


## Profile

### Dr Jelly Senyagwa Chang'a

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Dr Jelly Senyagwa Chang'a is a veterinarian graduated from Sokoine University of Agriculture, Morogoro, Tanzania. She possesses a PhD in Veterinary Science and Medicine from Norwegian School of Veterinary Medicine, Norway. She is current a Director of Research and Technology Development at Tanzania Veterinary Laboratory Agency. Dr Chang'a has long experience in animal disease research and diagnostic assays (molecular & immunological) & bioinformatics. She has been involved in a number of projects particularly on surveillance and diagnosis of transboundary animal diseases include African swine fever, Peste des Petits Ruminants, Lumpy Skin Diseases, Porcine respiratory diseases, Rift valley fever, Cryptosporidiosis and others. Currently, she is leading Tanzania team on project entitled Promoting Sustainable and Climate Change Adaptive Cattle Production in Tanzania by Strengthening Livestock Health through vaccine development and awareness creation. She is also leading a project on Capacity development towards standard small ruminants' diseases diagnosis in Tanzania.

Dr. Chang'a has also been involved in various studies aimed at improving livestock health in Tanzania. For instance, she co-authored a longitudinal observational study on calf health and growth in smallholder dairy farms in Mvomero and Njombe districts. The study monitored the clinical health and growth of 156 calves from 121 smallholder farms over one year, aiming to understand the factors affecting calf growth and health in these regions.

Dr. Chang'a is among the 2014 fellow and alumna for African women in agriculture research and development (AWARD). She is an advocate for encouraging more women to pursue careers in science and technology. She believes in the transformative power of research and its capacity to develop innovations that can drive agricultural development in Africa. Since her bachelor degree graduation in 2001, she has been attended several national and international conferences and symposium where she has presented more than 20 papers orally and inform of posters. To date, Dr. Chang'a has published 19 papers in peer reviewed journals. (Citations-168; h-index-8, i10-index-5 based on Google Scholar statistics as at 7<sup>th</sup> May, 2025). [https://scholar.google.com/citations?view\\_op=list\\_works&hl=en&hl=en&user=3gMrtsCAAJ](https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=3gMrtsCAAJ). She is a member of different professional associations and communities within and outside Tanzania.