CONTACT

Tadele Melese

📍 Homeland: Bahir Dar, Ethiopia
   Currently: Tokyo, Japan
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PERSONAL DETAILS

- Date of Birth   : 29/01/1989
- Marital Status : Married
- Nationality   : Ethiopian
- ORCID   : https://orcid.org/0000-0002-4627-8193
- Age   : 35

OBJECTIVE

To enhance my professional skills, capabilities and knowledge in an organization which recognizes the value of hard work and trusts me with responsibilities and challenges.

EDUCATION

2024
- **Soka University , Japan**
  MSc. In Information System Sciences
  3.8

July, 2018
- **Mekelle University, Mekelle, Ethiopia. Website- www.mu.edu.et**
  MSc in GIS and Remote sensing
  3.9/4

July 2010
- **Wolaita Sodo University, Wolaita Sodo, Ethiopia. Website- www.wsu.edu.et**
  BED in Geography and Environmental studies
  3.84/4

EXPERIENCE

April 07 2023 - February 2025
- **MSc Student in Information System Science**
  Soka University , Tokyo, Japan
  - Working in STRIPS EARTH Project
  - Machine Learning
  - Deep Learning
  - Web development
  - Geo spatial data analysis

November 2019 - Present
- **Lecturer**
  Bahir Dar University, Bahir Dar, Ethiopia
  - Teaching GIS and remote sensing course
  - Five first author peer-reviewed and 3 co-author publications
  - Land use land cover change preparation for project
  - Conference and symposium participation
  - Giving GIS and RS trainings as a community service and conducting research
  - Successfully completed the Higher Diploma Program (HDP)

March, 2018 - October, 2019
- **Lecturer**
  Dilla University, Dilla, Ethiopia. Website- www.du.edu.et
  - Teaching GIS and Remote sensing courses,

	○ Conducting research,
	○ Participation in conferences and attending software trainings like R
August , 2010 - January, 2018	• **Teacher for secondary and preparatory school students**
	Yeduha General Secondary and preparatory school , Debre Markos, Ethiopia.
	○ Teaching geography,
	○ Participating in different co- curricular activites,
	○ Conducting action researchs

SKILLS

- Cloud compiting such as GGE (Google Earth Engine) platform
- GIS
- Remote sensing and satellite image processing and analysis
- Programming skills (Python, R, Javascript, CSS, HTML)
- Web mapping
- Excellent troubleshooting of computer systems
- Basic skill of computer vision
- Command line interface
- Skill in statistical softwares like SPSS
- English language skill
- Amharic language skill
- Geez language skill

PROJECTS

- **SATRIPS EARTH Project**
  Researcher at SATRIPS Earth Poject

PUBLICATIONS

- Melese, T., Senamaw, A., Belay, T., & Bayable, G. (2021). The Spatiotemporal Dynamics of Land Use Land Cover Change, and Its Impact on Soil Erosion in Tagaw Watershed, Blue Nile Basin, Ethiopia. Global Challenges, 5(7), 2000109.

- Melese, T., & Belay, T. (2022). Groundwater potential zone mapping using analytical hierarchy process and GIS in Muga Watershed, Abay Basin, Ethiopia. Global Challenges, 6(1), 2100068.

- Melese, T., Belay, T., & Andemo, A. (2022). Application of analytical hierarchal process, frequency ratio, and Shannon entropy approaches for landslide susceptibility mapping using geospatial technology: The case of Dejen district, Ethiopia. Arabian Journal of Geosciences, 15(5), 424.

- Belay, T., Melese, T., & Senamaw, A. (2022). Impacts of land use and land cover change on ecosystem service values in the Afroalpine area of Guna Mountain, Northwest Ethiopia. Heliyon, 8(12), e12246.

- Wubaye, G. B., Gashaw, T., Worqlul, A. W., Dile, Y. T., Taye, M. T., Haileslassie, A., ... & Srinivasan, R. (2023). Trends in rainfall and temperature extremes in Ethiopia: station and agro-ecological zone levels of analysis. Atmosphere, 14(3), 483.

- Lebeza, T. M., Gashaw, T., Tefera, G. W., & Mohammed, J. A. (2023). Trend analysis of hydro-climate variables in the Jemma sub-basin of Upper Blue Nile (Abbay) Basin, Ethiopia. SN Applied Sciences, 5(5), 129.

- Berhanu, A. A., Ayele, Z. B., Dagnew, D. C., Melese, T., Fenta, A. B., & Kassie, K. E. (2024). Smallholder farmers' vulnerability to climate change and

variability: Evidence from three agroecologies in the Upper Blue Nile, Ethiopia. Heliyon, 10(7).

- Andemo, A., Getahun, K., Melese, A., & Melese, T. (2024). Application of geospatial technology for potential ecotourism site selection in Masha district, Southwest Ethiopia. International Journal of Environmental Science and Technology, 21(5), 5019-5034.

REFERENCE

- **Gashaw Temesgen (PhD.) - Bahir Dar University**
  Geospatial Data Analysit, Environmentalist, Climatologist
  gtemesgen114@gmail.com
  +251 94 607 8876

- **Dr. Yihun Dile (Ph.D.) - West Palm Beach, Florida, United States**
  Data science |Physical Science, Researcher,
  yihundile@gmail.com
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- **Dr. Dereje Tsegaye (Asso. Professor) - Bahir Dar University University, Bahir Dar , Ethiopia**
  Associate Professor in the Department of Natural Resources Management,
  deremesh@yahoo.com
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