

DEPARTMENT OF BIOLOGICAL AND BIOMEDICAL SCIENCES



Name of Faculty/Staff: Dr. Alexander M. Mbeke

Designation/Rank: Lecturer, Biological and Biomedical Sciences

Laikipia University: School of Science and Applied Technology

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Educational Background:

PhD (Public Health), Maseno University, Kenya (2018)

Masters of Science (Environmental Health), Moi University, Kenya (2011)

Certificate in Environmental Impact, Moi University, Country (2009)

Bachelors of Science (Microbiology), Moi University, Kenya (2008)

Diploma & Higher Diploma (Medical Laboratory) Mombasa Polytechnic, Country (2001)

Brief Auto-biography of the Faculty/Staff

Dr Alexander M. Mbeke is a microbiologist with a PhD in Public health and is a lead expert in environmental impact assessment. He lectures, writes on medical /environmental microbiology and mentors students in Public health, medical laboratory and Biomedical fields.

Selected Publications

1. Phycoremediation efficacy of *Gleocapsa gelatinosa* on coffee tea and sugar effluents from Nandi, Bungoma and Kakamega counties; Kenya Mbeke A.M; Sang D; Onyango R; International Journal of life sciences; CRDEEP Journal 2016
2. Phycoremediation efficacy of *Synechocystis salina* on coffee tea and sugar effluents from Nandi, Bungoma and Kakamega counties; Kenya Mbeke A.M; Sang D; Onyango R; International Journal of innovative research and advanced studies vol 3 issue 12 November 2016
3. Prevalence of Brucellosis as a zoonotic disease a case study of Eldoret Municipality; Kenya

Mbeke A.M; International Journal of innovative research and advanced studies vol 3 issue 8 July 2016

4. Effects of Nitrogen application on snap beans production in Koibatek district Kenya: A.M.Mbeke, S .C Kirui, -N.C Kibet, A. Welinga, S.K.Musyoki, C.M. Nguta; International journal of Development and Sustainability, VOL 3 NO.5 (2014)
5. Screening of microbiological well water quality using Microbiotest assay in Eldoret Municipality; Kenya Mbeke A, Odipo O, Raburu P, Ngure V, Mausi.G –Laikipia university Journal of science vol 1; 2013
6. Bio assessment of well water quality in Eldoret Municipality;-Kenya. Mbeke A, Odipo O., and Raburu P. Eldoret polytechnic Journal of developmental studies; vol 1; 2010
7. Spartial distribution of *Bulinus* species and *Lymnae* snails in Matungulu river along Ndunduni Market, Machakos county, Kenya. African peer reviewed journals
8. Introgression of tolerance to aluminium toxicity from Brazilian maize into Kenyan maize Germplasm. Tanui M., Gudu S., Were B., Ligeyo D., Matonyei T., Misire C. and Mbeke A. journal for Developmental studies 2nd edition
9. Potential impacts of Mumias sugar factory effluents on the physio-chemical quality of the River Nzoia waters Welinga A., Simiyu G., Odipo O., Ngure V. and Mbeke A. journal for Developmental studies 1st edition

Research Interest: Phycoremediation studies of industrial and agricultural effluents