

| | |
|---|--|
| <p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name and address of employer</p> <p>Type of business or sector</p> | <p>October 2004 – October 2007</p> <p>Instructor</p> <p>Teaching undergraduate students and assistant farm manager</p> <p>Agarfa agricultural technical, vocational education and training college, Bale-Robe, Ethiopia</p> <p>Public, academic higher institution</p> |
| <p>Education and training</p> <p>Dates</p> <p>Title of qualification awarded</p> <p>principal subjects covered</p> <p>Name and type of organization Providing education and training</p> <p>Level in national or international classification</p> <p>Dates</p> <p>Title of qualification awarded</p> <p>Principal subjects covered</p> <p>Name and type of organization providing education and training</p> <p>Level in national or international classification</p> <p>Dates</p> | <p><i>July 2012 – August 2024</i></p> <p>Doctor of Philosophy (PhD) in Water Resource Engineering</p> <p>Thesis Title: “Climate Change Impact Analysis on Upper Blue Nile Basin Hydro-Climatology, Crop Yield, Hydropower and Operation Policy of Reservoir System”</p> <p>Indian Institute of Technology Delhi, Department of Civil Engineering, Hauz-Khas, New Delhi, India – 110016. It is a Public academic higher institution. Funded by the Ethiopian Ministry of Science and Higher Education</p> <p>ISCED 8</p> <p><i>July 2007 – July 2010</i></p> <p>Master of Science (MSc.) Degree in Irrigation Engineering</p> <p>Thesis Title: “Intensity-Duration-Frequency (IDF) analysis of point rainfall for selected meteorological stations in Ilu-Aba-Bora Zone, Ethiopia”</p> <p><u>Courses</u></p> <p>Design of small dams and hydraulic structures; Canal and canal structures; Advanced irrigation engineering; Applied hydrology; Drainage engineering; GIS and Remote sensing; Natural resource economics; Experimental design and analysis; Soil reclamation and management etc.</p> <p>Haramaya University, Haramaya, Ethiopia; it is a Public academic higher institution. Funded by the Ethiopian Ministry of Agriculture and Rural Development/ATVET project</p> <p>ISCED 7</p> |

| | |
|--|---|
| Title of qualification awarded | <i>October 1999 – July 2004</i> |
| Principal subjects covered | Bachelor of Sciences (BSc.) Degree in Agricultural Engineering and Mechanization Thesis Title: “Developing Equation to relate Pan-evaporation and Potential evapotranspiration” <u>Courses</u> Irrigation and Drainage; Field Practice in Agricultural Engineering I and II; Farm Management; Farm Implement and Machinery I and II; Soil Physics and Mechanics; Engineering Materials; Farm Electrification; Soil and Water Conservation, Fluid Mechanics; Research Method in Agricultural Engineering |
| Name and type of organization providing education and training | Hawassa University (former name Debube University), Hawassa, Ethiopia It is a Public academic higher institution. Funded by the Ethiopian Ministry of Education |
| Level in national or international classification | ISCED 6 |
| <u>Training and Conferences</u> | |
| Dates | <i>August 22 – 26, 2011</i> |
| Title of qualification awarded | Certificate “Tailor made course on Geographic Information System and Remote Sensing” |
| Principal subjects covered | |
| Name and type of organization | 1. Haramaya University, Haramaya, Ethiopia 2. UNESCO-IHE, Delft, Netherlands |
| Dates | <i>September 19 -26, 2011</i> |
| Title of qualification awarded | Certificate “International congress water 2011: Integrated Water Resource Management in Tropical and Subtropical Dry Lands” |
| Principal subjects covered | |
| Name and type of organization | 1. VLIR-UOS, Belgium 2. Mekele University, Mekele, Ethiopia |
| Dates | <i>May 16 -18, 2012</i> |
| Title of qualification awarded | Certificate National Conference on “Science, Technology, and Innovation for Prosperity of Ethiopia” |
| Principal subjects covered | |
| Name and type of organization | Institute of Technology, Bahir-Dar University, Bahir-Dar, Ethiopia |

