

Curriculum Vitae (CV)

Name

Dr. Ali Elnaeim Musa



Profession

Associate Professor, Leather Tech. Dept., College of Applied and Industrial Sciences, University of Bahri.

Date of Birth

1962

Place of Birth

Um Ruwaba, North Kordofan State- Sudan

Nationality

Sudanese

Address

University of Bahri , College of Applied and Industrial Sciences, Department of Leather Technology. Khartoum - Sudan

E-mail: ali206w@hotmail.com

Education

1970-1976

Preliminary School

1976-1979

Intermediate School

1979-1982

Secondary School

1983-1988

B.V.SC Faculty of Veterinary Science- University of Khartoum

1996-1999	M.Sc Leather Technolgy and Production – Islamic Omdurman University- Faculty of Agriculture
2005-2009	Ph.D Leather technology, Juba University & Central Leather Research Institute (CLRI) , Chennai, India

Exerience Record

11 Sept.2013 – and till now	Associate Professor of Leather Technology , College of Applied and Industrial Sciences, University of Bahari
25th March 2012 – 10 Sept. 2013	Deputy Dean , College of Applied and Industrial Sciences, Department of Leather Technology
July 2011- 24th March 2012	Head of Department of Leather Technology (Industrial Department) , College of Applied and Industrial Sciences, University of Bahari
2009 – June 2011	Head of Department of Leather Technology, College of Applied and Industrial Sciences, University of Juba
2005-2009	Ph.D student, Central Leather Research Institute (CLRI) , Chennai, India
2000- 2005	Lecturer , Department of Leather Technology, Examination Officer, College of Applied and Industrial Sciences & Head of Dept. of Leather Technology
1999-2000	Leather technology specialist- Ministry of Animal Resources -Sudan
1996-1999	Student in higher Studies, M.Sc Leather Technolgy and Production, Omdurman Islamic University- Faculty of Agriculture
1995-1996	Director of Elobied Dairy Farm and Artificial Insemination, Ministry of Animal Resources -Sudan
1994-1995	Meat inspector - Elobied slaughterhouse, Ministry of

Sept. 1993- 1994	Animal Resources -Sudan Director of Veterinary Services- Bara Province Ministry of Animal Resources -Sudan
June 1993-August 1993	Director of Artificial Insemination Center-South Kordofan State, Ministry of Animal Resources - Sudan
1992-May 1993	Veterinary officer , meat inspector and vaccination team leader, Ministry of Animal Resources -Sudan
1989-1990	Joined Wad Elmamour Dairy Farm as Veterinarian

Training Courses

10 th Nov. 1992- 10 th Jan. 1993	Artificial Insemination Course in Cattle – National Artificial Insemination Center – (Kuku-Khartoum)
15 th Nov. 1997-10 th Dec. 1997	Hide and Skin Improvement Course (Hide and Skin Improvement Center- Omdurman)
13 th Dec. 1997-27 th Dec 1997	Animal health course (Khartoum Teaching Veterinary Hospital - Khartoum)
17 th May 1999- 5 th July 1999	Basic Immunology Course (Central Veterinary Research Laboratory – Soba -Khartoum)
15 th July 2000- 29 th July 2000	Artificial Insemination Course in Goats – National Artificial Insemination Center – (Kuku-Khartoum)
Feb. 2001- Aug. 2001	Automated Information System (Computer Studies Center, University of Juba)
Dec. 2006	Certificate of training, course in programming Visual Basic Net (VB.NET), (SSI Education, Chennai, India)
August 2007	Certificate of training, course in programming C,C++, Appollo Computer Education LTD (A Unit of Appollo Colleges Group, Chennai, India)
March 2008	Certificate of training, course in Master Training in Java Technology (Oracle, Web Designing, Core Java, XML, J2EE), Appollo Computer Education

26 th May 2012- 31 th May 2012	LTD (A Unit of Appollo Colleges Group, Chennai, India) Training Course in Curriculum Design and Development, University of Bahri, Directorate of Quality and Development.
15 th July 2012- 18 th July 2012	Training Course in Priciples of Qality and Evaluation, University of Bahri, Directorate of Quality and Development.

