

Takele Zike Geneti, MSc

Agronomist | Crop Scientist | Associate Researcher

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Professional Summary

Takele Zike Geneti is a seasoned Ethiopian agronomist specializing in crop physiology, seed systems, and nutrient management in rainfed and irrigated systems. With over a decade of experience in agricultural research and development, his work bridges hands-on experimentation, geospatial diagnostics, and participatory approaches for sustainable farming. He is currently pursuing a PhD in Crop Science in China and is recognized as both a peer reviewer and published author in reputable international journals.

Education

- **PhD Fellow in Crop Science**

Hunan Agricultural University, Changsha, China (2024–2028)

- **MSc in Agronomy**

Ambo University, Oromia, Ethiopia (2015–2017)

- **BSc in Plant Science**

Ambo University, Oromia, Ethiopia (2010–2014)

Professional Experience

- **Associate Researcher**

Wolkite Agricultural Research Center, EIAR, Ethiopia (2020–Present)

Program: Crop Seed Technology Multiplication and Agronomy

- **Assistant Researcher II – Agronomy & Crop Physiology**

Werer Agricultural Research Center, EIAR (2019–2020)

- **Team Leader – Lowland Oil Crop Breeding Division**

Werer Agricultural Research Center, EIAR (2018–2019)

Research Interests

- Seed rate optimization and nutrient interaction in cereals and legumes
- Integrated weed management in wheat-based systems
- Crop simulation modeling (DSSAT)

- Phosphorus and micronutrient efficiency on Vertisols
 - Participatory variety selection in maize and chickpea
 - Data-driven agronomic decision-making using R and Excel
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Selected Publications

- *Agronomic Evaluation of Chickpea Varieties and Seeding Rates on Vertisols*
American Journal of Plant Biology, 2024
 - *Effect of Nitrogen Fertilizer and Seed Rates on Bread Wheat Yield*
Journal of Plant Sciences, 2024
 - *Participatory Variety Selection of Mid-land Maize Hybrids in Gurage Zone*
2024
 - *Response of Improved Lentil Varieties to Phosphorus Nutrition*
Advances in Crop Science and Technology, 2017
 - *Productivity and Weed Control in Wheat as Influenced by IWM*
Advances in Crop Science and Technology, 2015
 - *Review on the Effect of Moisture/Rainfall on Crop Production*
Book Review, 2019
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Peer Review Activity

Takele actively supports the scientific community through thoughtful and timely manuscript reviews:

Journal Peer Reviews:

1. *Spatial Distribution and Mapping of Multi-nutrient Deficiencies in Paddy Fields*
International Journal of Plant & Soil Science — May 8, 2025
2. *Intercropping – An Approach Towards Sustainability in Agriculture*
Journal of Advances in Biology & Biotechnology — April 19, 2025
3. *Forests Support Global Crop Supply Through Atmospheric Moisture Transport*
Nature Water — April 14, 2025
4. *Response of Phosphorus and Potash on Growth of Field Pea*
International Journal of Plant & Soil Science — April 8, 2025
5. *Response of Tef Yield to Nutrient Omission Under Irrigation*
Advances in Agriculture — February 17, 2025

6. *Heliyon* — 1 Review

7. *Nature Water* — 1 Review (additional to above)

Certifications & Training Highlights

- **Data Visualization in Excel** – UniAthena Global Education, USA (2024)
 - **Data Analysis** – UAE University, Al Ain (2024)
 - **Agricultural Nanotechnology for Food Security** – AARDO, India (2024)
 - **DSSAT Crop Modeling** – EIAR, Ethiopia (2019)
 - **Green Yield Technologies in Grain and Oil Crops** – China MoC (2021)
 - **Certificate in Creative Agricultural Economy** – TICA, Thailand (2024)
 - **Design Thinking for Sustainable Agriculture** – IIT Kanpur/AARDO (2024)
 - **Basic Computer Training** – Ambo University (2024)
 - **Advanced Certificate in Management** – (Institution not specified)
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Institutional Affiliations

- **Ethiopian Institute of Agricultural Research (EIAR)**
[Wikidata](#) | [Wikipedia](#)
 - **Ambo University**
[Wikidata](#) | [Wikipedia](#)
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