Curriculum Vitae	
Personal information	
First name (s)/Surname (s)	Elias Jemal Abdella
Address (es)	Haramaya Institute of Technology (HiT)
	Haramaya University, Ethiopia
Telephone (s)	+251960730284
	+251961280311
E-mail	eljaab@gmail.com
Nationality	Ethiopian Ethiopian
Date of birth	24/04/1981
Gender	Male
Desired employment/	Energy, Engineering, and Information Technologies (EEIT) Thematic Area
Occupational field	leadership position
Work experience	- Constraint position
Dates	October 2010 onwards
Occupation or position held	Lecturer, Consultant, Researcher, and Head of University-Industry Linkage
Main activities and	Advising and teaching undergraduate students; conducting different research
responsibilities	and consultancy work with various teams of experts in the university;
	managing the university-industry linkage (UIL) office.
Name and address of	Haramaya University, Haramaya, Ethiopia
employer	Public, academic higher institution
Type of business or sector	Tuone, academic nigher institution
Type of business of sector	
Dates	November 2007 – September 2010
Occupation or position held	Instructor, researcher, and head of the college registrar
Main activities and	Teaching undergraduate students, conducting research, and managing the
responsibilities	college registrar's office
Name and address of	Gambella agricultural technical, vocational education and training college
employer	Gambella Ethiopia
Type of business or sector	Public, academic higher institution

Dates	October 2004 – October 2007
Occupation or position held	Instructor
Main activities and	Teaching undergraduate students and assistant farm manager
responsibilities	
Name and address of	Agarfa agricultural technical, vocational education and training college, Bale-
employer	Robe, Ethiopia
Type of business or sector	Public, academic higher institution
Education and training	,
Dates	July 2012 – August 2024
Title of qualification	
awarded	Doctor of Philosophy (PhD) in Water Resource Engineering
awarded	Doctor of Timosophy (Timo) in Water Resource Engineering
muinainal aubiacta account	Thesis Title: "Climate Change Impact Analysis on Upper Blue Nile Basin
principal subjects covered	Hydro-Climatology, Crop Yield, Hydropower and Operation Policy of
	Reservoir System"
	Reservoir System
	Indian Institute of Taskuslassy Dalki Danastusant of Civil Engineering Have
Name and type of	Indian Institute of Technology Delhi, Department of Civil Engineering, Hauz-
organization Providing	Khas, New Delhi, India – 110016. It is a Public academic higher institution.
education and training	Funded by the Ethiopian Ministry of Science and Higher Education
Level in national or	ISCED 8
international classification	
	1 1 2007 1 1 2010
Dates	July 2007 – July 2010
Title of qualification	
awarded	Master of Science (MSc.) Degree in Irrigation Engineering
Principal subjects covered	
	Thesis Title: "Intensity-Duration-Frequency (IDF) analysis of point rainfall for
	selected meteorological stations in Ilu-Aba-Bora Zone, Ethioia"
	Courses
	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.
Name and type of	Haramaya University, Haramaya, Ethiopia; it is a Public academic higher
organization providing	institution. Funded by the Ethiopian Ministry of Agriculture and Rural
education and training	Development/ATVET project
concation and training	1 3
Tanalia madamat	
Level in national or	ISCED 7
international classification	
Dates	

Title of qualification	October 1999 – July 2004
awarded	Bachelor of Sciences (BSc.) Degree in Agricultural Engineering and
	Mechanization
Principal subjects covered	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	Hawassa University (former name Debube University), Hawassa, Ethiopia It
education and training	is a Public academic higher institution.
0	Funded by the Ethiopian Ministry of Education
Level in national or	
international classification	ISCED 6
Training and Conferences	
Dates	August 22 – 26, 2011
Title of qualification	Certificate
awarded	"Tailor made course on Geographic Information System and Remote Sensing"
Principal subjects covered	
	 Haramaya University, Haramaya, Ethiopia
Name and type of	2. UNESCO-IHE, Delft, Netherlands
organization	
Dates	September 19 -26, 2011
Title of qualification	Certificate
awarded	"International congress water 2011: Integrated Water Resource Management
Principal subjects covered	in Tropical and Subtropical Dry Lands"
Name and type of	1. VLIR-UOS, Belgium
organization	2. Mekele University, Mekele, Ethiopia
Dates	May 16 -18, 2012
Title of qualification	Certificate
awarded	National Conference on "Science, Technology, and Innovation for Prosperity
Principal subjects covered	of Ethiopia"
Name and type of	Institute of Technology, Bahir-Dar University, Bahir-Dar, Ethiopia
organization	

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

	Proficient in Computer Application
Computer skills and	Basic computer skills (most Microsoft office programs)
competencies	 Application software in the area of water resources
	GIS software (ArcView, Arc GIS, QGIS)
	> Arc SWAT, QSWAT
	Remote sensing software (ERDAS Imaging)
	Global MapperCROPWAT
	> DSSAT
	> AquaCrop
	> WEAP
	➤ iRIC (River modelling software)
	Global Environmental Flow Calculator
	> WATERCAD
	e-Water Source
	> MATLAB
	> LINGO
December 1 December 4	
Research and Projects	Since Assessed 2024
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 Project name	Since January 2022 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	June 2011 – June 2012
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