CURRICULUM VITAE (CV)

Position Title and No.		
Name of Expert:	Sobur Ahmed	
Date of Birth:	03 November, 1972	
Country of Citizenship/Residence	Bangladesh	

Education:

- PhD in Applied Chemistry and Chemical Engineering from University of Dhaka (ongoing), 2019
- MPhil in Applied Chemistry and Chemical Engineering (Part-1)from University of Dhaka in 2012
- Post Graduate Diploma in Footwear Technology & Management (2 years) from Footwear Design & Development Institute (FDDI), Noida, India (MSc equivalent) (Grade-A) in 2003
- Bachelor of Science in Leather Technology from University of Dhaka (First Class) in 1993 (held 1996)
- Junior Certificate Course in Japanese Language from University of Dhaka in 1993
- Higher Secondary Certificate (HSC) from Rajshahi College under Rajshahi Board (First Division)in 1989
- Secondary School Certificate from Ullapara Merchants Pilot Multilateral High School, Sirajgonj under Rajshahi Board (First Division*) in 1987.

Employment record relevant to the assignment:

Period	Employing organization and your title/position. Contact information for references	Country	Summary of activities performed relevant to the assignment
Jan 15, 2019 to till date	Institute of Leather Engineering & Technology (ILET), University of Dhaka Position: Associate Professor (Tech.)	Bangladesh	 Conduct education, research and training in the field of leather, footwear and leather products engineering. Working as an Academic and
March 20, 2010 –January 14, 2019	Institute of Leather Engineering & Technology (ILET), University of Dhaka Position: Assistant Professor (Tech.)	Bangladesh	Student Advisor of the institute since January 1, 2021. • Developed curriculum and syllabus for different tiers of courses in the University of Dhaka, KUET, BAU and BTEB.
	For references: M:+88017770294898/e-mail: rodoshi286@gmail.com; Ms. Nusrat Yeasmin Head Assistant, Institute of		• Developed of Curriculum, Competency Standards (CS), Competency Based Learning Materials (CBLM), and Assessment Tools (AT) on different occupations for the skilling of human resources and implement skills training program

	Leather Engineering and		in leather & footwear sector.
	Technology, University of Dhaka, 44-50, Hazaribagh, Dhaka-1209		• Conduct classes on different courses through imparting lectures & practical demonstration and supervise research project of B.Sc. and MS students.
			• Conduct training for local staff engaged in operation and management in the field of leather, footwear & leather products manufacturing and training organizations, e.g. BIGM, LSBPC, BTA, BFLLFEA, LFMEAB, etc.
			• Work as the HoD, Department of Leather Engineering, ILET, DU since July 31, 2011.
			• Worked as an Expert Member of different committee for RAB, Police, GPO, BSTI, LETS'B and so on.
Novemb er 6,	British Council SEIP-SD03 Project, supported by GOB,	Bangladesh	Preparation of Sector scans report for leather and footwear sector.
2016- to May 5, 2019	ADB and SDC for "Development of Competency Based Training and Quality Assurance" at		 Assessed training needs of particular occupation in leather and footwear sector.
	Skills for Employment Investment program (SEIP), Ministry of Finance, GoB.		• Conducted detailed task analysis with key stakeholders in the footwear and leather goods industry.
	Position: National Subject Matter Consultant (Leather and Footwear Sector)		• Leaded and managed a large team of work group members consisting of industry experts from different segments of occupation.
	For references: M: +88 0175563 9020/e-mail: david.king1@bd.britishcounc il.org; www.britishcouncil.org.bd; David King, Team Leader		• Arranged workshop for Competency Standards (CS), Competency Based Learning Materials (CBLM) and Assessments Tools (AT) development and validation with concerned authority and stake holders.
	SEIP-SD03Project M: +88 01713 103 685; MdMehedi.Hassan@britishco uncil.org; Md. Mehedi Hasan, Project Coordinator, SEIP- SD03 Project		• Developed and validated 10 (Ten) Competency Standards (CS), 03 (Three) Competency Based Learning Materials (CBLM), 03 (Three) Assessment Tools (AT) and curriculum on different occupations for leather and footwear sector.
Jun 2010 - Sep 2010	Bangladesh College of Leather Engineering and Technology, Dhaka-1209	Bangladesh	• Responsible for conducting and managing all academic, administrative and financial activities.
	Position: Principal (In- Charge) & DDO		• Leaded the institute and communicate with University of Dhaka, DTE and Ministry of

