*, 7(1). <https://doi.org/10.1007/s42452-024-06364-5>

2024

1. Shahid, M. A., Habib, M. A., Hossain, I., Limon, M. G. M., **Islam, T.**, & Bhat, G. (2024). Eco-friendly jute-based hybrid nonwoven fabric for packaging applications. *ACS Omega*, 9(44), 44639–44645. <https://doi.org/10.1021/acsomega.4c07255>
2. **Islam, T.**, Mushtari, F., Repon, M. R., & Rahaman, M. H. (2024). Marine microfiber pollution. In *Microfiber Pollution* (pp. 102–123). Boca Raton: CRC Press. <https://doi.org/10.1201/9781003529903-6>
3. Islam, T., Repon, M. R., Alim, M. A., **Islam, T.**, & Shukhratov, S. (2024). Detection and characterisation techniques for microfiber in wastewater. In *Microfiber Pollution* (pp. 63–81). Boca Raton: CRC Press. <https://doi.org/10.1201/9781003529903-4>
4. Kabir, M., Hasan, M. K., Rafi, M. N., Repon, M. R., **Islam, T.**, Saha, J., & Rahman, M. (2024). Biowaste transformation to functional materials: Structural properties, extraction methods, applications, and challenges of silk sericin. *ChemistrySelect*, 9(42). <https://doi.org/10.1002/slct.202403777>
5. Shiddique, M. N. A., Islam, K., **Islam, T.**, Hosen, M. D., Islam, M. A., Islam, M. I., & Bhat, G. (2024). Bio-based packaging materials from post-consumer cotton textiles. *Advances in Polymer Technology*, 2024(1). <https://doi.org/10.1155/2024/5652311>
6. Hossen, M. S., **Islam, T.**, Hoque, S. M., Islam, A., Bashar, M. M., & Bhat, G. (2024). Synthesis, activation, and characterization of carbon fiber precursor derived from jute fiber. *ACS Omega*. <https://doi.org/10.1021/acsomega.4c01268>
7. Hassan, M. N., Rokonzaman, M., Razzaque, A., Rahim, M. A., Hossain, A., & **Islam, T.** (2024). Effect of spandex linear density and twist multiplier on the properties of core spun yarn and denim fabric. *SPE Polymers*. <https://doi.org/10.1002/pls2.10149>
8. **Islam, T.**, Hossain, S., Jalil, M. A., Mujahid, S. M. Z., Bhounik, T. K., & Mahmud, R. U. (2024). Development of reinforced polyester hybrid composites using varied ratios of Jack tree and jute fibers with eggshell filler. *Mechanics of Composite Materials*. <https://doi.org/10.1007/s11029-024-10228-9>
9. Toki, G. F. I., Alave, R. K. K., Dutti, S. F. J., Sharif, N., Md, Mia, R., Dutta, S., & **Islam, T.** (2024). Sustainable antimicrobial functionalization of cotton with lavender oil and jackfruit latex. *Surface Innovations*, 1–10. <https://doi.org/10.1680/jsuin.24.00058>
10. **Islam, T.**, Chaion, M. H., Jalil, M. A., Rafi, A. S., Mushtari, F., Dhar, A. K., & Hossain, S. (2024). Advancements and challenges in natural fiber-reinforced hybrid composites: A comprehensive review. *SPE Polymers*. 2024;1-26. <https://doi.org/10.1002/pls2.10145>

