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| <p>I am an academician and research leader with a PhD in Microbial Genomics and 15+ years of experience across academia, research, and higher-education leadership. I currently serve as Director of Research and Center of Excellence and Associate Professor at Adama Science and Technology University, Ethiopia.</p> <p>My work sits at the intersection of microbial genomics, antimicrobial resistance (AMR), and AI-enabled drug discovery. I lead and mentor teams working on the genomics of drug-resistant pathogens (including TB and other high-priority bacteria), investigate antimicrobial compounds from microbes under stress, and apply computational and experimental approaches to accelerate antimicrobial drug discovery.</p> <p><b>Core expertise</b></p> <ul style="list-style-type: none"> <li>☞ Genomics of drug-resistant pathogens (TB and other bacterial infections)</li> <li>☞ Mechanisms of antimicrobial resistance and stewardship</li> <li>☞ Drug discovery research on microbes in stress environments</li> <li>☞ Infectious disease research and translational microbiology</li> <li>☞ Research methodology, grant writing, and capacity building in universities and public health institutes</li> </ul> <p>I have successfully secured and managed competitive research grants, published extensively in peer-reviewed journals, and contributed to advancing understanding of AMR mechanisms in TB and other bacterial pathogens. Beyond my own research, I invest heavily in training: I design and deliver workshops and courses on research methods, grant writing, scientific writing, and digital</p> |                                                                                                                                                                                       |

health tools for academics, clinicians, and public-health professionals across Ethiopian universities and institutes.

**Awards & fellowships**

- ☞ Global Visiting Fellow, Seoul National University, Republic of Korea
- ☞ Hong Kong Government Fellowship, Hong Kong
- ☞ Postgraduate Diploma Scholarship in Vaccinology, Institute Pasteur, Paris, France

I welcome collaborations on AMR genomics, drug discovery, digital health, and industry-driven solutions for infectious diseases—particularly across Africa and global South contexts. My portfolio, including selected publications and projects, is available via my ORCID:

<https://orcid.org/0000-0001-8379-4245>

Researcher | Educator | Innovator | Trainer | Mentor