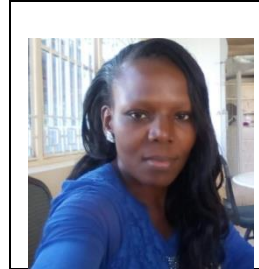


CURRICULUM VITAE

PERSONAL INFORMATION

Name: Dr Anncarol Karanja



Qualification: PhD
Department: Biochemistry, Microbiology & Biotechnology
Designation/Position: Lecturer
Mobile phone: +254 716 631 183

E-mail: anncarolx@gmail.com
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Area of Specialization: Microbiology
Research Interests: Environmental Microbiology, Agricultural Microbiology

ACADEMIC & PROFESSIONAL QUALIFICATIONS

2014-2018: Kenyatta University
Doctor of Philosophy (Microbiology)

2003-2008: Kenyatta University
Master of Science (Microbiology)

1999-2002: Kenyatta University
Bachelor of Education Science (Biology & Chemistry)

1994-1997: Kahuhia Girls' High School
Kenya Certificate of Secondary Education

1986-1993: Gatumbi Primary School
Kenya Certificate of Primary Education

EMPLOYMENT HISTORY

2014 to Date: Kenyatta University
Responsibilities: Teaching & Research

2010-2014: Kenyatta University (Part time)
Responsibilities: Teaching and Research

2007-2008: Mt. Kenya University
Responsibilities: Teaching and Research

2005- 2006: Earthwatch Institute
Position: Researcher

2005: Hillcrest International School
Position: Chemistry Teacher

2002-2004: Imani School-Thika
Position: Biology & Chemistry Teacher

2002: Mang'u High School
Position: Biology & Chemistry Teacher

CONFERENCES

October 2019: **Oral presentation**
Kenyatta University Biennial Research & Innovation Conference
Using lignocellulolytic bacteria to bioconvert organic residue to bioorganic fertilizer for sustainable crop productivity.

August 2019: **Poster presentation**
Africa International Biotechnology and Biomedical Conference
Lignocellulolytic fungi for soil fertility.

November 2018: **Oral presentation**
University- Industry Conference
Use of microorganisms in removal of organic waste.

October 2018: **Oral and Poster presentation**
6th African RUFORUM International Biennial Conference
Bioconversion of rice straw for improved soil fertility and sustainable crop productivity in Mwea, Kenya.

August 2018: **Poster presentation**
Africa International Biotechnology and Biomedical Conference.
Using microorganisms for improved soil fertility and increased crop productivity.

RESEARCH

2014-2017 Use of microorganisms for improved soil fertility

2007

Bacteriological quality of water

PUBLICATIONS

Karanja, A., Njeru, E. M. and Maingi, J., Assessment of physicochemical changes during composting rice straw with chicken and donkey manure. *International Journal of Recycling of Organic Waste in Agriculture*. **2019**, pp 1–8. <https://doi.org/10.1007/s40093-019-0270-x>

Karanja, A., Maingi, J. and Njeru, E. M. Evaluation of maturity levels and heavy metal content in composts made from rice straw. **2019**, *Advances in Agricultural Science*.

Karanja, A., Kotut, K. and Gitonga, N. Assessment of Physico-chemical Properties of Kasarani Section of River Thome, Nairobi. *Journal of Geography, Environment and Earth Science International*, 3(4), **2015**, pp 1-5; Article no.JGEESI.20051 ISSN: 2454-7352

Supervision of Postgraduate Students (Ongoing)

1. Peter K. Mwendwa I56/27547/2018- Isolation and characterization of bioactive compounds and enzymes of antimicrobial endophytes in *Aloe vera* and *Azadirachta indica*.
2. Wangechi Monicah Njoki I56/CE/26160/2014- In vitro antibacterial activity of selected honey samples on *Yersinia enterocolitica* obtained from raw pork in Nyeri County.
3. Obuya Seth (B/Ed Sc.) I56/CE/34121/2016- Biodegradation of polythene and reusable carrier bags in waste landfills of Nairobi and Kisumu Counties, Kenya.

AWARDS

2019

Innovation Award

Kenya National Innovation Agency

Affiliation to Professional Bodies

Member, American Society of Microbiology

Member, Kenya Society of Microbiology

Community Service and Other Appointments

- Member, Regional Center of Expertise Greater Nairobi.
- Professional Mentor, Chandaria Innovation Incubation Industry linkages, 2019 to Date.
- Member, Biochemistry, Microbiology & Biotechnology Department, Ethics Committee, 2019 to Date.
- Member, Biochemistry, Microbiology & Biotechnology Department, Post-Graduate Board, 2019 to Date.

- Member, Microbiology Departmental Anti-corruption Committee, 2014- 2018.

Professional Peer review in journals

- Journal of Clinical and Experimental Investigations.
- Chemical Science International Journal,