11. Hossain, M. M., **Islam, T.**, Jalil, M. A., Rakibuzzaman, S. M., Surid, S. M., Zabed, M. R. I., Talukder, A., & Hossain, S. (2024). Advancements of eco-friendly natural antimicrobial agents and their transformative role in sustainable textiles. SPE Polymers. <https://doi.org/10.1002/pls2.10135>
12. Hosen, M. I., Pranta, A. D., Hasan, M. M., Islam, M. S., **Islam, T.**, Zohora, F. T., Islam, M. I., Bashar, M. M., & Bhat, G. (2024). Preparation and application of black cumin seed oil emulsion with enhanced stability for antimicrobial treatment of cellulosic fabric. Fibers and Polymers. <https://doi.org/10.1007/s12221-024-00601-9>
13. **Islam, T.**, Khan, A. M., Karim, M. R., Hossain, S., & Jalil, M. A. (2024). Assessing the dyeing efficacy and environmental impact of cotton fabric dyed with sawmill bio-waste extracts and metal salts. SPE Polymers. <https://doi.org/10.1002/pls2.10136>
14. Islam, K., **Islam, T.**, Shiddique, M. N. A., Roy, M. N., Fahimuzzaman, M., Islam, M. A., Bashar, M. M., & Khan, M. A. (2024). Utilization of jute waste for sustainable Eco-film preparation. ACS Sustainable Resource Management, 1(3), 517–529. <https://doi.org/10.1021/acssusresmgt.3c00123>
15. Hossain, M. M., **Islam, T.**, Jalil, M. A., Rakibuzzaman, S. M., Surid, S. M., Zabed, M. R. I., Talukder, A., & Hossain, S. (2024). Advancements of eco-friendly natural antimicrobial agents and their transformative role in sustainable textiles. SPE Polymers. <https://doi.org/10.1002/pls2.10135>
16. Hossain, M. T., Repon, M. R., Shahid, M. A., Ali, A., & **Islam, T.** (2024). Progress, prospects and challenges of MXene integrated optoelectronics devices. ChemElectroChem. <https://doi.org/10.1002/celec.202400008>
17. Nizam, M. E. H., Rasel, M. M., Ujevic, D., Khan, A. N., & **Islam, T.** (2024). Evaluation of basic shirt and Pant fit using analytic Hierarchy Process-AHP and 3D CLO for 20-25 years Bangladeshi men. Indian Journal of Science and Technology, 17(21), 2128–2137. <https://doi.org/10.17485/ijst/v17i21.3034>
18. Hossain, S., Jalil, M. A., **Islam, T.**, Mahmud, R. U., Kader, A., & Islam, M. K. (2024). Enhancement of antibacterial and UV protection properties of blended wool/acrylic and silk fabrics by dyeing with the extract of Mimulus elengi leaves and metal salts. Heliyon, e25273, e25273. <https://doi.org/10.1016/j.heliyon.2024.e25273>
19. **Islam, T.**, Md. Rashedul Islam, K., Hossain, S., Abdul Jalil, M., & Mahbubul Bashar, M. (2024). Understanding the fastness issues of natural dyes. In Dye Chemistry - Exploring Color From Nature to Lab (pp. 1-26). IntechOpen. <https://doi.org/10.5772/intechopen.1005363>
20. Repon, M.R., Islam, T., **Islam, T.**, & Alim, M.A. (2024). Manufacture of Polymer Composites from Plant Fibers: In Plant Biomass Derived Materials: Sources, Extractions, and Applications (pp. 363-382), vol. 2, Wiley, ISBN: 978-3-527-35076-6, <https://www.wiley.com/en-us/Plant+Biomass+Derived+Materials>
21. Jalil, M.A., Belowar, S., Islam, S., Hossain, S., & **Islam, T.** (2024). Rubber in the Textile Industry: Enhancing Performance and Functionality. In Advances in chemistry research. Volume 87. (2024). Advances in Chemistry Research. <https://doi.org/10.52305/qrbz3506>

2023

1. Ahmed, B., Hossain, M. J., Al Parvez, A., Talukder, A., Al-Amin, M., Al Mahmud, M. A., & **Islam, T.** (2023). Recent advancements of MXene/nanocellulose-based hydrogel and aerogel: A review. Advanced Energy and Sustainability Research. <https://doi.org/10.1002/aesr.202300231>
2. Mollick, S., Repon, M. R., Haji, A., Jalil, M. A., **Islam, T.**, & Khan, M. M. (2023). Progress in self-cleaning textiles: parameters, mechanism and applications. Cellulose. <https://doi.org/10.1007/s10570-023-05539-4>
3. Mollick, S., **Islam, T.**, Miah, M.R., Riad, M.M.H., Chakrabarty, T., Hossen, M.T., & Islam, M.T. (2023). Development of Antibacterial Cotton Fabric Utilizing Microencapsulation Technique from Dragon Fruit Peel Extract, Fibers and Polymers. <https://doi.org/10.1007/s12221-023-00353-y>