| | | | | | | | | | | |
|--|---|-----------------|---------|-----------------|--------------------|------------------|-------------------|-----------------|----------------|-----------------|
| Dates | June 18 – 26, 2012 | | | | | | | | | |
| Title of qualification awarded | Certificate | | | | | | | | | |
| Principal subjects covered | Training course on “Groundwater Resources Development” | | | | | | | | | |
| Name and type of organization | 1. Addis Ababa University 2. AG Consult 3. MetaMeta Research 4. University Water Sector Partnership (UWSP) | | | | | | | | | |
| Dates | March 16 – 17, 2013 | | | | | | | | | |
| Title of qualification awarded | Certificate | | | | | | | | | |
| Principal subjects covered | International conference on “Various Facets of Energy Technologies and its Management for Sustainable Development” | | | | | | | | | |
| Name and type of organization | Jawaharlal Nehru University (J.N.U), New Delhi, India | | | | | | | | | |
| Dates | December 14 – 23, 2015 | | | | | | | | | |
| Title of qualification awarded | Certificate | | | | | | | | | |
| Principal subjects covered | Training course on “Hydrologic Modeling with SWAT” | | | | | | | | | |
| Name and type of organization | 1. Global Initiative for Academic Networks 2. Ministry of Human Resource Development Government of India | | | | | | | | | |
| Dates | February 12 – 16, 2018 | | | | | | | | | |
| Title of qualification awarded | Certificate | | | | | | | | | |
| Principal subjects covered | Training course on “Remote Sensing of Soil Moisture and its Geophysical Application” | | | | | | | | | |
| Name and type of organization | 1. Indian Institute of Technology Delhi, Department of Civil Engineering, Hauz Khas, New Delhi, India 2. Global Initiative for Academic Networks | | | | | | | | | |
| Dates | September 17, 2018 | | | | | | | | | |
| Title of qualification awarded | Certificate | | | | | | | | | |
| Principal subjects covered | Author workshop on How to Publish a Technical Paper | | | | | | | | | |
| Name and type of organization | 1. Wiley 2. Central Library Indian Institute of Technology Delhi | | | | | | | | | |
| <u>Personal skills and competencies</u> | | | | | | | | | | |
| Language self-assessment | | | | | | | | | | |
| | Understanding | | | | Speaking | | | | Writing | |
| | Listening | | Reading | | Spoken interaction | | Spoken production | | | |
| | C1 | Proficient user | C2 | Proficient user | B2 | Independent user | C1 | Proficient user | C2 | Proficient user |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|------|-------------------|--------------|--|----------------|--------------------------------|------------------------|---|------|---------------------|--------------|---|----------------|-----------------------------|------------------------|-------------------------------------|------|---------------------------|--------------|---|
| Computer skills and competencies | <p>Proficient in Computer Application</p> <ul style="list-style-type: none"> • Basic computer skills (most Microsoft office programs) • Application software in the area of water resources <ul style="list-style-type: none"> ➤ GIS software (ArcView, Arc GIS, QGIS) ➤ Arc SWAT, QSWAT ➤ Remote sensing software (ERDAS Imaging) ➤ Global Mapper ➤ CROPWAT ➤ DSSAT ➤ AquaCrop ➤ WEAP ➤ iRIC (River modelling software) ➤ Global Environmental Flow Calculator ➤ WATERCAD ➤ e-Water Source ➤ MATLAB ➤ LINGO | | | | | | | | | | | | | | | | | | | | |
| Research and Projects | <table border="0"> <tr> <td style="text-align: right;">Date</td><td>Since August 2024</td></tr> <tr> <td style="text-align: right;">Project name</td><td>Evaluation and Documentation of Experiences in the Implementation of Dry Valley Rehabilitation and Productive Use (DVRPU) Approach and Development of Knowledge Products</td></tr> <tr> <td style="text-align: right;">Responsibility</td><td>Co-Principal Investigator (PI)</td></tr> <tr> <td style="text-align: right;">Sponsor of the project</td><td>Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)</td></tr> <tr> <td style="text-align: right;">Date</td><td>Since December 2021</td></tr> <tr> <td style="text-align: right;">Project name</td><td>Spatial Groundwater Assessment and Database Development Through Application of Hydro-census in the East Hararghe Zone, Ethiopia</td></tr> <tr> <td style="text-align: right;">Responsibility</td><td>Principal Investigator (PI)</td></tr> <tr> <td style="text-align: right;">Sponsor of the project</td><td>Haramaya University Research Office</td></tr> <tr> <td style="text-align: right;">Date</td><td><i>Since January 2022</i></td></tr> <tr> <td style="text-align: right;">Project name</td><td>Investigating System Improvement Alternatives for Haramaya University's Irrigation-based Wheat Seed Production Scheme in East Hararghe Zone</td></tr> </table> | Date | Since August 2024 | Project name | Evaluation and Documentation of Experiences in the Implementation of Dry Valley Rehabilitation and Productive Use (DVRPU) Approach and Development of Knowledge Products | Responsibility | Co-Principal Investigator (PI) | Sponsor of the project | Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) | Date | Since December 2021 | Project name | Spatial Groundwater Assessment and Database Development Through Application of Hydro-census in the East Hararghe Zone, Ethiopia | Responsibility | Principal Investigator (PI) | Sponsor of the project | Haramaya University Research Office | Date | <i>Since January 2022</i> | Project name | Investigating System Improvement Alternatives for Haramaya University's Irrigation-based Wheat Seed Production Scheme in East Hararghe Zone |
| Date | Since August 2024 | | | | | | | | | | | | | | | | | | | | |
| Project name | Evaluation and Documentation of Experiences in the Implementation of Dry Valley Rehabilitation and Productive Use (DVRPU) Approach and Development of Knowledge Products | | | | | | | | | | | | | | | | | | | | |
| Responsibility | Co-Principal Investigator (PI) | | | | | | | | | | | | | | | | | | | | |
| Sponsor of the project | Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) | | | | | | | | | | | | | | | | | | | | |
| Date | Since December 2021 | | | | | | | | | | | | | | | | | | | | |
| Project name | Spatial Groundwater Assessment and Database Development Through Application of Hydro-census in the East Hararghe Zone, Ethiopia | | | | | | | | | | | | | | | | | | | | |
| Responsibility | Principal Investigator (PI) | | | | | | | | | | | | | | | | | | | | |
| Sponsor of the project | Haramaya University Research Office | | | | | | | | | | | | | | | | | | | | |
| Date | <i>Since January 2022</i> | | | | | | | | | | | | | | | | | | | | |
| Project name | Investigating System Improvement Alternatives for Haramaya University's Irrigation-based Wheat Seed Production Scheme in East Hararghe Zone | | | | | | | | | | | | | | | | | | | | |

| | |
|------------------------|---|
| Responsibility | Co-Principal Investigator (PI) |
| Sponsor of the project | Ethiopian Water Technology Institute (EWTI), Haramaya University Research Office |
| Date | <i>June 2011 – June 2012</i> |
| Project name | Supporting Action to Strengthen Sustainable Livelihoods and Resilience Capacity of Vulnerable Households in Fedis, Kersa, and Gorogutu Woreda of East Haraghe Zone, Ethiopia. |
| Responsibility | Co-Investigator |
| Sponsor of the project | Comittato Internazionale Per Lo Sviluppo Del Popoli (CISP) International Committee for The Development of Peoples |