			Education.
Jan 30, 2000 – Mar 19,	Bangladesh College of Leather Engineering and Technology,	Bangladesh	• Conducted teaching, research and training in the field of leather & footwear engineering.
2010	Position: Lecturer (Tech.) For references: M: +88 01788 412 545/e-mail:		• Worked as a Founder Head of the department for the Department of Leather Products Technology from July 08, 2004 to February 25, 2008.
	dr.fkarim@yahoo.com; Professor Dr. Md. Fazlul		• Worked as an Examiner, Paper setter and Supervisor for thesis research.
	Karim, Former Principal, Bangladesh College of Leather Engineering & Technology, Dhaka		• Worked as a Coordinator and Chairman of the various Examination committee and Courses and studies committee.
June 3, 1995 – Jan 29, 2000	Apex Tannery Limited, Hazaribagh, Dhaka-1209. Position: Leather Technologist	Bangladesh	• Responsible for production planning and control, R&D activities for ecofriendly leather production, quality control and quality assurance, trouble shooting in production and so on.
	For references: M: +88 01711 525 639; Mr. M. A. Majed, Executive Director, Apex Tannery Ltd, Dhaka		• Developer of innovative finished article to compete the latest trend in fashion and design.

Membership in Professional Associations:

- Life Member, Bangladesh Chemical Society (LM-1202)
- Life Member, Leather Engineers and Technologists Society, Bangladesh. (LM-32)
- Life Member, Productivity Improvement Team, FDDI, Noida, India (LM-101)

Journal Publications:

- 1. Shahanama Ferdous, Meem Muhtasim Mahdi, Fatema-Tuj-Zohra, Md. Shakil Nawze, **Sobur Ahmed,** Adsorptive removal of Crocein Scarlet dye from aqueous solution using Date palm leaf powder, International Journal of Environmental Science and Technology (IJEST), Springer (under review), 2021.
- 2. **Sobur Ahmed***, Fatema-Tuj-Zohra, Meem Muhtasim Mahdi, Md. Nurnabi, Md. Zahangir Alam, Tasrina Rabia Choudhury, Health Risk Index Assessment for Heavy Metal Accumulation in Leafy Vegetables grown on Tannery Effluent Contaminated Soil, Toxicology Reports, Elsevier (under review), 2021.
- 3. **Sobur Ahmed**, Fatema-Tuj-Zohra, Abrar Shahriar, Nazia Rahman, Nirmal Chandra Dafader, Md. Zahangir Alam, Mohammad Nurnabi*, Preparation of Acrylic acid-grafted-Sawdust by Gamma Irradiation for the Removal of Cr (III) from Tannery Effluents, Applied Water Science, Springer (under review), 2020.
- 4. Razia Sultana, Sobur Ahmed, Fatema -Tuj-Zohra*, Development of Adsorbent from Sugarcane Bagasse for the Removal of Pollutants from Chrome Tanning Effluents, Textile and Leather reviews, 2021, 4(2). https://doi.org/10.31881/TLR.2020.24
- 5. Meem Muhtasim Mahdi, Fatema -Tuj-Zohra, Sobur Ahmed, Dyeing of shoe upper leather with extracted dye from Acacia nilotica plant bark- An eco-friendly initiative, Progress in Color, 2021, 14, 241-258

