



RESEARCHER ID :

SCOPUS ID :

ORCID:

Position: Assistant Research Scientist
(Biotechnology)

1. PERSONAL INFORMATION

- 1.1. NAME Susan Wanjiku Karani
- 1.2. ADDRESS P.O Box 20412-00200, Nairobi
- 1.3. PHONE 0790968602
- 1.4. EMAIL ADDRESS suzieshiku@gmail.com, susanwanjiku850@yahoo.com or swanjiku@kefri.org
- 1.5. NATIONALITY Kenyan
- 1.6. GENDER Female

2. QUALIFICATIONS

2.1. Academic Qualifications

2009– 2013 Bachelor of Technology, Industrial Microbiology and Biotechnology,
The Technical University of Mombasa

2015-present Masters of Science in Biotechnology
Kenyatta University, Nairobi

2.2. Key Competencies

3. Identification of tree diseases.
4. Data collection and analysis.
5. Development of research concepts and proposals.
6. DNA extraction, PCR and Gel. electrophoresis.

7. DNA sequence editing and analysis.
8. Tissue culture

- Other Courses

9. EMPLOYMENT HISTORY

March 2019 - March 2020	Assistant research scientist. (Contractual intern) Kenya Forestry Research Institute, Nairobi.
Nov 2017 – Feb 2019	Assistant Research scientist. (Intern) Kenya Forestry Research Institute, Nairobi
Oct 2016 – Nov 2017	MSc. Research fellow World Agroforestry Centre, Nairobi (ICRAF)
Jan 2015 – Jun 2015	Intern Kenya Forestry Research Institute, Nairobi
Sep 2013 – Dec 2013	Intern Government Chemist, Mombasa
Jan 2012 – April 2012	Attaché Kenya Medical Research Institute

10. ADMINSTRATIVE RESPONSIBILITY

May 2020 : Assistant Research Scientist, Central Highlands Eco-region Research Programme, Kenya Forestry Research Institute (KEFRI), P.O Box 20412 - 00200 Nairobi, Kenya.

11. PUBLICATIONS

11.1. Journal papers

Karani S., Njuguna J., Muchugi A., Runo S. and Machua J. Molecular identification of fungi causing canker and dieback diseases on *Vangueria infausta* (Burch) subsp. *rotundata* (Robyns) and *Berchemia discolor* (Klotzsch) Hemsl in lower Eastern Kenya. (Accepted but not yet published)

- 11.2. Books
- 11.3. Book Chapter
- 11.4. Technical Notes /Protocols/Guidelines
- 11.5. Policy Briefs

12. RESEARCH

12.1. Completed

Characterization of fungi associated with Vangueria rotundata and Berchemia Discolor in Lower Eastern Kenya using molecular techniques (Masters research work)

12.2. Ongoing research

Propagation of Melia volkensii elite clones through tissue culture.

Propagation of Bamboo through tissue culture

12.3. Mentorship and supervision

13. INNOVATIONS AND PATENTS (Intellectual Property)

14. CONFERENCES/SEMINARS/WORKSHOPS

14.1. Presentation of Papers at Academic and Professional Conferences

14.2. Participation in Workshops/Conferences

14.3. Convening/Coordinating Conferences

15. PROFESSIONAL ENGAGEMENT

15.1. Training

15.2. Consultancies

15.3. Collaboration with external organizations

16. EXTERNAL AND INTERNAL RESEARCH GRANTS

Include research grants won

17. LOCAL, REGIONAL & INTERNATIONAL APPOINTMENTS

17.1. Local

17.2. Regional

17.3. International

18. AWARDS AND RECOGNITION

19. CONTRIBUTION TO KEFRIs ADVANCEMENT

20. MEMBERSHIP TO PROFESSIONAL BODIES

21. REFEREES

Dr. Jane Wangu Njuguna,
Senior Deputy Director, KEFRI.
P.O BOX 20412-00200
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Joseph Machua,
Chief Research Scientist, KEFRI.
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