

PROFILE

MD. ABUL KASHEM AZAD
Principal Scientific Officer (PSO)
Leather Research Institute (BCSIR)
Nayarhat, Savar, Dhaka-1350, Bangladesh.
Cell # +8801552330665, +8801715014460
E-mail: kashem.bcsir@gmail.com



FIELD OF SPECIALIZATION

Leather Processing Technology of all Types of Leather
(Raw to finish including wet-processing, re-tanning, dyeing and fat-liquoring)

CURRENT JOB POSITION

19.12.2019 - Present	Principal Scientific Officer (PSO)
15.07.2007 - 18.12.2019	Senior Scientific Officer (SSO)
06.04.1999 - 14.07.2007	Scientific Officer (SO)

PREVIOUS JOB EXPERIENCE

01.02.1997 - 05.04.1999	Bay Tanneries Ltd, Hazaribugh, Dhaka. As a Leather Technologist.
01.08.1995 - 20.12.1996	Bengal Leather Complex, Hazaribugh, Dhaka. As a Part-time Leather Technologist.
02.02.1994 - 15.07.1995	Samata Leather Complex, Hazaribugh, Dhaka. As a Part-time Leather Technologist.

EDUCATION

Secondary School Certificate	Rangpur Zilla School Rajshahi Board	1 st Division, Star Marks
Higher Secondary Certificate	Rajshahi Govt (Old) College Rajshahi Board	1 st Division
B.Sc in Leather Engineering	Dhaka University	1 st Class (2 nd Position)

DEVELOPED PROCESSES ACCEPTED BY BCSIR

- 2006** **Manufacture of Anti-wrinkle agent and its application in leather processing.**
Md. Abul Kashem Azad, Akhtar Hossain, Ariful Hai Quadery, Dr. Dipankar Chakraborty and Sujit Kumar Banik. সচি/গউবি/৬২-৫৩৫/২০০৫/৯১৪ তারিখঃ ১৫/০৫/২০০৬
- 2008** **Preparation of ammonium chrome alum from chrome shaving dust and spent chrome liquor.**
Dr. Madhu Sudan Saha, Dr. Dipankar Chakraborty, Md. Abul Kashem Azad and Sujit Kumar Bonik. সচি/গউবি/৬২-৬৪৬/০৮/৯৯৮ তারিখঃ ২৯/০৭/২০০৮
- 2008** **A process for the production of synthetic tanning agent from naphthalene and its application in leather processing.**
Ariful Hai Quadery, Akhtar Hossain, Md. Abul Kashem Azad and Sujit Kumar Banik. সচি/গউবি/৬২-৬২১/০৭/১৩৪৭ তারিখঃ ২০/০৮/২০০৮
- 2008** **A Process for the preparation of protein filler as a retanning agent for leather processing**
Ariful Hai Quadry, Akhtar Hossain, Dr. Dipankar Chakraborty, Md. Abul Kashem Azad and Sujit Kumar Banik
সচি/গউবি/৬২-৬৩১/০৭/১৩৪৬, তারিখঃ ২০/০৮/২০০৮
- 2010** **A process for the preparation of tanning agent based on glutaraldehyde and its application in leather processing.**
Ariful Hai Quadery, Dr. Dipankar Chakraborty and Md. Abul Kashem Azad.
সচি/গউবি/৬২-৭৪৫/০৯/১১৬০ তারিখঃ ০১/০৩/২০১০
- 2020** **Preparation of water soluble fat-liquoring agent from Karanja seed oil (Pongamia pinnata L.) for leather Processing.**
Ariful Hai Quadery, Md. Tushar Uddin, Md. Abul Kashem Azad, Murshid Jaman Chowdhury. সত্র নং ৩৯.০২.০০০০.০৪৩.৩৭.৭৯১.১৯/২৪০ তারিখঃ ২৮/০১/২০২০

LEASED-OUT PROCESS

Manufacture of Anti-wrinkle agent and its application in leather processing.

Akhtar Hossain, Ariful Hai Quadery, Dr. Dipankar Chakraborty, Md. Abul Kashem Azad and Sujit Kumar Banik.

A Process for the preparation of protein filler as a retanning agent for leather processing .

Ariful Hai Quadry, Akhtar Hossain, Dr. Dipankar Chakraborty, Md. Abul Kashem Azad and Sujit Kumar Banik.

পদ্ধতিটি B. S. International, 400 kawla Namapara, Dakhin Khan, Dhaka, কে লীজ প্রদান করা হয়েছে।

পদ্ধতিটি B. S. International, 400 kawla Namapara, Dakhin Khan, Dhaka, কে লীজ প্রদান করা হয়েছে।

SCIENTIFIC PAPERS

- 2004** Use of magnesium sulphate and boric acid to reduce ecologically unfavoured ammonium sulphate as delimiting agent in leather processing.
D. Chakraborty, P. Ahmed, A.K. Azad and S. I Chaudury. Bangladesh Journal of Scientific and Industrial Research. (BJSIR), ২০০৪,৩৯(১-২), ৭১-৭৬
- 2008** Studies on the tanning with glutaraldehyde as an alternative to traditional chrome tanning system for the production of chrome free leather.
Dipankar Chakraborty, Ariful Hai Quadery & M. Abul Kashem Azad.
Bangladesh Journal of Scientific and Industrial Research. (BJSIR), 2008,43(4), 553-558
- 2014** Development of hair-save unhairing method using organic thio compounds in pre-tanning stages of leather production.
Ariful Hai Quadery, Md. Tushar Uddin, Md. Abul Kashem Azad, Murshid Jaman Chowdhury, Amal Kanti Deb and Md. Nazmul Hassan.
International Journal of Scientific & Engineering Research, December-2014.
Vol. 5, Issue 12, PP 376-382
- 2015** Fatliquor preparation from Karanja seed oil (*Pongamia pinnata* L.) and its application for leather processing.
Ariful Hai Quadery, Md. Tushar Uddin, Md. Abul Kashem Azad, Murshid Jaman Chowdhury, Amal Kanti Deb and Md. Nazmul Hassan.
IOSR Journal of Applied Chemistry, Jan. 2015, Vol. 8, Issue 1 Ver. I, PP 54-58
<https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.1062.4259&rep=rep1&type=pdf>
- 2019** Alkali Enzymatic Extraction of Keratin Protein from Chicken Feather Waste in Bangladesh.
M. Nur-E-Alam, N. Akter, S. Chakma, K. Fatema, A. K. Azad, M. Jaman Chowdhury, M. Abu Sayid Mia
Iranian (Iranica) Journal of Energy and Environment 10(4): 235-241, 2019
http://www.ijee.net/article_97321_db8f3ade793cd05aa5787dd54ab8e0e7.pdf
- 2020** Enzyme-Accelerated Acid Hydrolysis of Untanned Proteinaceous Waste from Tanning Industry.
Md. NUR-E-ALAM, Nasifa AKHTER, Kanish FATEMA, Md. Abul Kashem AZAD, Shimul CHAKMA, Md. Anwar Arfien KHAN
Textile and Leather Review. 2020. <https://doi.org/10.31881/TLR.2020.13>
- 2020** Acid Hydrolysis of Untanned Proteinous Wastes from Tannery Industry in Bangladesh.
Md. Nur-E-Alam, Nasifa Akhter, Kanish Fatema, Md. Abul Kashem Azad, Shimul Chakma, Md. Anwar Arfien Khan.
Journal of Scientific and Innovative Research 2020; 9(3): 83-86
http://www.jsirjournal.com/Vol9_Issue3_01.pdf