- 6. Md. Minhaz Uddin, Md. Jawad Hasan, Yead Mahmud, Fatema-Tuj-Zohra and **Sobur Ahmed**, Evaluating Suitability of Glutaraldehyde Tanning in Conformity with Physical Properties of Conventional Chrome-Tanned Leather, Textile & Leather Review, 2020, 3(3) 135-145. UDC 675.017:675.024.43 DOI: 10.31881/TLR.2020.09
- 7. Md. Minhaz Uddin, Nizam Uddin, Thamina Acter, Yead Mahmud, **Sobur Ahmed**, Md. Jawad Hasan, Sumaiya Mim, Md. Mokarom Hossain, Nasima Akter Mukta, Md Latiful Bari, Ahmad Ismail Mustafa and Sayed Md Shamsuddin, Eco-Friendly Goat Skin Preservation: An Approach for TDS, Salinity Reduction in Tannery Waste Water, Journal of Ecology & Natural Resources, 2019, 3(5): 000182. **DOI:** 10.23880/jenr-16000182.
- 8. Md. Saidur Rahman Shakil, **Sobur Ahmed**, and Estehad Pathan, 2019. Tannery solid waste into wealth by non-edible gelatin production from raw trimmings. European Journal of Engineering Research and Science. 4, 10 (Oct. 2019), 167-172. DOI: https://doi.org/10.24018/ejers.2019.4.10.1593.
- 9. Estehad Pathan, **Sobur Ahmed**, and Md. Saidur Rahman Shakil, 2019. Utilization of limed flesh through fat extraction and soap preparation. European Journal of Engineering Research and Science. 4, 10 (Oct. 2019), 198-202. DOI:https://doi.org/10.24018/ejers.2019.4.10.1575.
- 10. Md Abdul Moktadir, Syed Mithun Ali, Charbel Jose Chiappetta Jabbour, Ananna Paul, **Sobur Ahmed**, Razia Sultana, Towfique Rahman, Key factors for energy-efficient supply chains: Implications for energy policy in emerging economies, Energy, 189 (2019) 116129, journal homepage: www.elsevier.com/locate/energy. DOI: https://doi.org/10.1016/j.energy.2019.116129.
- 11. Abrar Shahriar, Fatema-Tuj-Zohra, A. B. M. Wahid Murad, **Sobur Ahmed**, Enhancement of waterproofing properties of finished upper leather produced from Bangladeshi cow hides, European Journal of Engineering Research and Science, 2019, Vol. 4, No 7. DOI:http://dx.doi.org/10.24018/ejers.2019.4.7.1426.
- 12. Md. Abdul Muktadir, **Sobur Ahmed** and Fatema-Tuj-Zohra, How to Improve Productivity by Work Study Technique, a book published by Scholar's Press, OmniScriptum publishing group, 17 Meldrum Street, Beau Bassin 71504, Mauritius, 2017, ISBN 978-620-2-30034-6.
- 13. **Sobur Ahmed**, Stock Taking of the Existing Technologies for the Potential Entrepreneurs of Leather Sector, a book review, published by Small and Medium Enterprise Foundation, April 2017, ISBN: 978-984-34-2588-1.
- 14. **Sobur Ahmed**, Fatema-Tuj-Zohra, Md. Shiblee Hider Khan, Md. Abul Hashem, Chromium from tannery waste in poultry feed: A potential cradle to transport human food chain, **Cogent Env. Sci.**, DOI:10.1080/23311843.2017.1312767.
- 15. Md. Abdul Moktadir, **Sobur Ahmed**, Fatema-Tuj-Zohra and Razia Sultana, Productivity Improvement by Work Study Technique: A Case Study on Leather Products Industry of Bangladesh, Industrial Engineering and Management, doi:10.4172/2169-0316.1000207.
- 16. A.B.M. Wahid Murad, Ananya Chakrobarty, Fatema-Tuj-Zohra, **Sobur Ahmed**, Nonconventional Use of Basic Chromium Sulphate for Wet Blue Leather Production An Attempt for Abatement of Pollution, **World J. Eng. Res. and Tech.**, 2016, 2(3), 60-72.
- 17. Al Mizan, Fatema-Tuz-Zohra, **Sobur Ahmed**, Md. Nurnabi, Md. Zahangir Alam, Low Cost Adsorbent for Mitigation of Water Pollution Caused by Tannery Effluents at Hazaribagh, **Bangladesh J. Sci. Ind. Res.**, 51 (3), 215-220, 2016.
- 18. Md. Arafat Al Mamun, Md. Abir Hosain, **Sobur Ahmed**, Fatema-Tuj-Zohra, Rajia Sultana, Md. Murad Khan, Marufa Zerin Akhter, Shakila Nargis Khan and Md. Mozammel Hoq Development of an Alternative Enzyme-assisted Dehairing Method of Animal Skins using Proteases from Bacillus lichenifurmis MZK05M9, **Bangladesh J. Microbio**., 2015, 32(1 and 2), 33-97.
- 19. **Sobur Ahmed**, Fatema-Tuj-Zohra, Arup Sarker, Md. Abul Hashem, Short term preservation of goat skin with indigenous Azadirachta Indica leaf to reduce the pollution load in Leather Processing, **Int. J. Current Res.**, 2015, 7(10), 21158-21161.

