


# Alupe University Staff Profile

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<p><b>1. Name:</b></p>	<p><b>Mwongula W. Albert</b>          Microbiologist – Biological Sciences          Chair of Department and Lecturer          Department of Biological and Agricultural Sciences (BAS) in School of Science, Technology and Engineering (SSTE)</p>
<p><b>2. Passport photo:</b></p>	
<p><b>4. Biography:</b></p>	<p>Currently works at Alupe University, School of Science, Technology and Engineering, Department of Biological and Agricultural Sciences.</p> <p>Mwongula is an MSc Holder in Microbiology from Moi University. Currently pursuing his Doctorate in Microbiology at Masinde Muliro University of Science and Technology.</p> <p>He is the Chair of Biological and Agricultural Sciences Department as well as a lecturer of courses in Biological Sciences. He serves a member to Conflict and Resolution Committee in the University. He is a reviewer with Journal of Vector Borne Diseases.</p> <p>Mwongula is a member of American Society of Microbiology (ASM) with Global Outreach Contributing membership (Member ID: 200104704).</p> <p>Lastly, he is working out through the department and school on the possibility of establishing a Memorandum of Understanding (MOU) between Alupe University and Universidad Autónoma de Chile.</p>
<p><b>5. Academic Qualifications:</b></p>	<p>Doctor of Philosophy in Microbiology, Masinde Muliro University of Science and Technology (MMUST) – <b>On going</b>  <b>Project Title:</b> “Unraveling Microbial Diversity and Adaptive Genomic Signatures in Relation to Geochemical Profiles of Kenya and Chile’s Geothermal Environments”</p>

	<p>Masters of Science (Microbiology), Moi University – <b>Completed in December, 2012.</b></p> <p><b>Project Title:</b> “Seroprevalence of Chikungunya infection in pyretic children seeking treatment in Alupe District Hospital, Busia County Kenya.”</p> <p>Bachelor of Science in Microbiology, Moi University – December, 2008.</p> <p>Kenya Certificate of Secondary Education, November/December 2002, Musingu High School.</p> <p>Kenya Certificate of Primary Education, 1998, Mumias Central Primary School.</p>
<p><b>6. Research Interests:</b></p>	<p><b>Research interests are:</b> Molecular epidemiology, Virology, Bacteriology, Parasitic and Infectious Diseases and General Microbiology.</p> <p><b><u>RESEARCH PROJECT:</u></b> Unraveling Microbial Diversity and Adaptive Genomic Signatures in Relation to Geochemical Profiles of Kenya and Chile’s Geothermal Environments - supported by ANID, Chile Fondecyt Regular under grant number 1231917.</p>
<p><b>7. Publications:</b></p>	<p><b><u>Books</u></b></p> <p>Okoth, K. P., <b>Mwongula, A. W.</b>, and Wabwile, F. W. (2012). Seroprevalence of Chikungunya infection in pyretic children - A phenomenon in Alupe. Lambert Academic Publishing. <b>ISBN: 978-3659210709.</b></p> <p><b>Mwongula, A. W.</b>, Okoth, K. P. and Wekesa, G. W. (2013). Prevalence of Human Sleeping Sickness in Western Kenya – A case study of Busia County. Lambert Academic Publishing. <b>ISBN: 978-3-8473-2265-8.</b></p> <p><b><u>Referred Journals</u></b></p> <p>Ngugi M. N.; Ogaro G. N.; Odhiambo R. A.; <b>Mwongula A. W.</b>; Ongang’a P. O.; Makadia B. (2025). An Investigation of the Level of Awareness and Mitigation of Climate Change among Junior School Learners in Busia County, Kenya: A Call for Sensitizing Future Generations. <i>African Journal of Climate Change and Resource Sustainability</i>, 4(1). Available at: <a href="http://dx.doi.org/10.37284/2790-9638">http://dx.doi.org/10.37284/2790-9638</a></p>

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Ongang'a P. O.; Omoga C. O.; Mwongula W. A. (2025). Drought Impact on Livestock Production and Mitigation Measures by Smallholder Dairy Farmers in Teso South Sub-County, Kenya. *World Journal of Agricultural Science and Technology*, 3(1) – 12-23.

