

## **CURRICULUM VITAE**

### **BIO DATA**

**NAME**

ALICE W. WAITHAKA

**CITIZENSHIP**

KENYAN

**DOB**

16<sup>th</sup> SEPTEMBER 1973

**LANGUAGES**

ENGLISH, KISWAHILI AND KIKUYU

**CONTACTS**

PERMANENT

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NAIROBI, Kenya

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### **EDUCATION BACKGROUND**

**2013.2017**

Kenyatta University

**MSc Environmental Science.**

**1993.1998**

Moi University. **Bachelor of Technology**

**Textile Engineering. (*BTech.Textile Eng*).**

**1988.1991**

Kituro High School. **Kenya Certificate of Secondary Education (KCSE)**

**1980.1987**

Minjore Primary School

**Kenya Certificate of Secondary Education (KCPE)**

### **PROFESSIONAL TRAINING**

**1995**

#### **WORKSHOP PRACTICE**

Kenya Textile Training Institute.

Moi University Laboratories

**2002**

Trainer and managerial course on garment making technology (TOPS) by Kurt Salmon and Company Associates

**2009**

Project Cycle Management (Kenya Institute of Administration)

Kenya Bureau of Standards

**2010**

Scientific Communication and Publishing (TCC Chiromo Campus)

**2017**

ISO 9001:2015 Quality Management System Training

### **COMPUTER PROFICIENCY**

Microsoft word, Excel and Access

(SPSS)Statistical Package for Social Sciences. GANTT project

## **WORK EXPERIENCE**

### **Current**

Kenya Industrial Research and Deveopment. Institute (KIRDI). (Ag. Assistant Director- Research Technology and Innovation)

**2002-2005**

Alltex E.P.Z.Athi River. (Industrial Engineering/Line Manager

**2001-2002**

Rolex Garments/Union apparels. Management Trainee/Quality Assurance Supervisor.

## **RESEARCH WORK AND PUBLICATIONS**

**1998:** Investigation into process Quality Control During pretreatment of woven cotton goods for dyeing and printing-5<sup>th</sup> year project-Moi University

**2006:** Technology needs assessment for value addition to cotton at farm-gate level

**2008:** Development of a grading and standardization system for Kenyan cotton.

**2009:** Design and fabrication of creeling, warping and beaming system to increase Productivity and improve fabric quality in handloom weaving.

**2011:** Utilisation of Hibiscus Sabdariffa L24 for fibre extraction.

**2013:** Challenges and prospects of sericulture in Kenya

**2015-2016:** Development of sanitary pads from bamboo and banana pulp.

**2014-2017:** Development of value added products from banana pseudostem.

**2017:** Wastewater management in cotton wet processing in Thika Cloth Mills in Kiambu County, Kenya

## **SEMINAR/CONFERENCE/ WORKSHOP**

**2008:** Attended and presented a paper on the role of Research and Technology development to small and medium enterprise development, organized by Terra-Nuova-July. Nairobi.

**2009:** Attended and presented a paper on Research and Development on hand woven textile products, at a Workshop organized by Kenya Bureau of Standards. 2<sup>nd</sup> Dec. Nairobi.

**2010:** Discussant in a Workshop on Handicraft sector competitiveness, organised by VSO jitolee 29th Jan, Nairobi.

**2010:** Workshop on Intellectual Property Rights, organized by KIRDI IP Unit in June. Nairobi

**2010:** Workshop on alcohol and drug abuse: organized by KIRDI, 31st March. Nairobi

**2011:** Authored and presented a paper on utilization of Hibiscus Sabdariffa fibres for sustainable Development of the textile industry –An international conference organized by Moi University/VLRIL Belgium at Kisumu-10<sup>th</sup> -13<sup>th</sup> February.

**2011:** Workshop on ISO-Organized by KIRDI

**2012:** Workshop on Heritigisation-organised by IFRA-January Nairobi

**2012:** The 4<sup>th</sup> RMUTP International Conference: Textiles and Fashion 3<sup>rd</sup> & 4<sup>th</sup> July, Pullman Bangkok King power Hotel, Bangkok, Thailand. Presented a paper on: The Use of Monte Carlo techniques to study yarn Hairiness for ring spun cotton yarns

- 2015:** National fibre crops conference organized by AFFA (Fibre Crops Directorate) -“Wool Industry Status in Kenya Utalii hotel, Nairobi- Kenya- 28<sup>th</sup> -29<sup>th</sup> July.
- 2016:** Fibre crops workshop at AFFA. “Value Addition Processing Technology Development”. Nairobi, Kenya-29<sup>th</sup> June.
- 2016:** Development of national cotton classing systems in Kenya and Mozambique- Workshop. Nairobi, Kenya-14<sup>th</sup>-15<sup>th</sup> July.
- 2016:** Kenyatta University postgraduate Seminar: Wastewater management in cotton wet Processing in Thika Cloth Mills in Kiambu County, Kenya. Nairobi Kenya. 1<sup>st</sup> November.
- 2018:** Bio Innovate full proposal writing workshop: 3-4<sup>th</sup> May. ICIPE-Nairobi, Kenya

## **REFEREES:**

Prof. John Githaiga  
Dept of Manufacturing, Industrial and Textile  
School of Engineering  
Moi University  
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