4. Repon, M., Mikučionienė, D., Jurkonienė, S., & **Islam, T.** (2023). Application Of Waste-Derived Natural Dyes for Cotton Coloration Utilizing Contemporary Practice. Resource-Saving Technologies of Apparel, Textile & Food Industry, International Scientific-Practical Internet-Conference of Young Scientists & Students, 23.
5. Alam, M., Biswas, M., Hasan, M. M., Hossain, M. F., Zahid, M. A., Al-Reza, M. S., & **Islam, T.** (2023). Quality attributes of the developed banana flour: Effects of drying methods. *Heliyon*, 9(7), e18312. <https://doi.org/10.1016/j.heliyon.2023.e18312>
6. Shikder, A. A. R., Mamun, M. A. A., **Islam, T.**, Khan, M. H. K., & Uddin, M. Z. (2023). Fire retardant properties enhancement of cotton twill fabric using pumpkin (*Cucurbita maxima*) extract. *Heliyon*, 9(4), e14806. <https://doi.org/10.1016/j.heliyon.2023.e14806>
7. Repon, M., Islam, T., **Islam, T.** et al. (2023). Cleaner pathway for developing bioactive textile materials using natural dyes: a review. *Environmental Science and Pollution Research*, 30, 48793–48823. <https://doi.org/10.1007/s11356-023-26131-0>
8. Islam, T., Repon, M., **Islam, T.** et al. (2023). Impact of textile dyes on health and ecosystem: a review of structure, causes, and potential solutions. *Environmental Science and Pollution Research*, 30, 9207–9242. <https://doi.org/10.1007/s11356-022-24398-3>

2022

1. Hossain, S., Jalil, M. A., **Islam, T.**, & Rahman, M. M. (2022). A low-density cellulose rich new natural fiber extracted from the bark of jack tree branches and its characterizations. *Heliyon*, 8(11), e11667. <https://doi.org/10.1016/j.heliyon.2022.e11667>
2. Kundu, C. K., Hossen, M. T., **Islam, T.**, Mollick, S., Song, L., & Hu, Y. (2022). Flame retardant coatings from bio-derived chitosan, sodium alginate, and metal salts for polyamide 66 textiles. *ACS Omega*, 7(35), 30841–30848. <https://doi.org/10.1021/acsomega.2c02466>
3. Kibria, G., Repon, M. R., Hossain, M. F., **Islam, T.**, Jalil, M. A., Aljabri, M. D., & Rahman, M. M. (2022). UV-blocking cotton fabric design for comfortable summer wears: factors, durability and nanomaterials. *Cellulose*, 29(14), 7555–7585. <https://doi.org/10.1007/s10570-022-04710-7>
4. Alim, M. A., Repon, M. R., **Islam, T.**, Mishfa, K. F., Jalil, M. A., Aljabri, M. D., & Rahman, M. M. (2022). Mapping the progress in natural dye-sensitized solar cells: Materials, parameters and durability. *ChemistrySelect*, 7(23). <https://doi.org/10.1002/slct.202201557>
5. Repon, M. R., Sadia, H. T., **Islam, T.**, Rahman, M. M., & Karim, M. R. (2022). Systematic pad dry cure technique for augmenting the flame resistance functionality of jute fabric. *Cleaner Engineering and Technology*, 8(100492), 100492. <https://doi.org/10.1016/j.clet.2022.100492>
6. Rahman, H., Yeasmin, F., **Islam, T.**, Hasan, M., Uddin, M. B., & Khan, R. A. (2022). Fabrication and investigation of the physico-mechanical properties of Jute-PALF reinforced LLDPE hybrid composites: Effect of gamma irradiation. *Heliyon*, 8(4), e09287. <https://doi.org/10.1016/j.heliyon.2022.e09287>
7. Alam, M. R., **Islam, T.**, Repon, M. R., & Hoque, M. E. (2022). Carbon-based polymer nanocomposites for electronic textiles (e-textiles). In *Advanced Polymer Nanocomposites* (pp. 443–482). Elsevier. <https://doi.org/10.1016/B978-0-12-824492-0.00020-9>
8. Islam, M. T., Islam, T., **Islam, T.**, & Repon, M. R. (2022). Synthetic dyes for textile colouration: Process, factors and environmental impact. *Textile & Leather Review*, 5, 327–373. <https://doi.org/10.31881/tlr.2022.27>
9. Paul, T. K., Jalil, T. I., Parvez, M. S., Repon, M. R., Hossain, I., Alim, M. A., **Islam, T.**, & Jalil, M. A. (2022). A prognostic based fuzzy logic method to speculate yarn quality ratio in jute spinning industry. *Textiles*, 2(3), 422–435. <https://doi.org/10.3390/textiles2030023>
10. Islam, M. M., Hossain, M. T., Repon, M. R., **Islam, T.**, Kibria, G., & Jalil, M. A. (2022). Seam strength prediction for different stitch types considering stitch density of cotton woven fabrics. *Textile & Leather Review*, 5, 53–69. <https://doi.org/10.31881/tlr.2021.34>