Teaching

Year	Course Name	Institution
2000 -2012	ILT 311 Theory of Tanning	University of Juba (Bahri), College of Applied and Industrial Sciences, Department of Leather Technology
	ILT 313 Hide and skin	
	ILT 321 Heavy Leather Manufacture I	
	ILT 411 Heavy leather manufacture II	
	ILT 413 Light leather manufacture I	
	ILT 421 Leather Dyeing and Finishing I	
	ILT 423 Light Leather Manufacture II	
	ILT 511 Leather Dyeing and Finishing II	
	ILT 513 Tannery Technology I	
	ILT 514 Quality Control of Leather	
	ILT 515 Pilot Plant Operation	
	ILT 521 Topics in Sudanese Leather Industry	
	ILT 523 Tannery Technology II	
	IBT 511 Immunology	
	IBC 325 Animal Physiology	
	IBC 525 Neurophysiology	
	IMI 416 Introductory parasitology	

	BT 514 Special Topics in Biochemistry	
	IBC 513 Protein Structure	
	Zoology (Biology II)	
	Food Biochemistry (5 th year Biochemistry)	
	Biosynthesis of Informational Molecules (4 th year)	
	Animal house techniques	
	Analytical Biochemistry	Diploma level
	Animal Physiology	
2010	Raw Materials for Leather Manufacture	University of Sudan for Sciences and Technology, College of Engineering, Department of leather and footwear engineering.
2012	Leathers Production and Animal Byproducts	University of Khartoum, Faculty of Animal Production, Department of Meat Production.
2013 and 2014	Advanced methods of chemical analysis	University of Sudan for Sciences and Technology, College of Engineering, Department of leather and footwear engineering.

Supervision

Degree	Remarks
Ph.D	Co-supervision, Ph.D in Leather Engineering, University of Sudan for Sciences and Technology, College of Engineering, Department of leather and footwear engineering. Khartoum –Sudan
M.SC	Co-supervision M.Sc , Treatment of industries waste, University of Bahri, College of Applied and Industrial Sciences, Department of Leather

	Technology – Khartoum –Sudan
M.SC	Supervision M.Sc, Characterization of Tannery Wastewater, University of Gezira, Deanship of Graduate Studies and Scientific Research – Madani – Sudan

Area of interest

Raw Hides and Skins improvement, Animal byproducts utilization, Leather Process Technology, Combination Tanning System, Cleaner Leather Processing, Leather Science, Human Resource Development, Development of Eco-friendly Tanning Process Systems. Collagen stability,

Memberships of Editorial Board

S.NO	Journal Name	Date
1.	Journal of Forest Products and Industries (JEPI) Website: http://www.researchpub.org/journal/jfpi/jfpi.html	2012
2.	Journal of Applied Environmental and Biological Sciences (JAEBS) website: www.textroad.com/Journals	2012
3.	Journal of Basic and Applied Scientific Research (JBASR) website: www.textroad.com/Journals	2012
4.	Continental Journal of Applied Sciences Website: http://www.wiloludjournal.com/ojs/index.php/cjapsci	2012
5.	Journal of Basic & Applied Sciences Website: http://www.lifescienceglobal.com/independant-journals/journal-of-basic-and-applied-sciences/editorial-board	2012
6.	International Journal of Engineering & Technology IJET-IJENS Website : http://ijens.org/IJENSResearchers%20Promotion%20Group.html	2012
7.	International Journal of Basic & Applied Sciences IJBAS-IJENS Website : http://ijens.org/IJENSResearchers%20Promotion%20Group.html	2012

