

PERSONAL INFORMATION

Full Name: **Teshome Betru Tadesse**

◆ Werabe University, Werabe, Central Ethiopia Regional State, Ethiopia

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RESEARCH INTEREST

Climate Extremes, Surface Water Hydrology, Soil Erosion Modelling, Remote Sensing and Geospatial Analysis

WORK & EDUCATION

- 01 March 2023 – present ↔ **Assistant Professor** (MSc) of Watershed Management at Werabe University (WRU), Ethiopia
- Nov. 2024 - July 2025 ↔ **Researcher** at Central Ethiopia Region Policy Studies and Research Institute, Hossana, Ethiopia.
- 06 July 2014 – 28 Feb 2023 ↔ **Lecturer & Assit. Prof.** of Watershed Management at Samara University (SU), Ethiopia
- Aug 2023 – present ↔ **Editor-In-Chief** of Werabe Journal of Science and Technology (<https://www.journal.wru.edu.et/>)
- May 2022 - Feb 2023 ↔ **Associate Editor** of DIJBAR Journal (<https://dagujournal.org>)
- Sept. 2015 – Jun. 29, 2017 ↔ **MSc degree** in Watershed Management at [Hawassa University](#), Ethiopia. CGPA 3.70/4.00
- Sept. 2012 – June 29, 2014 ↔ **BSc degree** in Natural Resources Management at [Samara University](#), Ethiopia. CGPA: 4.00/4.00
- Sept 2017- July 2018 ↔ Higher Diploma License in Teaching by Samara University, Ethiopia.

TRAINING (short)

- January 27-29, 2025 ↔ “Boosting African Journals Visibility”, African Population & Health Research Center, AA. Ethiopia
- January 16-17, 2025 ↔ “Thematic Research: Concepts and Applications” by WRU, Ethiopia
- May 9-June 20/2023 ↔ “Classroom English for University Instructors” by WRU, Ethiopia
- May 08-10/2023 ↔ “Practical Grant Writing and Hunting” by WRU, Ethiopia
- 27 Jun – 01 July 2022 ↔ “Installation of equipment & workspace safety” at APARI soil Laboratory. GIZ & APARI
- 26 January 2022 ↔ “How to Get Published in an Academic Journal” Organizer: Wiley Team
- June 01-05/2021 ↔ “Grant Proposal Writing, Scholarly Publications & Collaboration” SU, Ethiopia.
- July 18-26/2019 ↔ “Hydrometeorology” by Mekelle University, Ethiopia.
- March 19 - 21/2019 ↔ “TOT on “Personal Development” by SU, Ethiopia.
- April 25 - 29/2018 ↔ “Applied Research Methods and Data Analysis Using Stata Software” by SU, Ethiopia.
- July 19 - 22/2016 ↔ “Participatory Research, Planning and Validation” by CIFOR & IUFRO. Addis Ababa, Ethiopia.
- Oct 25 - 28/2016 ↔ “Electronic Library Resources” by DAAD and ITOCA. Addis Ababa, Ethiopia

PUBLICATIONS

- Tshayu, M.A., **Tadesse, T.B.**, Meshesha, K.S., Afkea, M.H. and Assen, M.M., 2025. Examining human activities in response to land surface temperature in Sekota watershed, northern Ethiopia. *The Egyptian Journal of Remote Sensing and Space Sciences*, 28(2), pp.261-271. <https://doi.org/10.1016/j.ejrs.2025.05.004>
- Tebekew, F. A., **Tadesse, T. B.**, Alemu, D. A., & Ayalew, A. A., 2024. Soil Physicochemical Properties Variation under Annual Crop and Coffee Landuse in the Chentale Watershed, Upper Blue Nile Basin, Ethiopia. *Applied and Environmental Soil Science*. <https://doi.org/10.1155/2024/2921614>
- Teshome Betru Tadesse**, Setiye Abebaw Tefera, and Biruk Tagesse Lambe, 2022. Soil erosion assessment in Ethiopia: a synthesis of modeling and plot measurement studies. *Arabian Journal of Geosciences*, 15:1504 <https://doi.org/10.1007/s12517-022-10805-z>
- Setiye Abebaw Tefera, **Teshome Betru Tadesse**, Getachew Wollie Asmare, 2022. Prevalence of Household Food Insecurity in Ethiopia during the COVID-19 pandemic: Evidence from panel data. *Scientific African*. *Scientific African* (16) e01141 <https://doi.org/10.1016/j.sciaf.2022.e01141>
- Teshome Betru Tadesse**, Setiye Abebaw Tefera, and Mengist Tesfaye Kidane, 2022. Comprehensive Solid Waste Dumpsite Selection in Arid Cities of Northeastern Ethiopia: A Spatial-MCDA Approach. *Journal of the air and waste management association*, 72 (1): 48-60. <https://doi.org/10.1080/10962247.2021.1880496>

