KARATINA UNIVERSITY

STAFF PROFILE TEMPLATE

1. **Name:** [Dr. Dennis Maina]
2. **Designation**: [Lecturer, HoD Agricultural Sciences]
3. **Employment details**

   School: [Agriculture and Biotechnology]

   Department: [Agricultural Sciences]

4. **Contact Information**

   Email Address (dgatahi@karu.ac.ke / denmaagkenya@gmail.com):

   Research Links: **[**https://orcid.org/0000-0003-4099-5754**]**

4. **Describe your professional self**

Dr. Dennis Maina is a Horticulturist, Applied Nanotechnologist and Lecturer. Dennis has teaching, research, outreach, industrial production and management skills acquired from the varied working experiences. Also, a trainer of trainers on Integrated Pest management, Organic Farming,

Sustainable/Conservation Agriculture, Good Agricultural Practices, Greenhouse Farming, Food Safety Management System and Safe Use of Agrochemicals. My research skills are in application of organic nanopolymers and use of biological agents in solving agricultural challenges to increase food quality and quantity with maximum environmental care. I am a member of the Horticulture Association of Kenya

5. **Area/ Field of specialization**: [Horticulture; Organic Agriculture]

6. **Research interests**: Applied nano-agrochemicals, Organic agriculture, organic polymers, environmental conservation, regeneration agriculture, value addition]

7. List some of your key published works.

1. Gatahi D., Kihurani A. and Wanyika H. (2022). Control of Bacterial Wilt in Tomato Using Chitosan Intercalated with Tea Extracts. Afr. J. Hort. Sci.(March 2022) 19:1-12 https://www.journal.hakenya.net
2. Gatahi D. and Nyoro F. (2021). Effect of Drying Method on Volatile Nutraceuticals and Microbial Growth in *Moringa oleifera.* International Journal of Horticultural Science and Technology. Vol. 8, No. 4, pp. 315-322 https://doi.org/10.22059/ijhst.2021.313592.411
3. Gatahi D. M. (2020). Challenges and Opportunities in Tomato Value Chain and Sustainable Standards. International Journal of Horticultural Science and Technology Vol. 7, No. 3; pp 235-262 10.22059/ijhst.2020.300818.361