8.	International Journal of Electrical & Computer Sciences IJECS-IJENS Website : http://ijens.org/IJENSResearchers%20Promotion%20Group.html	2012
9.	International Journal of Civil & Environmental Engineering IJCEE-IJENS Website : http://ijens.org/IJENSResearchers%20Promotion%20Group.html	2012
10.	International Journal of Video&Image Processing&Network Security IJVIPNS-IJENS. Website : http://ijens.org/IJENSResearchers%20Promotion%20Group.html	2012
11.	International Journal of Mechanical & Mechatronics Engineering IJMME-IJENS. Website : http://ijens.org/IJENSResearchers%20Promotion%20Group.html	2012
12.	Journal of Applied and Industrial Sciences Website: http://www.researchpub.org/journal/jais/jais.html	2012
13.	International Journal of Advance Industrial Engineering Website: http://inpressco.com/	2013
14.	World Science Publisher Website: http://worldsciencepublisher.org/people/editorial-board/	2013

Other activities

- Theoretical and practical training in physical testing of leather (national leather technology center-Khartoum).
- **Member** of Sudanese Veterinary council-Khartoum-Sudan.
- **Member** of Sudanese Veterinary Association -Khartoum-Sudan.
- **Attended** Sudanese veterinary association **conference**- kadogli 1993.
- **Attended** Arab veterinary association **conference** 1998 Khartoum Sudan.
- **Attended Fourth** Scientific conference – Animal Resources in Sudan 1999.
- **Member** of committee, **B.Sc Syllabus** for Leather and Footwear Engineering (2006) , University of Sudan for Science and Technology, College of Engineering, Department of leather and footwear engineering.

- **Attended 41st LERIG** (Leather Research Industry Get-Together)-2007, BEST (Benign environmental and sustainable technologies) organized by CLRI (Central Leather Research Institute) in association with all stake holders of the Indian leather sector- January 27-29, 2007 (CLRI, Chennai).
- **Attended India** International Leather Fair, January 31–February 03, 2007, Chennai Trade Centre, Chennai.
- **Attended 42st LERIG** (Leather Research Industry Get-Together)-2008, January 27-29, 2008 (CLRI, Chennai).
- **Attended India** International Leather Fair, January 31–February 03, 2008, Chennai Trade Centre, Chennai.
- Examination **Committee** Member, College of Applied and Industrial Sciences, University of **Juba**.
- **Member** of College council, College of Applied and Industrial Sciences, University of **Juba**.
- **Member** of committee, **B.Sc** Syllabus for Leather and Footwear Engineering (2011) , University of Sudan for Sciences and Technology, College of Engineering, Department of leather and footwear engineering.
- Attended **UNIDO-Sudan** Leather Mission, “Assessment and Recommendations.” By KP Lall & NK Chandra Babu , Ministry of Investment, Khartoum, June -2011.
- **Internal examiner**, **M.Sc** in biochemistry, Department of Biochemistry, College of Applied and Industrial Sciences, University of **Juba**.
- **Reviewer** for manuscript number (#12-06953), *Journal of Applied Spectroscopy*. 19/2/2013.
- Attended the **116th annual SLTC (Society of Leather Technologists & Chemists)** Conference on 27th April 2013 at the University of Northampton, Park Campus. UK.
- **Reviewer** for leather book “اساسيات تصنيع الجلود” , **Sudan** University of Science and Technology- Khartoum- Sudan 4/6/2013.
- **External examiner**, **M.Sc**. “*Study of Foot Anatomy for Shoe Making for Sudanese in Khartoum States*”, **Sudan** University of Science and Technology- College of Graduate Studies, Khartoum- Sudan. 29/8/2013.

