

Curriculum Vitae  
of  
**Md. Jawad Hasan**

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**Professional background**

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- ❖ Lecturer  
Institute of Leather Engineering and Technology  
University of Dhaka, Dhaka-1209  
November, 2022 to date
- ❖ Intern  
Apex Tannery Ltd.  
Hemayetpur, Savar, Dhaka  
November, 2019 - January, 2020

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**Project**

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- Application of Enzyme Extracted Collagen Hydrolysate from Raw Trimmings in Proteolytic Enzyme Production: A Circular Economy Approach, Physical Science Group, Serial Number:13 GO no. 39.00.0000.012.02.009.23.159, National Science and Technology Research and Development Project, Ministry of Science and Technology, Government of the People's Republic of Bangladesh, Year: 2023-24, 0.8 lac BDT.

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**Academic Background**

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- **M.Sc. in Leather Engineering**  
Institute of Leather Engineering and Technology, University of Dhaka  
Cumulative GPA: 4.00 in a scale of 4.00 (2021).
- **B.Sc. in Leather Engineering**  
Institute of Leather Engineering and Technology, University of Dhaka  
Cumulative GPA: 3.94 in a scale of 4.00 (2019).

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**Achievements and Accolades**

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- ❖ **National Science and Technology Fellowship**  
MSc Program  
February, 2021 – January, 2022

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**Membership**

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- Member of Leather Engineers and Technologists Society, Bangladesh

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**Research interests**

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- Leather Biotechnology
- Bio-composites
- Enzyme synthesis and modification
- Sustainable leather Processing
- Green manufacturing

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**Equipment worked with**

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UV-vis spectrometer, AAS, IR-spectrometer, TGA, DLS, Gel Electrophoresis, etc.

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**Publication: Journal articles**

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1. Md. Samaul Alam, **Md. Jawad Hasan**, Papia Haque, and Mohammed Mizanur Rahman “Sustainable leather tanning: Enhanced properties and pollution reduction through crude protease enzyme treatment”, *International Journal of Biological Macromolecules*, vol. 268, part 1, 131858, May 2024, doi.org/10.1016/j.ijbiomac.2024.131858.
2. **Md. Jawad Hasan**, Papia Haque, and Mohammed Mizanur Rahman. Sep. 2022. “Protease Enzyme Based Cleaner Leather Processing: A Review.” *Journal of Cleaner Production* 365:132826. doi: 10.1016/j.jclepro.2022.132826.
3. M. M. Uddin, **Md. Jawad Hasan**, Y. Mahmud, N. Uddin, Khandaker Tanzim Rahman, Imam Jafar Ali Nishad, and Sayed Md. Shamsuddin. Feb. 2022. “A Cleaner Goatskin Preservation with Leaf Paste and Powder: An Approach for Salinity Remediation in Tannery Wastewater.” *Cleaner Engineering and Technology* 6:100357. doi: 10.1016/j.clet.2021.100357.
4. Md. Mokarom Hossain, Md. Arif Chowdhury, **Md. Jawad Hasan**, Md. Harun-Ar Rashid, Thamina Acter, M. Nuruzzaman Khan, Sheikh Mahatabuddin, and Nizam Uddin. Dec. 2021. “Heavy Metal Pollution in the Soil-Vegetable System of Tannery Estate.” *Environmental Nanotechnology, Monitoring & Management* 16:100557. doi: 10.1016/j.enmm.2021.100557.
5. Umme Habiba Bodrun Naher, Md. Jawad Hasan, Md. Morshedul Hasan, and Md. Farhad Ali. Nov. 2021. “Trace Metal Contamination of Vegetables Grown Near the Tannery Estate in Savar, Bangladesh: Human Health Risk Assessment.” *Textile & Leather Review* 4:297–314. doi: 10.31881/TLR.2021.28.
6. M. N. Hossain, Ashiqur Rahaman, **Md. Jawad Hasan**, Md. Minhaz Uddin, Nazma Khatun, and Sayed Md. Shamsuddin. Mar. 2021. “Comparative Seasonal Assessment of Pollution and Health Risks Associated with Heavy Metals in Water, Sediment and Fish of Buriganga and Turag River in Dhaka City, Bangladesh.” *SN Applied Sciences* 3(4):509. doi: 10.1007/s42452-021-04464-0
7. Md. Uddin Minhaz, **Md. Jawad Hasan**, Yead Mahmud, and Sobur Ahmed. Sep. 2020. “Evaluating Suitability of Glutaraldehyde Tanning in Conformity with Physical Properties of Conventional Chrome-Tanned Leather.” *Textile & Leather Review* 3(3):135–45. doi: 10.31881/TLR.2020.09
8. Md. Minhaz Uddin, **Md. Jawad Hasan**, Didarul Islam, Ashiqur Rahaman, and Sayed Shamsuddin. Jun. 2020. “Removal of Chromium(III) and Other Physical Parameters from Chrome Tan Wastewater and Recovery of Chromium from the Precipitating Sludge.” 3:64–77. doi: 10.31881/TLR.2020.07.

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**Contact address**

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- Google Scholar: <https://scholar.google.com/citations?user=mgZD4E0AAAAJ&hl=en&oi=ao>
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