

## **CURRICULUM VITAE – 2017**

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### **QUALIFICATIONS:**

- 2012 Master of Science in Textile Technology, University of Bahir Dar, Ethiopian Institute of Technology for Textile and Fashion (EiTEX), Bahir Dar, Ethiopia
- 2008 B.Sc. in Textile Engineering, University of Bahir Dar, Ethiopian Institute of Technology for Textile and Fashion (EiTEX), Bahir Dar, Ethiopia
- 2004 Advanced Diploma in Textile Technology, University of Bahir Dar, Ethiopian Institute of Technology for Textile and Fashion (EiTEX), Bahir Dar, Ethiopia

### **Work Experience**

June 2016- Present:

Assistant Professor, University of Bahir Dar, Ethiopian Institute of Technology for Textile and Fashion (EiTEX)

- ✓ Teaching textile coloration (printing and dyeing) courses to postgraduate and undergraduate students. The focus is on conceptual clarity in the classroom and practical training in the laboratory. (Theory into Practice)
- ✓ Thesis advising to undergraduate students which encompasses practising stepwise research methodologies for successful completion of their work.
- ✓ Project coordinator: conceptualising the idea, project proposal, execution of research work, periodical presentation of the results before panel of experts, project report submission, dissemination of the research findings, etc

2012-2016: Lecturer, University of Bahir Dar, Ethiopian Institute of Technology for Textile and Fashion (EiTEX)

2009-2012: Assistant Lecturer, University of Bahir Dar, Ethiopian Institute of Technology for Textile and Fashion (EiTEX)

2008-2009: Graduate Assistant II, University of Bahir Dar, Ethiopian Institute of Technology for Textile and Fashion (EiTEX)

2006-2008: Technical Assistant III, University of Bahir Dar, Ethiopian Institute of Technology for Textile and Fashion (EiTEX)

2004-2006: Technical Assistant II, University of Bahir Dar, Ethiopian Institute of Technology for Textile and Fashion (EiTEX)

**Research Interest Areas:**

- ✓ Research on best available techniques for improved textile wet processing technologies and processes and their implementation for improved quality and productivity with reduced production cost.
- ✓ Working on setting up small scale projects in yarn bleaching and dyeing, fabric dyeing and printing, finishing of textiles for applications like shoe, umbrella, technical textiles etc for job creation of young Ethiopians, especially women.
- ✓ Preparing technical training manuals for technicians in textile mills and giving training for the same.
- ✓ Research on application of new technologies like bioprocessing, application of supercritical carbon dioxide, plasma, ionic liquids etc in wet processing of textiles in Ethiopian mills for improved quality with less health and environmental impact and reduced energy cost.

**Activities on industry institute linkage**

Worked as a member of Technology transfer group in chemical processing area

- ✓ Responsible for strengthening the linkage between the institute and textile industry.
- ✓ Conducting technical surveys of wet processing department of textile mills in Ethiopia with a view to improving product quality and increase productivity
- ✓ Prepared training manuals for textile mill technicians on three different modules: 1. **Implementation of Combined Pretreatment Process for Cotton Fabric;** 2. **Implementation of Reactive Dyeing Process for Cotton Fabric;** 3. **Wet processing chemicals quality analysis**
- ✓ Conducted technical training programs in textile mills (for mill technicians) in these three modules for Kombolcha and Bahir Dar Textile Share Companies
- ✓ Trained mill technicians in the area of textile testing and instrumental analysis of dyes and chemical auxiliaries

**Activities on community services-** These services were assigned by the Government of Ethiopia to the academic institutions to help disseminate technical knowledge to the people in the society in a simple manner for their easy understanding. The service is voluntary to the academic staff members.

- ✓ Conducted training on yarn pre-treatment, bleaching and dyeing for a number of small scale enterprises, including Awramba community (certified).
- ✓ Conducted training on printing and dyeing of textile materials for a number of small scale enterprises, including Awramba community (certified).

### **PUBLICATIONS:**

1. Optimization of caustic soda concentration for causticization of cotton, *OMICS open scientific reports*, doi:[10.4172/scientificreports.448](https://doi.org/10.4172/scientificreports.448), Vol. 1, [9], 2012
2. Causticization followed by combined desizing, scouring and bleaching of cotton fabric, *Colourage*, Vol.-44, March 2013.

### **Presentation at Conference:**

1. Community service in imparting yarn dyeing training to handloom weavers for skill development and value added product diversification, *Presented at the 2nd International Conference on Cotton, Textile and Apparel Value Chain in Africa, CTA 2013*, Ethiopian Textile and Fashion Technology Institute, BDU, Ethiopia. Book of papers

### **Rewards and Certificate of Appreciation**

- Training on Project Proposal preparation and Writing, from May 30 to June 2, 2013, by DeMar Ethiopia, at EiTEX
- Learner centred method of instruction and measurement and evaluation in higher learning institutions, from Oct. 28-Nov 1<sup>st</sup> 2004.
- Improving to teach training in July 2010 focusing on pedagogy +didactics, communication + Rhetoric, Microteaching
- Improving to teach training in July 2011 focusing on scientific writing
- Basic screen printing techniques, under DIF project, from 27/04 to 6/05/2009

### **Administration**

- ✓ Currently performing a role of the postgraduate programs head at Ethiopian Textile and Fashion Technology Institute, BDU, Ethiopia
- ✓ Worked as a coordinator for different academic activities in EITEX
- ✓ Regular member of EiTEX International conference organization committee
- ✓ Worked as member of standardization technical committee about sizing, finishing materials, dyestuff & pigments for two years; technique committee 71 (TC 71) ETHIOPIA STANDARDS AGENCY

Tamene Wagaw (Assistant Professor)

Signature