- **External examiner, Ph.D** “*Development of Rural Direction to Cleaner Technology*”, **Sudan** University of Science and Technology- College of Graduate Studies. Khartoum- Sudan. 11/8/2014.
- **External examiner, Ph.D** “*Effect of Nutrition, Breed and Seasonal Changes on Skin/Leather Quality of Sudan Desert Sheep*”, **Sudan** University of Science and Technology- College of Graduate Studies. Khartoum- Sudan. 20/10/2014.
- **Reviewer** for manuscript number CTEP-D-13-00187. Journal of Clean Technologies and Environmental Policy, 2/9/2013-23/9/2013.
- **Reviewer** for manuscript number CTEP-D-13-00241. Journal of Clean Technologies and Environmental Policy, 7/10/2013-06/11/2013.
- **Reviewer for** manuscripts, Journal of Forest Products & Industries.
- **Reviewer for** manuscripts, Journal of Applied and Industrial Sciences.
- Attended the Regional Conference of **Genetic Improvement Role in Food Security for Africa**, Ministry of Livestock, Fisheries and Rangelands, March 29th 2014 – March 30th 2014
- Attended the **117th annual SLTC (Society of Leather Technologists & Chemists)** Conference on 26th April 2014 at the University of Northampton, Park Campus. UK.
- **Member** of the Council of Researches and Grants, Deanship of Academic Research University of Bahri, **05/6/2014**.
- **Attended and participated** in 10th *Asian International Conference on Leather Science and Technology November 23-26, 2014, Okayama Convention Center, Okayama, Japan..*

International publications

1. **Musa A.E.,** Madhan B., Madulatha W. Sadulla S. and Gasmelseed G.A. (2008), Henna Extract: Can it be an Alternative Retanning Agent? Journal of the *American Leather Chemists Association*, Vol. 103, pp. 188-193.

2. **Musa A.E.**, Madhan B., Madhulatha W., Raghava Rao J. and Gasmelseed G.A. and Sadulla S. (2009), 'Coloring of Leather using Henna - Natural Alternative Material for Dyeing', *Journal of the American Leather Chemists Association*, Vol. 104, pp. 183-190.
3. **Musa A.E.**, Madhan B., Swarna V.Kanth, Raghava Rao J., Chandrasekarab B, Gasmelseed G.A (2009) 'Cleaner Tanning Process for Upper Leather Processing', *Journal of Clean Techn Environ Policy*.
4. **Musa A.E.**, Madhan B., Aravind R., Raghava Rao J., Chandrasekaran B. and Gasmelseed G.A. (2009), 'Studies on Combination Tanning based on Henna and Oxazolidine,' *Journal of the American Leather Chemists Association*, Vol. 104, pp. 335-342.
5. **Musa A.E.**, Madhan B., Aravind R., Swarna V.Kanth, Raghava Rao J., Chandrasekaran B. and Gasmelseed G.A. (2011), 'Studies on Henna – Glutaraldehyde Combination Tanning System,' *Journal of the American Leather Chemists Association*, Vol. 106, pp. 92-101.
6. **Musa A.E.**, A. Tamil Selvi, Aravind R., Madhan B., Raghava Rao J., Chandrasekaran B.(2011), 'Evaluation of Antimicrobial Activity of lawsonia inermis (henna) against microbial strain isolated from goat skin/leather' *Journal of the American Leather Chemists Association*, Vol. 106 (5), pp 170-175.
7. **Musa A.E.**, Aravind R., Madhan B., Raghava Rao J., Chandrasekaran B.(2011), 'Henna-Aluminum Combination Tannage: A Greener Alternative Tanning System ' *Journal of the American Leather Chemists Association*, Vol. 106 (6), 190-199.

8. **Musa A.E.**, Madhan B., and Gasmelseed G.A. (2011), 'Aluminium-Vegetable Combination Tannage for Production of Shoe Upper Leathers' U of K *J. Vet. Med. & Anim. Prod.*, Vol. 2, No. 1, (57-81).
9. **Musa A.E.**, and and Gasmelseed, G.A. (2012), Upgrading of Rural Garad-Tanned Crust Leathers. *J. Soc. Leather Technol. Chem.* 96 (1), 27-31.
10. **Musa, A.E** and Gasmelseed G.A (2008), 'Utilization of Indigenous Tannins for Chrome Retannage' *Industrial Reseach Journal*, Vol 6, pp 90-97.
11. **Musa, A.E** and Gasmelseed G.A (2012), 'Characterization of Lawsonia inermis (Henna) as Vegetable Tanning Material'. *Journal of Forest Products & Industries*, Vol 1(2), pp 35-40.
12. **Musa A.E.**, and and Gasmelseed, G.A., (2012). Combination Tanning System for Manufacture of Shoe Upper Leathers: Cleaner Tanning Process. *J. Soc. Leather Technol. Chem.* 96(6),239-245.
13. **Musa A.E.**, and Gasmelseed, G.A., (2013). Eco-friendly Vegetable Combination Tanning System for Production of Hair-on Shoe Upper leather. *Journal of Forest Products & Industries*, 2(1), 5-12.
14. Salma A.A Sharaf , Gurashi.A.Gasmeleed and **Musa A.E.** (2013). Extraction of Chromium Six from Chrome Shavings. *Journal of Forest Products & Industries.*, 2(2), 21-26.
15. **Musa A.E.**, and Gasmelseed, G.A., (2013). Development of Eco-friendly Combination Tanning System for the Manufacture of Upper Leathers. *International Journal of Advanced industrial Engineering*, vol 1, 9-15.