- 20. **Sobur Ahmed**, Fatema-Tuj-Zohra and Muhammad Abu Yousuf, Garments Sizing System-Scientific methods of garments sizing, a book published by LAP LAMBERT Academic Publishing, OmniScriptum GmbH and Co. KG, Heinrich-Bocking-Str. 6-8, 66121, Saarbrucken, Deutschland/ Germany, June 2015, ISBN 978-3-659-71409-2.
- 21. Chandan Chakrabarty, **Sobur Ahmed**, Md. Mazaharul Huq, Fatema-Tuj-Zohra, Taslima Tabassum, Ashraf Ali Siddiqui, Assessment of Level of water Pollution Discharged from Hazaribagh: A Critical Study, 2013, **Int. J. Sci. and Eng. Res.**, 2013, 4(9), 2318-2324.
- 22. Rashedul Hasan, **Sobur Ahmed**, Chandan Chakraborty, Md Mazaharul Huq, Taslima Tabassum, Ramon Rana, Sohel Rana, Analysis of the accumulation of chromium in vegetables in effluent affected and non-affected soil: A case study, 2013, **Int. J. Sci. and Eng. Res.**, 4(9), 2431-2435.
- 23. Chandan Chakrabarty, Md Mazaharul Huq, **Sobur Ahmed**, Taslima Tabassum, Md Rubel Miah, Analysis of the Causes And Impacts of Water pollution of Buriganga River: A Critical Study, **Int. J. Sci. and Eng. Res.**, 2013, 2(9), 245-252.
- 24. **Sobur Ahmed**, Fatema-Tuj-Zohra, Ecological aspects of cross linking agents and their role in leather finishing for the production of finished leather-**LeatherAge**, a monthly journal devoted to leather and its allied industry from India, on January 2011, Vol. No. XXXIII No-2, 67-71.
- 25. **Sobur Ahmed**, Fatema-Tuj-Zohra, Productivity improvement by line balancing in closing room for the production of footwear, **Footwear Digest**, a quarterly magazine from FDDI, India, ISSN No. 0971-9121 January 2005, Vol.-43, pp. i-vii.
- 26. **Sobur Ahmed**, Shoe Finishing: the process of value addition to the shoe, **Footwear Digest**, a quarterly magazine from FDDI, India, ISSN No. 0971-9121, April 2003, Vol-36, pp. ii-v.
- 27. **Sobur Ahmed**, Leather Finishing and Finishes, **Footwear Digest**, a quarterly magazine from FDDI, India, ISSN No. 0971-9121 January 2003, Vol-35, pp. ii-v.
- 28. **Sobur Ahmed**, Shoe upper leather and its manufacturing concept, **Footwear Digest**, a quarterly magazine published from FDDI, India, ISSN No. 0971-9121 October 2002, Vol-34, pp. i-viii.
- 29. Shamsun Nahar, **Sobur Ahmed**, Amal Kanti Deb, Abdullah-Al-Mahmuud, Tareq-Bin-Sattar, Improvement of natural polymer-leather matrix with micro size reinforced basic chrome sulphate, National conference on physics for development, Bangladesh Physical Society in BUET, Dhaka-1000 (10-11 February 2011).
- 30. Sobur Ahmed, A.K.M.M. Ali, M.M. Mahdi. "Evaluation and management of tannery solid wastes and effluents: A Case Study at Tannery Industrial Estate Dhaka (TIED), Bangladesh" 1st International Conference on Environmental Science & Resource Management (ICESRM), Mawlana Bhashani Science and Technology University, Tangail, Bangladesh, 2019.

