

## Joshua Wafula

**Mailing Address: 429, Kakamega, Kenya**

**Telephone Number: (+254)717284235**

**Email Address: [j.wafula@cgiar.org](mailto:j.wafula@cgiar.org)**

**Skype Name: Okumu Joshua**

**LinkedIn Profile: <https://www.linkedin.com/in/joshua-wafula-739b9583/>**

### Professional Profile

- *Research assistant with over 3 years of work experience*
- *Experienced in investment decision modeling, analysis and support*
- *Supported investment decisions for different organisations including the Intergovernmental Authority on Development (IGAD) in its programme on biodiversity management.*
- *Currently working with decision-makers from Kakamega County, Kenya, to assess the impact of fertilizer subsidies on smallholders farmers.*

### Professional Experience

#### **World Agroforestry Centre (ICRAF)**

**Nairobi, Kenya**

#### **Research Fellow (Decision Analysis)**

**August 2017- present**

- Assessing the impact of fertilizer subsidy programmes on smallholder farmers in Kakamega County, Kenya.
- Providing decision support to WeForest in its efforts to restore Desa'a forest in Northern Ethiopia

#### **World Agroforestry Centre (ICRAF)**

**Nairobi, Kenya**

#### **Research Assistant (Decision Analysis)**

**July 2014- July 2017**

- Identification of costs, benefits and risks associated with the proposed interventions
- Identification of key stakeholder groups and subject matter experts and interviews with a sample of them to ensure all decision-relevant issues are captured in the decision model
- Assistance with the elicitation of subjective probability estimates of model variables
- Elicitation of estimated variable ranges from subject matter experts and stakeholders
- Survey of relevant literature to help establish variable ranges
- Follow-up surveys where needed
- Assistance with interpretation of results of the risk-return analysis and formulation of recommendations
- Contribution to reports/ papers
- Contribution to funding proposals

#### **Topimage Limited**

**Nairobi, Kenya**

#### **Trade Development Representative Safaricom**

**November 2012- December 2013**

- Training and leading a team of qualified M-PESA dealers, agents and sub-agents in Nairobi, Kisumu and Kisii
- M-PESA till delivery and activation
- Conducting market research to assess the viability of new products

### Education

**Master's Degree  
Management Information Systems (MIS)**

**Kenyatta University  
2017 -present**

- Research thesis on “Scientific Advice and Foresight in Complex Systems: Lessons from Smallholder Fertilizer Subsidy Programs in Kakamega County, Kenya”

**Bachelor's Degree  
Microbiology General**

**Kenyatta University  
2010-2016**

- Attachment in the soil-plant spectral diagnostics laboratory (ICRAF)

**Additional Skills**

- Expertise in R programming language
- Expertise in Microsoft Office- Word and Excel
- Excellent communication skills

**Publications**

- Wafula J, Karimjee Y, Tamba Y, Malava G, Muchiri C, Koech G, De Leeuw J, Nyongesa J, Shepherd K and Luedeling E. (2018). Probabilistic assessment of investment options in honey value chains in Lamu County, Kenya. *Frontiers in Applied Mathematics and Statistics* 4: 6-11. <https://doi.org/10.3389/fams.2018.00006>
- Signs M, Wafula J, Tamba Y, Hunt A and Shepherd K. (2019). Fixing forests: how Decision Analysis is working on the ground in East Africa. <https://wle.cgiar.org/thrive/2019/03/23/fixing-forests-how-decision-analysis-working-ground-east-africa>
- Wafula J, Tamba Y, Muchiri C, Shepherd K, Luedeling E and Whitney C. (2019). Scientific Advice and Foresight in Complex Systems: Lessons from Smallholder Fertilizer Subsidy Programs in Kakamega County, Kenya (in preparation)

**Referees**

Dr. Keith Shepherd  
Science Domain Leader-Land Health Decisions,  
World Agroforestry Centre  
Tel: +254-20-722-4000  
Email: [K.SHEPHERD@cgiar.org](mailto:K.SHEPHERD@cgiar.org)

Dr. Eike Luedeling  
Head of Department of Horticultural Sciences  
University of Bonn  
Auf dem Hügel 6  
53121 Bonn  
Email: [luedeling@uni-bonn.de](mailto:luedeling@uni-bonn.de)