Available at: <https://doi.org/10.11648/j.wjast.20250301.12>

**Mwongula, A. W.**, Siamba, D. N., Mwamburi, L. A., & Mailu, M. (2023). Concurrent Infections Among Pyretic Children Seeking Treatment at Alupe Sub County Hospital, Busia County, Kenya. *European Journal of Applied Sciences*, 11(5), 38–45.

Available at : <https://doi.org/10.14738/aivp.115.15370>

Makila, J., Nyukuri, R. W., **Mwongula A. W.**, Wanjala, Bagine, R. K., (2018). Proximate composition of *Pseudocanthotermes grandiceps* (Isoptera: Termitidea) in Western Kenya: comparison with Nile Perch fish and red meat. *International Journal of Interdisciplinary Research and Innovations*. ISSN 2348-1226 (online) Vol. 6, Issue 2, pp: (102-106), Month: April - June 2018.

Available at: [www.researchpublish.com](http://www.researchpublish.com)

Makila, J., Nyukuri, R. W., **Mwongula A. W.**, (2018). Integrated bean aphid management (*Homoptera: Aphididae*) on bean crop (*Phaseoli vulgaris*) in Western Kenya. *International Journal of Thesis Projects and Dissertations (IJTPD)* Vol. 6, Issue 2, pp: (8-29), Month: April - June 2018.

Available at: [www.researchpublish.com](http://www.researchpublish.com)

**Mwongula, A.W.**, Mwamburi, L. A., Mwau, M., Siamba D. N., and Wanyama F. W., (2016). Concurrent Infections of Chikungunya Virus with Malaria and Typhoid in Children. American Society for Microbiology Microbe Conference June 16- 20, 2016, Boston, USA.

Wanyama, F. W., **Mwongula, A. W.**, and Oyoo-Okoth, E., (2014).

	<p>Predisposing factors contributing to the prevalence of Intestinal Parasitic Infections (IPI) among the HIV/AIDS patients in Bungoma County, Kenya. International Journal of Science and Research. <b>ISSN: 2319-7064.</b></p> <p>Onduso, C. O., Okoth, P. K., Onyango, D. M., Sifuna, A., Wakaanya, A. O., <b>Mwongula, A. W.</b>, and Maina, J. (2013). Molecular clustering of microbial flora and bacterial degradation of textile dyes by isolates from contaminated soils. Elixir International Journal. <b>ISSN: 2229-712x.</b></p> <p><b>Mwongula, A. W.</b>, Mwamburi, L. A., Matilu, M., Siamba, D. N., and Wanyama, F. W. (2013). Seroprevalence of Chikungunya infection in pyretic children seeking treatment in Alupe District Hospital, Busia County Kenya. International Journal of Current Microbiology and Applied Sciences. <b>ISSN: 2319-7706.</b></p>
<p><b>8. Classes you teach:</b></p>	<p>BSc. in Microbiology and BedSci (Biology) Courses</p>
<p><b>9. Other relevant links:</b></p>	<p><b><u>Google Scholar:</u></b>  <a href="https://scholar.google.com/citations?user=JegOxNgAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=JegOxNgAAAAJ&amp;hl=en</a></p> <p><b><u>Orchid:</u></b>  <a href="https://orcid.org/my-orcid?orcid=0009-0008-6030-7713">https://orcid.org/my-orcid?orcid=0009-0008-6030-7713</a></p>
<p><b>10. Official Contact Details:</b></p>	<p><b>Email:</b> <a href="mailto:amwongula@au.ac.ke">amwongula@au.ac.ke</a> or <a href="mailto:mwart.mic@gmail.com">mwart.mic@gmail.com</a></p> <p><b>Cellphone:</b> 0724 722889</p>