Book Publications:

- 1. "How to Improve Productivity by Work Study Technique: A case on Leather Products Industry" -Md. Abdul Moktadir, Sobur Ahmed and Fatema-Tuj-Zohra published by Scholar's Press, Member of OmniScriptum Publishing Group, 17, Meldrum Street, Beau Bassin, 71504, Mauritius, July 2017, ISBN 978-620-2-30039-6.
- 2. "Stock taking of the Existing Technologies for the Potential Entrepreneurs of Leather Sector" reviewed by Sobur Ahmed, which is published at Small and Medium Enterprise Foundation, April 2017, ISBN: 978-984-34-2588-1.
- 3. "Garments Sizing System Scientific Methods of Garments Sizing", Sobur Ahmed, Fatema-Tuj-Zohra and Mohammad Abu Yousuf, published by LAP LAMBERT Academic Publishing, OmniScriptum GmbH and Co. KG, Heinrich-Bocking-Str. 6-8, 66121, Saarbrucken, Deutschland/ Germany, June 2015, ISBN 978-3-659-71409-2.
- 4. "Guidelines for Sustainable Consumption and Production (SCP) under ECOLEBAN project" reviewed by Sobur Ahmed, which was funded by European Commission.

Competency Standard (CS) published for Skills Employment Investment Program (SEIP):

- 1. Pattern Making, Design & CAD-CAM
- 2. Cutting Machine Operation
- 3. Setting and Assembling Operation
- 4. Setting Operation for Footwear
- 5. Sewing Machine Operation
- 6. Lasting and Assembling
- 7. Supervisory Management and Leadership Skills
- 8. Standard Social Compliance in Industry
- 9. Productivity Improvement Techniques
- 10. Total Quality Management (TQM)

Competency Based Learning Materials (CBLM) published for Skills Employment Investment Program (SEIP):

- 1. Pattern Making, Design & CAD-CAM
- 2. Setting and Assembling Operation
- 3. Lasting and Assembling

Assessment Tools (AT) Published for Skills Employment Investment Program (SEIP):

- 1. Pattern Making, Design & CAD-CAM
- 2. Setting and Assembling Operation
- 3. Lasting and Assembling

Language Skills (indicate only languages in which you can work):

Language	Speaking	Reading	Writing
Bengali	Mother Tongue		
English	Excellent	Excellent	Excellent
Hindi	Moderate	-	-

Adequacy for the Assignment:

Detailed Tasks Assigned on Consultant's Team of Experts:	Reference to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
 To review and update the training programs developed by the industry associations so as to align them to the competency standards and duly endorsed by ISCs and approved by BTEB in due course. Develop competency standards and qualifications which are job focused packages for high demand short and long duration courses for each priority sector. 	□ Alternative use of Unwarranted Hides and Skins and Tannery Solid Wastes in Bangladesh; 2020-2021; Ministry of Science & Technology, Government of Bangladesh; Project Director. □ Development of cost-effective production process of gelatin and dog chews from solid wastes released from leather industry; 2019-2020; Ministry of Science & Technology, Government of Bangladesh; Associate investigator. □ Utilization of Solid wastes generated from Tanneries for the sustainability of leather industry
 Provide course materials including ICT based materials where feasible, equipment required and assessment 	in Bangladesh; 2018-2019; Ministry of Science & Technology, Government of Bangladesh; Project Director.

