



FEDESSA BENTI CHALCHISSA

RESEARCHER (II) & EXTENSION OFFICER

PROFILE

I need to work on research development-related fields such as: climate change impacts, natural resources, food security, and Environmental science, and community-based environmental and agricultural projects

CONTACT

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EDUCATION

2018-2023

JIMMA UNIVERSITY

- Doctor of Philosophy (Ph.D) in Climate Science
- GPA 3.71/4.0

2010-2011

AMBO UNIVERSITY

- Master of Environmental Science
- GPA: 3.47/4.0

2010-2011

AMBO UNIVERSITY

- Bachelor of Crop Science
- GPA: 3.07/4.0

SKILLS

Database system in:-

- Project Management
- Human Resource Management
- Membership management
- Finance Management

LANGUAGES

- English ★★★★★
- Afan Oromo ★★★★★
- Amharic ★★★★★

WORK EXPERIENCE

ORGANIZATION: WOLLEGA UNIVERSITY

Research a& Extension Officer

NOV-2023 - PRESENT

- Developing extension programs,
- Providing technical assistance,
- Collaborating with stakeholders
- Disseminating information
- Evaluating program effectiveness
- Teaching

Energy & Environmental Research Coordinator

July-2023 - Oct-2023

- Environmental monitoring
- Data collection and analysis
- Impact assessment
- Stakeholder engagement
- Interdisciplinary collaboration
- Teaching

Researcher (I) & Lecturer

Oct.2013 - Jun-2016

- Research
- Teaching
- Community service oversight

ORGANIZATION: OROMIA DEVELOPMENT ASSOCIATION (ODA)

Environment & Empowerment manager

Nov- 2012- Sept-2013

- Project management
- Environmental conservation
- Partnership development
- Capacity building
- Monitoring and Evaluation

Brach Manager

Jun-2001 - Oct-2012

- Leadership
- Financial Management
- Operational Oversight

SOCIAL COMPUTENCE

- Community-Based Organization (CBO) chairperson
- Research & community service Team member

PUBLICATIONS

1. Spatial distribution patterns and hotspots of extreme agro-climatic resources in the Horro Guduru Wollega Zone, Northwestern Ethiopia
DOI: [10.1007/s10661-024-13277-8](https://doi.org/10.1007/s10661-024-13277-8)
2. Modeling soil acidity (pH) dynamics under extreme agroclimatic conditions in Horro Guduru Wallaga Zone, northwestern Ethiopia
DOI: [10.1007/s10653-024-02259-x](https://doi.org/10.1007/s10653-024-02259-x)
3. Drought Characterization Using Multiple Indices over the Abbay Basin, Ethiopia
DOI: [10.3390/w16213143](https://doi.org/10.3390/w16213143)
4. Land Use and Land Cover Change and Its Impacts on the Ecosystem Services in Guder River Sub-Basin, Ethiopia
DOI: [10.20372/au.JSSD.12.2.2024.0514](https://doi.org/10.20372/au.JSSD.12.2.2024.0514)
5. Modeling the impacts of extreme climate scenarios on soil acidity (pH & exchangeable aluminum) AbbayRiver Basin, Ethiopia
DOI: [10.1016/j.heliyon.2024.e33448](https://doi.org/10.1016/j.heliyon.2024.e33448)
6. Modeling soil organic carbon dynamics under extreme climate and land use & land cover change Western Oromia Oromia Regional state, Ethiopia.
DOI: [10.1016/j.jenvman.2023.119598](https://doi.org/10.1016/j.jenvman.2023.119598)
7. Geospatial variabilities and trends in extreme agroclimatic indicators in the Jimma Zone, Ethiopia.
DOI: [10.1007/s00704-023-04630-x](https://doi.org/10.1007/s00704-023-04630-x)
8. Impacts of extreme agro-climatic indicators on the performance of coffee (Coffea arabica L.) Aboveground biomass in Jimma Zone
DOI: [10.1016/j.heliyon.2022.e10136](https://doi.org/10.1016/j.heliyon.2022.e10136)
- 9.. Modeling coffee (Coffea arabica L.) climate suitability under current and future scenarios in Jimma zone, Ethiopia
DOI: [10.1007/s10661-022-09895-9](https://doi.org/10.1007/s10661-022-09895-9)
11. Frequency & geospatial vulnerability indices of rainfall and temperature extremes in the Jimma Zone, Ethiopia
DOI: [10.1007/s10661-022-09775-2](https://doi.org/10.1007/s10661-022-09775-2)
12. Modeling the responses of Coffee (Coffea arabica L.) distribution to current & future Climate Change in Jimma Zone, Ethiopia
DOI: [10.20961/stjssa.v19i1.54885](https://doi.org/10.20961/stjssa.v19i1.54885)
- 13, Spatio-temporal Attribution and Trends of Climate Variables in the Iluababor Zone, Oromia National, Regional State, Ethiopia
DOI: [10.20372/au.jssd.7.2.2019.0137](https://doi.org/10.20372/au.jssd.7.2.2019.0137)
14. Climate Change-Induced Agricultural Drought over Moist-Cool and Moist-Warm Climatic Zones: A Case Study in Ale and Adami-Tulu Woredas, in Oromia National Regional State, Ethiopia
DOI: [10.20961/carakatani.v34i2.29344](https://doi.org/10.20961/carakatani.v34i2.29344)
15. The Impacts of Climate-Induced Agricultural Drought on Four Cereal Crops: A Case Study in Bako Tibe District, Oromia National Regional State, Ethiopia
DOI: [10.20961/carakatani.v34i2.29344](https://doi.org/10.20961/carakatani.v34i2.29344)

16. Trend Analyses of Temperature & Rainfall and Their Response to Global CO2 Emission in Masha, Southern Ethiopia
DOI: [10.20961/carakatani.v34i2.29344](https://doi.org/10.20961/carakatani.v34i2.29344)
17. Effect of land use types on soil quality & productivity in Mi'essa micro-watershed Ethiopia
DOI: [10.4314/star.v4i3.13](https://doi.org/10.4314/star.v4i3.13)

REFERENCE

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 Jimma University

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