2021

1. Akter, N., Repon, M. R., Mikučionienė, D., Jalil, M. A., **Islam, T.**, & Karim, M. R. (2021). Fabrication and characterization of stretchable denim fabric using core spun yarn. *Heliyon*, 7(12), e08532. <https://doi.org/10.1016/j.heliyon.2021.e08532>

2. Repon, MR, **Islam, T.**, Sadia, HT, Hossen, S., Mikucioniene, D., Kibria, G., Kaseem, M. (2021). Development of Antimicrobial Cotton Fabric Impregnating AgNPs utilizing contemporary practice, Coatings, 2021, 11, 1413. <https://doi.org/10.3390/coatings11111413>
3. Karim, MR., **Islam, T.**, Repon, MR., Al Hamim, A., Rashid, MA., & Jalil, MA. (2021). Exploitation of seawater for cotton and polyester fabrics colouration. Heliyon, 7(5), e07059. <https://doi.org/10.1016/j.heliyon.2021.e07059>
4. Hossen, M.T., **Islam, T.**, Mahee, E.I, Reza, Z.T., Rahman, M., Mahmud, M.S. (2021). A comprehensive study on Physico-Mechanical characteristics of Okra fibre (Abelmoschus esculentus) for textile applications. Indian Journal of Science and Technology, 14(9), 765–775. <https://doi.org/10.17485/ijst/v14i9.2268>
5. Alam, M.R, **Islam, T.**, Rahman, M., Antor, M.A.A.N., Rahman, R., Tamanna, T.A. (2021). Sustainable denim fabric washing with post-used rubber shoe sole: An eco-friendly alternative of Pumice stone. Indian Journal of Science and Technology, 13(48), 4723–4731. <https://doi.org/10.17485/ijst/v13i48.1974>
6. Repon, MR., **Islam T.**, Rahman M, Mikučionienė D, Malek A, Jalil MA. (2021). Characterisation of CVC Yarn with Different Drafting Ratios in Vortex Spinning. FIBRES & TEXTILES in Eastern Europe, 29, 6(150): 58-62. <https://doi.org/10.5604/01.3001.0015.2723>
7. Repon, MR., **Islam, T.**, Tus Sadia, H., Jalil, MA., Karim, MR., & Munir, MU. (2021). Stretchable denim Properties Dependency on Industrial Washing Techniques. Vlakna a Textil (Fibres and Textiles), 28(2), 75-81
8. Repon, M. R., Alam Siddiquee, N., Abdul Jalil, M., Mikučionienė, D., Karim, M. R., & **Islam, T.** (2021). Flame retardancy enhancement of jute fabric using chemical treatment. Tekstilec, 64(1), 70–80. <https://doi.org/10.14502/tekstilec2021.64.70-80>