- tools. Each comprise at the minimum a) set of course material will b) Trainee's Handbook, c) Trainer Manual comprising d) Session Plans e) Assessment Module and d) Training Aids.
- The development of curriculum and course packages will be through a participatory process, which will include forming a team of trainers, occupational based industry experts and related specialists from different relevant institutions, through the concerned ISCs, who will also be involved in trailing of the materials.
- Develop manual for developing and fasttracking implementation of competency based training and will help to prepare materials for training of trainers.

- Development of cost effective finishing technology for the production of quality waterproof upper leather from domestic cow hides; 2015-2016; Ministry of Science & Technology, Government of Bangladesh; Project Director.
- Development of eco-friendly leather finishing for value added quality finished leather using indigenous raw materials; 2014-2015; Ministry of Science & Technology, Government of Bangladesh; Project Director.
- □ Bangladesh Leather Service Center under Bangladesh Economic Growth Program (BEGP); 2015-2017; Leather Sector Business Promotion Council (LSBPC), Ministry of Commerce, GoB; Quality Manager and Management Representative.
- □ Amir Multi Proteins (A-category feed industry); 2015-2020; **Technical Consultant.**

Professional Training:

- 1. Completed Intermediate Spoken English Course at British Council, Fuller road as an employee on 23 September, 2018.
- 2. Completed 06 (six) mandatory courses of British Council as National Subject Matter Consultant (Leather & Footwear Sector) i.e. EFT, EDI, Safety & Security, Fraud Awareness, Child Protection and Information Management within first quarter of 2017.
- 3. Completed a fellowship on "Learning to Lead and Manage TVET institutions in CBTA environment" in Philippines (20^{th} March to 1^{st} April, 2011).
- **4.** Completed a five days training program on "Quality Management Systems Auditor/ Lead Auditor Training course (Based on ISO 9001:2008)" in Mumbai, India (20th September to 24th September, 2010)
- **5.** Completed a two months mandatory training as a government official on "Foundation Training course for BCS Education (General and Technical) cadre officers" held in NAEM, Dhaka-1205 (4th October to 2nd December, 2010)
- **6.** Completed a two days workshop on "Internal audit on the basis of ISO/IEC 17025:2005" organized by Bangladesh Leather Service Centre (BLSC), a project funded by the Govt. of Italy, held in BCLT, Dhaka (20th April to 21st April, 2008).

Personal Details:

1. Name : **Sobur Ahmed**

2. Father's name : Seraj Uddin Ahmed

3. Mother's name : Saida Begum

4. Date of birth : 03 November, 1972.

5. Place of birth : Sirajgonj.

6. Permanent address: Village- Jhatibelai, P.O. - Garabari, P.S.- Kamarkhanda, Dist.-

Sirajgonj

7. Present address : Bely-8, Teachers Quarter, Institute of Leather Engineering and

Technology (ILET), University of Dhaka, 44-50, Hazaribagh,

Dhaka-1209

8. Marital status : Married.

9. Number of children : 1 (Daughter)

10. Nationality : Bangladeshi by Birth

11. Religion : Islam (Sunni)

12. Sex : Male

Expert's contact information: (e-mail soburahmed 2001@yahoo.com, phone 01714241847)

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available, as and when necessary, to undertake the assignment in case of an award. I understand that any misstatement or misrepresentation described herein may lead to my disqualification or cause for the dismissal of concerned proposal.

Sobur Ahmed 01/07/2021