Curriculam Vita
Kanish Fatama

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IN RESEARCH COMMUNITY

Google Scholar iD:
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FIELD OF INTERESTS

Footwear and Leather Science, Environmental Management, Material Science.

PROFESSIONAL EXPERIENCE

Organization : Leather Research Institute, BCSIR
Designation : Senior Scientific Officer
Time period : 01.01.2020- till now

Organization : Leather Research Institute, BCSIR
Designation : Scientific Officer
Time period : 03.02.2013- 31.12.2019

Organization : Institute of Leather Engineering and Technology,Dhaka University
Designation : Part Time Lecturer
Time period : 01.01.2011-31.11.2013

PUBLICATIONS

1. Shimul Chakma, **Kanish Fatama**, Nasifa Akter, Md. Nur-E-Alam "**Potential Utilization of Solid Wastes Generated from Tannery, Garments and Jute Industries for the Production of Composite Board"** Textile & Leather Review 2023, 6: 98-113 https://doi.org/10.31881/TLR.2022.110

2. Md. Nur-E-Alam, Nasifa Akter, **Kanish Fatema**, Md. Abul Kashem Azad, Shimul Chakma, Md. Anwar Arfien Khan "**Acid hydrolysis of untanned proteinous wastes from tannery industry in Bangladesh**" Journal of Scientific and Innovative Research 2020; 9(3): 83-86, ISSN 2320-4818

3. Md. Nur-E-Alam, Nasifa Akter, **Kanish Fatema**, Md. Abul Kashem Azad, Shimul Chakma, Md. Anwar Arfien Khan "**Enzyme-Accelerated Acid Hydrolysis of Untanned Proteinaceous Wastes from Tanning Industry**" Textile & Leather Review. 2020. https://doi.org/10.31881/TLR.2020
4. Md. Nur-E-Alam, N. Akter, S. Chakma, **K. Fatema**, A. K. Azad, M. Jaman Chowdhury, M. Abu Sayid Mia "**Alkali Enzymatic Extraction of Keratin Protein from Chicken Feather Waste in Bangladesh**" Iranian (Iranica) Journal of Energy & Environment Journal; 10(4): 235-241, 2019 ISSN: 2079-2115

5. Chakma Shimul, **Kanish Fatama**, Md. Nur-E-Alam, Akter Hossain "**Development of Shoe last with convex shape for placing Orthotics in Footwear**", International Journal of Advanced Research in Science, Engineering and Technology, Vol.5, Issue 10, October 2018 ISSN:2350-0328

PROCESS

01. Design and development of footbed for diabetic Footwear
    Ref. No. 39.02.0000.043.37.536.19/706 Date-19.06.2019
02. Preparation of organo-aluminium syntan for leather processing
    Ref. No. 39.373.09.00.280.2016/940 Date- 15.06.2016

COMPLETED R&D PROJECTS

1. A process for the manufacturing of Leather Products from Skin of Broiler Chicken Leg.(2020-2022)
2. Extraction of Protein Hydrolysate from Raw Trimmings of hides and skins and its Application in Poultry/ Fish Feed (2018- 2020)
3. Production of Filler from Poultry Feather and its Application in Leather Processing (2017- 2020)
4. Production of Counter Stiffener from the wastes of Leather Products Industries.(2017-2018)
5. Development of Footwear to Reduce heel pain(2019-2021)

6. Development of safety Footwear for fire fighter
7. Development of Shoe last with convex shape for placing Orthotics in Footwear(13-15)
8. Design and Development of Diabetic Footwear for Diabetic Patient
9. Preparation of organo-aluminium syntan for leather processing

CURRENT R&D PROJECTS

1. Development of Composite Materials from Chrome- tanned leather and its application (2022-2024)
2. Amendment of soil by using raw Trimmings of Hide and Skin.(2022-2024)
3. An eco-friendly method for preservation of hides/skins using Tamarindus Indica leaf.(2022-2024)
4. Shaving dust and tannery sludge as adsorbent for the treatment of tannery waste water (2021-2023)
5. Development of Footwear Designed for Pregnant Women based on Ergonomics (2020-2023)
6. Preparation of adhesive from raw trimmings of hides and skins (2021- 2023)

WORKSHOP

1. Integrity Practices and Strategy in Public Service Delivery (05 September 2015)

CONFERENCE

1. International Conference on Environmental Protection for Sustainable Development (ICEPSD, 2-4 September,2022)
2. BCSIR Congress-2022 (1-3 December 2022)

TRAINING

1. 1st Foundation Training Course, BCSIR ; 03 August to 02 October 2014
2. 41st Understanding Training Course on ISO/IES 17025:2017
3. Fourier-Transform Infrared Spectrophotometer (FTIR) & Universal Testing Machine (UTM); 08-12 May, 2022
4. Simultaneous Thermal Analyzer (STA); 20-24 June, 2021
5. Atomic Absorption Spectrometer (AAS); 10-14 March 2019

6. Operation and maintenance of X-Ray Diffractometer (XRD); 29 November-03 December, 2020
7. UV-Visible Spectrophotometer; 21-25 October 2018
8. Gas Chromatography-Mass Spectrometry (GC-MS/MS); 24-26 April,2018
9. FT-Raman Spectroscopy; 21-23 June, 2016
10. Fourier Transform Infrared Spectro-Photometer(FT-IR); 24-26 November 2015
11. Data Logging System; 24-25 May 2015
12. Partical Size Analyzer; 5-6 November 2014
13. Liquid Chromatography Mass Spectrometer(LCMS); 05-06 November 2014
14. UV-VIS Spectrophotometer; 18-19 December 2013
15. Gas Chromatography & Gas Chromatography-Mass Spectrometer; 18-20 February 2014

COMPUTER SKILLS

MS Word, Excel, PowerPoint

EDUCATIONAL BACKGROUND & QUALIFICATIONS

Name of Degree	Board /University	Name of Institute	Division/ Class/CGPA	(%) of Marks
M.Sc. in Environmental Science and Management	Jahangirnagar University	Development of Environmental Science	3.72	-
B.Sc in Footwear Technology	University of Dhaka	Bangladesh College of Leather Technology	1st Class (6th Position)	64.6%
H.S.C (Science)	Dhaka Board	Central Women's College, Dhaka	1st Division	66.4%
S.S.C (Science)	Dhaka Board	Siddhirgonj Power Station High School, Narayangonj	1st Division	81.2%

Signature