16. Salma A.A Sharaf , Gurashi.A.Gasmeleed and **Musa A.E.** (2013). Reduction of hexavalent chromium from chrome shavings. *Journal of Advanced industrial Engineering*, 1 (1) , 24-27.
17. **Musa A.E.**, and Gasmelseed, G.A., (2013). Semi-Chrome Upper Leather from Rural Goat Vegetable Tanned Crust. *Journal of Applied and Industrial Sciences*, 1 (1), 43-48.
18. G. A. M. Kudit, I. A. Noor, G.A Gasmelseed and **A.E Musa.** (2013). Effect of Reused Salt and Biocide Preservation Method on Some Physical Characteristics of Sheep Leather: Part I. *Journal of Applied and Industrial Sciences*, 1(2), 51-60.
19. G. A. M. Kudit, I. A. Noor, G.A Gasmelseed and **A.E Musa.** (2013). Effect of Reused Salt and Biocide Preservation Method on Some Chemical Characteristics of Sheep Leather: Part II. *Journal of Applied and Industrial Sciences*, 1(2), 61-69.
20. Rawia. S.Hassan , Gurashi.A. Gasmelseed, B. A. Karama, and **A.E Musa,** (2013). A short-Cut Method for Designing Multi-Component Fractionation Column. *Journal of Applied and Industrial Sciences*, 1(3), 44-48.
21. S.B Ali, H.E Haroun and **A.E Musa.** (2013). Haraz Bark Powder Extract for Manufacture of Nappa Upper leather as Alternative Retanning Agent. *Journal of Forest Products & Industries.*, 2(5), 25-29.
22. S.B Ali, H.E Haroun and **A.E Musa.** (2013). Alternative Combination Tanning System Based on Haraz and Aluminium for High Stability Leather. *Journal of Forest Products & Industries.*, 2(6), 26-33.

23. **Musa A.E.**, and Gasmelseed, G.A., (2014). Application of *Acacia nilotica* spp *nilotica* Pods (Garad) Powder as Alternative Vegetable Retanning Material. *Journal of Forest Products & Industries*, 3(2), 112-117.
24. Faki E.F. Mohammed, Gasmelseed, G.A, Ibrahim. H. Elamin, **Musa A.E.**, (2014). Improvement and Upgrading of Rural Tanneries. *Journal of Forest Products & Industries*, 3(3), 130-140.
25. Islam1, B.I., **Musa, A.E.**, Ibrahim, E.H. and Salma A.A Sharafa , and Babiker M. Elfaki, (2014). Evaluation and Characterization of Tannery Wastewater. *Journal of Forest Products & Industries*, 3(3), 141-150.
26. Ahmed, N. O., Gasmelseed , G. A. and **Musa A.E** , (2014). Assessment of Medical Solid Waste Management in Khartoum State Hospitals. *Journal of Applied and Industrial Sciences*, 2(4), 201-205.
27. **Musa A.E.**, and and Gasmelseed, G.A. (2014), Green technology for leather manufacturing: Combined organic tanning based on Garad and Glutaraldehyde. *10th Asian International Conference on Leather Science and Technology November 23-26, 2014, Okayama Convention Center, Okayama, Japan..*