Teshome Betru Tadesse & Setiye Abebaw Tefera, 2021. Comparing potential risk of soil erosion using RUSLE & MCDA techniques in Central Ethiopia. *Modeling Earth Systems and Environment*, 7(3): 1713-1725.
<https://doi.org/10.1007/s40808-020-00881-z>

Teshome Betru, Motuma Tolera, Kefyalew Sahle, & Habtemariam Kassa, 2019. Trends and drivers of land use/land cover change in Western Ethiopia. *Applied Geography*, 104: 83-93. DOI: <https://doi.org/10.1016/j.apgeog.2019.02.007>

Teshome Betru, 2019. Progress, challenges, and implications of land use/land cover detection methods in Ethiopia: A Review. *Journal of Agriculture & Environmental Sciences*, 4(2): 1-29.
<https://journals.bdu.edu.et/index.php/jaes/article/view/290>

Setiye Abebaw & **Teshome Betru**, 2019. Status and trends of eucalyptus tree expansion and its environmental implication in Meket District, North Wello Zone, Ethiopia. *Ethiopian Journal of Environmental Studies & Management*. 12(2): 181-193. <https://ejesm.org/wp-content/uploads/2019/05/ejesm.v12i2.6.pdf>

Setiye Abebaw & **Teshome Betru**, 2019. A Review on Status and Determinants of Household Food Security in Ethiopia. *Ethiopian Journal of Environmental Studies & Management*. 12(5): 497-508. <https://ejesm.org/wp-content/uploads/2019/11/ejesm.12i5.2.pdf>

UNDER REVIEW

Setiye Abebaw Tefera; Vijaya Lakshmi Thatiparthi; **Teshome Betru Tadesse**; Getachew Wollie Asmare. Flood hazard assessment and livelihoods vulnerability of agro-/pastoral households in Lower Awash River Basin, Ethiopia. *Discover Sustainability*

Jemal Bireda Kedir, **Teshome Betru Tadesse**, Solomon Umer, Alamudin Kufa. Beyond implementation: assessing sustainability of soil and water conservation measures in central Ethiopia. *Discover Sustainability*

COMMUNITY ENGAGEMENT

Jan. – Aug. 2021	↔	Introducing Groasis Waterboxx technology for the production of selected fruits in Afar region, Ethiopia
12 Oct 2019 – 07 Jul 2020	↔	Promotion and capacity building on organic tropical fruits, vegetables, and forage crop production technology with participation of pastoral and agro-pastoral community, Afar region, Ethiopia
28 May – 03 Jun 2019	↔	Provide training on Irrigation water management for Youths in Afar region, Ethiopia
11 Oct 2018-07 Jul 2019	↔	An integrated crop, livestock and NRM in Megale district, Afar region, Ethiopia

AWARDS

June 29, 2014	↔	First Class Graduate's Gold Medal Award, Samara University, Ethiopia
2015-17	↔	DAAD In-Country/In-Region Scholarship winner for Graduate study

VERIFIED PEER-REVIEW ROLES

Discrete Dynamics in Nature and Society | *Frontiers in Environmental Science* | *Discover Applied Sciences* | *Discover Sustainability* | *African Geographical Review* | *PLOS ONE* | *Landscape Online* | *South African Geographical Journal* | *Geology, Ecology, and Landscapes* | *East African Agricultural and Forestry Journal*

TAUGHT COURSES

Hydrology (3 batch) | Remote Sensing & GIS (3) | Soil & Water Conservation (4) | Research Methods & Paper Writing (2) | Principles of Soil Erosion & Modelling (2) | Land Use Planning (1) | Ecotourism Principles & Approach (1) | Watershed Management (3) | Limnology & Wetland Management (1)

SKILLS

Hard Skills	Spatial & Statistical Analysis & Visualization using QGIS, Python, GEE, MS Office products
Soft skills	Diligence, Counselling, Punctual, Teamwork, Flexible, Learning, Diversity, and Accountable

REFERENCE

- Biruk Tagesse Lambe** (PhD): Wachemo University, Ethiopia
 ☒ 667, Hossana, Ethiopia | ☎ +251913088244 | email: biruktagesse@gmail.com / biruktagesse@wcu.edu.et
- Setiye Abebaw Tefera** (PhD): Samara University, Ethiopia
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- Ewnetu Tazebew Gonete (PhD): Injibara University, Ethiopia**
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- Kedir Ebrahim (PhD): Werabe University, Ethiopia**
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Signature	Teshome Betru Tadesse	Date	1 August 2025
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