Research Grants

- **Research Cell, Jashore University of Science and Technology (2022-2023)**
 - Cellulose-based flame-retardant fabric treated by green coconut shell extract and phytic acid. [\$6250.00]
- **Research Cell, Jashore University of Science and Technology (2021-2022)**
 - Revival of blue economy with controlled fermentation, indigo extraction, and microbial redox-dyeing process [\$3750.00]
- **Research Cell, Jashore University of Science and Technology (2020-2021)**
 - Development of Pale-Jute Fiber Blended Plain Woven Fabric Reinforced Polyester Composite: A Substitute of Corrugated Sheet for Roofing. [\$3750.00]
- **R&D, Ministry of Science & Technology (MoST), Bangladesh (2020-2021)**
 - Dyeing of Cotton Knitted Fabric with Natural Dye Extracted from Mahogany: Assessment of Mordanting Effect on Fastness Properties. [\$1125.00]
- **Research Cell, Jashore University of Science and Technology (2019-2020)**
 - Analysis the Impact of Crinkle Finish on Denim Shirt by Resin Treatment. [\$1875.00]
- **R&D, Ministry of Science & Technology (MoST), Bangladesh (2019-2020)**
 - Development of Eco-Friendly Anti-Odor Socks and Analysis of the Impact of Anti-Microbial Finish Extracted from Neem Leaf. [\$875.00]

AWARDS

- **Graduate Assistantship (2023-2027)**
 - Department of Textiles, Merchandising, and Interiors, University of Georgia, Athens, 30602, United States
- **Doctoral Fellowship Award (2023-2027)**
 - Outstanding scholarship for graduate students \$7000.00/Years [\$28000.00]
- **Endsley Perifer Research Award 2024 (2023-2024)**
 - Faculty of Family, and Consumer Science, University of Georgia, Athens, United States. Outstanding award for publishing good quality scholarly articles [\$1500.00]

PROFESSIONAL TRAINING AND CERTIFICATIONS**Filtration Expert - CFSS (2024)**

- World Filtration Institute, United States.

Research Academy, Elsevier (2022)

- Empowering knowledge on ethical publishing: Mastering the art of identifying predatory, fake, and cloned journals

Research Academy, Elsevier (2021)

- Essentials of writing research articles for high-impact journals

ACS Science Talk on, ACS (2021)

- Dye-sensitized Electron Transfer

BrightTalk (2021)

- How to publish an eBook?

DKTE, Society of Textile Engineering Institute, Ichalkaranji, India (2021)

- Innovation and Textiles-Products and Process (ITPP-21)

ACS, India (2020)

- ACS On Campus Training

Web of Science (2019)

- Basic Series, Web of Science (Clarivate Analytics)

Jashore University of Science and Technology, Jashore-7408, Bangladesh (2019)

- Skill Development Training for University Teachers

Port City International University, PCIU, Chittagong, Bangladesh (2016)

- Faculty Training and Development

Comfit Composite Knit Ltd., Mirzapur, Tangail, Bangladesh (2015)

- Industrial Training (Internship)

REFERENCES**[1] Dr. Gajanan S. Bhat**

Professor

Department of Textiles, Merchandising and Interiors

College of Family and Consumer Sciences

The University of Georgia

321 Dawson Hall, 305 Sanford Dr., Athens, GA 30602, USA

Phone: 706-542-4888 (M), Email: gbhat@uga.edu

Relation: Academic Supervisor

[2] Adnan Maroof Khan

Assistant Professor

Department of Apparel Engineering

Bangladesh University of Textiles (BUTEX)

Tejgaon, Dhaka, Bangladesh

Phone: 01722202322 (M), Email: adnanmaroof@ae.butex.edu.bd

Relation: Academic Supervisor