

## DEPARTMENT OF EARTH SCIENCES



**Name of Staff:** Dr. Veronicah Njeri Kimani

**Designation/Rank:** Lecturer

**Laikipia University:** School of Science and Applied Sciences

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### **Educational Background/Qualification:**

- Ph.D. - Plant Nutrition (Plant-microbe interactions), Nanjing Agricultural University, PR China, 2016.
- Master's in Environmental Science (Environmental Pollution and Control), Egerton University, Njoro, Kenya, 2010.
- Bachelor's in Agriculture Education and Extension, Egerton University, Njoro, Kenya, 2005.

### **Brief Autobiography of the Faculty/Staff**

Have over ten years of teaching experience in Environmental Science - Environmental Pollution and Management and six years of hands-on experience in environmental microbiological research activities in various projects at local and international levels. Over ten years experience in consultancy services in Environmental Impact Assessment and Audit as well as Sustainability, Climate Change, and Climate Smart Agriculture. Eight years of working experience in agricultural extension services to farmers in Kenya under the Ministry of Agriculture, Livestock and Fisheries.

### **Research Interest**

1. Plant Nutrition (Plant-microbiome interactions, Rhizosphere Biology, Plant Growth Promoting Rhizobacteria)
2. Environmental Pollution and Management
3. Environmental Impact Assessment and Audit

4. Climate Smart Agriculture
5. Biofertilizers

### All Publications

1. Orina, C. N., **Kimani, V. N.**, Moturi, W. N., & Sishia, S. K. (2023). Handling procedures of pharmaceutical waste among medical facilities in Nakuru. *Journal of environmental sciences and technology*, 2(1), 91-100
2. <https://doi.org/10.51317/jest.v2i1.353>
3. B. Mutua, V. Ngure, W. Chiuri, **V. Kimani**, Parthenium Weed (*Parthenium hysterophorus* L.) Effects on the Yield of *Brassica oleracea var. acephala*, 2022, *Acta Horticulturae*.
4. Mutua, B. M., Chiuri, W., Ngure, V., & **Kimani, V.** (2022). Distribution of parthenium weed (*Parthenium hysterophorus*) in Nakuru County, Kenya. *Journal Of Environmental Sciences And Technology*, 1(1), 48-57.
5. <https://www.researchgate.net/deref/https%3A%2F%2Fdoi.org%2F10.51317%2Fjest.v1i1.295>
6. **Kimani V.N**, Chen L, Liu Y, Raza W, Zhang N, Kamau L.N, Shen Q, Zhang R: Characterization of extracellular polymeric substances of *Bacillus amyloliquefaciens* SQR9 induced by root exudates of cucumber. *Journal of Basic Microbiology* 06/2016; DOI:10.1002/jobm.201600104
7. Lin Chen, Yunpeng Liu, Gengwei Wu, **Veronicah Njeri Kimani**, Qirong Shen, Nan Zhang, and Ruifu Zhang (2016): Induced maize salt tolerance by rhizosphere inoculation of *Bacillus amyloliquefaciens* SQR9. *Physiologia Plantarum* 02/2016; DOI:10.1111/ppl.12441
8. **Veronicah Njeri Kimani**, Steve Oduor, Wilkister Moturi: Use of wastewater in crop production - A case study from Kenya: Assessment of wastewater quality for potential use in vegetable production - a case study of Egerton University WSPs. LAP LAMBERT Academic Publishing, 09/2011; LAP LAMBERT Academic Publishing., ISBN: 3845428414.

### Project Supervision

- Clare Nyaboke Orina, Laikipia University - Analysis of Handling and Disposal of Pharmaceutical Waste among Medical Facilities and their Contribution to Environmental Pollution in Nakuru Town, Nakuru County, Kenya.

- Boniface Muli, Laikipia University - Distribution, Effects, and Control of Parthenium Weed (Parthenium hysterophorus L.) in Nakuru County, Kenya.

### **Conferences Attended**

- Laikipia University 5<sup>th</sup> Biennial International Conference, 24<sup>th</sup> -26<sup>th</sup> May, 2023, Laikipia University
- 34<sup>th</sup> WEDC International Conference; Date - 01/2009 Addis Ababa - The presentation title - Assessment of wastewater quality for crop production: Case studies of Egerton University and Nakuru wastewater stabilization ponds. V N Kimani, S O Oduor, J Aguyo, W O Moturi
- The Global Confederation of Higher Education Associations for the Agricultural and Life Sciences (GCHERA) conference; Date - 09/2015 Nanjing Agricultural University, PR China

### **Workshops & Seminars**

- Training workshop on Competency Based Curriculum (CBC), Laikipia University, May 5, 2023

### **Consultancies**

- Environmental Impact Assessment and Audit
- Climate Change Awareness Kenya
- SMART Agricultural/Livestock Extension Services