# CURRICULUM VITAE

**MBURU ANN WAIRIMU**

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| **Personal Details;**  **Working Experience;** | **Nationality:** Kenyan  **ID Number:** 22709568  **Marital Status:** Married.  **Place of Birth:** Murang’a  **Religion:** Christian  **Address:** P.O. Box 30650 (00100), Nairobi  **Mobile:** +254 0728 063 557   1. **mail Address**: wairimuann012@gmail.com   **Organization: Kenya Industrial Research and Development Institute (KIRDI)**   * **Position:** Research Scientist * **Period:** December 2012- To Date * **Responsibilities**: * Participate in the formulation and implementation of research project proposals * Preparing reports and technical/scientific publications * Carrying out collaborative research with industry and other relevant institutions and in reviewing resource budgeting, utilization and management * Identify research innovations that have practical significance and devise strategies for their implementation   **Organization: Rivatex East Africa Ltd**   * **Position:** Assistant ProcessingManager * **Period:** May 2008- April 2012 * **Responsibility:** * Colour Kitchen/Laboratory operations supervision and coordination * Fabrics processing quality control |

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| **Academic Qualifications;**  **Refereed Journal Publications;**  **Authored Conference papers;**  **Co- Authored conference papers;** | **PhD, Materials and Textiles Engineering**  **Institution:** Moi University. Eldoret, Kenya.  **Status:** Ongoing  **Master of Science (MSc.) in Textile Engineering**  **Institution:** Moi University. Eldoret, Kenya.  **Year of Completion**: September, 2015  **Bachelor of Technology (B.Tech), Textile Engineering**  **Institution:** Moi University. Eldoret, Kenya   * **Year of Completion:** October, 2007**.** * Mburu A. W., Mwasiagi J.I & Anino E.O. (2015). “Optimization of cotton wax removal using bacteria isolate from gin trash”. *The Journal of The Textile Institute*. DOI:10.1080/00405000.2014.1000014 * Mburu A. W., Mwasiagi J.I & Anino E.O. (2015). “Isolation and characterisation of bacteria isolate from gin trash and its use in cotton wax degradation”. *Biotechnology, An Indian Journal, 11(6),* 225-232. * **“*Challenges and prospects of sericulture in Kenya”*** presented in the proceedings of the 2nd International Textiles and Costume Congress, Kasetsart University, Bangkok, Thailand on 28th to 29th October, 2013. * **“*Development of a highly absorbent and antibacterial biodegradable sanitary pad from bamboo.”*** Presented in proceedings of the 2nd National Science, Technology and Innovation Week at KICC on 13th to 17th May 2013. * **“*A study of bacteria isolate from gin trash for cotton fibre wax removal during bio scouring.”*** presented in proceedings of the 9th Annual International Conference, Moi University, Eldoret on 3rd to 7th September, 2013. * “***Position of silk fibre production in Kenya***” Presented in proceedings of the 6th Annual International Conference – Moi University, School of Engineering Papers on 8th September, 2010. * ***“Use of Regression model to predict Sizing.*** Presented in proceedings of the 6th Annual International Conference – Moi University, School of Engineering Papers on 8th September, 2010. * ***“Supplementing Household Incomes through sericulture technology.”*** Presented in proceedings of the 2nd Kenyatta University School of Agriculture and Enterprise Development Biannual International Conference on 29th Nov. to 2nd Dec. 2016. * ***“Potentiality of natural dye production and use in Makueni and Laikipia counties, Kenya.”*** Presented in proceedings of the 3rd National Science, Technology and Innovation Week at KICC on 19th to 23rd May 2014. |
| Utility Models Granted;  Research Projects successfully completed;  Professional Body Membership;  Referees; | **Title:** Sanitary Pads from Bamboo and Banana Stems pulp  **Utility Model Number:** 204  **Application Number:** KE/U/2015/573  **Title:** Sanitary Pads from Bamboo Pulp  **Utility Model Number:** 203  **Application Number:** KE/U/2015/571  **Title:** Development of Sanitary Pads from Bamboo  **Period:** 2014-2016  **Outcomes:** sanitary pads Prototypes, Trainings, MOUs    **Title:** Characterization of Banana Fibre for Value Addition and Technology Transfer a  **Period:** 2017-2018  **Outcomes:** packaging Prototype product developed  Engineers Registration Board  Dr. Kenneth Chelule  Chief Research Scientist  Kenya Industrial Research and Development Institute (KIRDI)  P.O Box 30650 (00100)  Nairobi.  Email;ddrti@kirdi.go.ke   1. Prof. Josephat Mwasiagi 2. Department of Industrial and Textile Engineering 3. School of Engineering, Moi University 4. P.O Box 3900 (30100), Eldoret 5. Email; igadwa@gmail.com 6. Dr. Joseph Kinyanjui Muiruri 7. HOD, Textile Division   Kenya Industrial Research and Development Institute (KIRDI)  P.O Box 30650 (00100)  Nairobi.   1. Email; jsphkinyanjui@gmail.com |