

Dr. Jane Njuguna (PhD)



TOPIC

**PATHOLOGICAL BASIS FOR SPECIES SITE MATCHING:
The Case for indigenous tree species in restoration and commercial forestry in Kenya**

3rd Institutional Colloquium

VENUE: Auditorium, KEFRI Headquarters Muguga

DATE: 9th June 2022

TIME: 10:00am

VIRTUAL: <https://kefri-org.zoom.us/meeting/register/tZUvdO-tqjoiGtL2mdGE7VtftcrOv0vq0PJo>

Bio:

Dr. Jane Njuguna holds a BSc in Botany and Zoology (Honours) from the University of Nairobi, MSc in Forest Science from the University of Melbourne and a Doctor of Philosophy in Forest Pathology and Mycology from Swedish University of Agricultural Sciences. She is currently the Senior Deputy Director – Research and Development, Kenya Forestry Research Institute since September 2017. She served as acting Chief Executive Officer /Director – KEFRI between March 5th 2018 and March 31st 2019. Previously, she served as a Deputy Director, Forest Productivity and Tree Improvement from February 2014, Deputy Regional Director for Central Highlands Eco-region Research Programme and Head of Pathology where she guided research and scientists in career advancement and rebranding of Muguga Regional Research Centre (MRRC) to Central Highland Eco-regional Research Programme (CHERP). She was also an Assistant Coordinator and Database Manager for the International Forestry Resources and Institutions (IFRI) Research Programme - Kenya Chapter.

Dr. Jane Njuguna is a founding member of the African Women in Biosciences Forum, a full member of Forestry Society of Kenya, a member of the African Mycological Society, Member of the Kenya Women in Agriculture and Environment, and a member of the American association of Colleges and Universities. She has over 34 years' experience in forestry research and management specializing in; Forest Pathology, Forest Health, Forest Biotechnology and Forest Conservation.

Testimonials:

Dr. Jane Njuguna has authored numerous journal articles in refereed journals and book chapters, Technical Notes, Protocols, Technical Guidelines and Policy Briefs

She has sourced and attracted funding for several KEFRI projects including:

- 2016: International Linkage Project Grant from the Swedish Research Council;
- 2013: National Council of Science and Technology Grant to Women Scientists 2011-2012, to implement a research project entitled: “*Establishment of on Farm Nurseries of Tissue Culture Bananas and Multipurpose Trees for Sustainable Food Security and Wealth Creation in Siaya County*”;
- 2012: International Centre for Forest Research (CIFOR) - Rockefeller project: Adaptation of people to climate change in East Africa (ADaPT EA): Ecosystem services, risk reduction and human well-being in East Africa. Collaborative Project between KEFRI-Makerere University and CIFOR ;
- 2011-2013: Forest landscape, institute, and development in East Africa funded by the Volkswagen Foundation and supported one PhD Student from Kenya;
- 1997-2007: The International Forestry Resources and Institutions Research Project (19972007) to study institutional arrangements and forest governance in East Africa.

Dr. Jane Njuguna is currently undertaking the following research:

- Development Forestry Technologies
- Upgrading of Seed Processing Units
- Construction of Green Houses
- Solar Heat Drying Facility for Tree Seeds from UK Innovation Funding Service;
- Second restoration of John Michuki Memorial Park;
- Commercial Forestry Research with Gatsby Africa and;
- ICRAF-KEFRI GHU PROJECT. A collaborative tree Germplasm research project between KEFRI and ICRAF.

She has mentored and supervised three PhD and five masters' students, fifteen interns and numerous students on attachment in Forest Health.

She has led the development of the following innovations:

- KEFRIApp, an innovative mobile application to track progress of 10% Tree Cover in the country;
- Aerial Seeding to Restore Maasai Mau Forest and;
- Decision Support System in Forest and Environmental Health on tree pest and diseases.

Contacts:

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