

ALEMTSEHAY TEKLAY SUBHATU

DR. PHIL. NAT.
GEOGRAPHER

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B 23 March 1987

SUMMARY

Doctor in Geography and Sustainable Development from the University of Bern, Switzerland Natural Resource Management expert with a focus on sustainable land, water, and forest management, climate change, as well as environmental conservation.

Professional fascination for sustainable management of natural resources and climate change adaptation because of its contribution to improving the life of local people and its contribution to communities' adaptation to global climate change.

PROFESSIONAL EXPERIENCE

October 15 2023 – to date

Post doctoral research fellow

Department of Civil Engineering/Faculty Engineering and Architectural Science Toronto Metropolitan University Toronto, Canada

Jan 2020 – October 2023

Assistant professor, and research and community service head

Institute of Climate and Society (ICS) - Mekelle University, Ethiopia

Providing course lectures, co-supervising post graduate students, writing research proposal and conducting research as well as publication, and engaging in the community service activities.

May 2019 – Jan 2020

Assistant professor at geography Department and research and community service vice president

Geography department of Raya University, Ethiopia

Providing course lectures in areas of my qualification in the university, leading research and community service activities in the university, writing research proposal and conducting research and participating in community services projects

Nov 2018 – Sep 2020

Consultant (Part-time)

Includovate, Pty Ltd. www.includovate.com, Australia

Literature reviewing, survey, writing book or scientific article and other consultation activities. I have participated in a consultation on writing a book chapter in natural resource management and gender equity in the south, and gender inclusion country report for Ethiopian and Afghanistan

Mar 2018 – Jul 2018

Consultant (Part-time)

Centre for Development and Environment (CDE), Bern University Switzerland

Reading national and international reports on SDG (Sustainable Development Goals) and summarize in the database of progress for each respective SDG goals.

PERSONAL

Gender: female
Status: married
Children: 1
Nationality: Ethiopian

EDUCATION

PhD in Geography and Sustainable Development

University of Bern, Switzerland
Feb 2014 – Jan 2019

PhD thesis: *Effectiveness of Long-term Soil and Water Conservation in the Ethiopian Highlands*

Certificate of Specialization in Sustainable Development

Basel University, Bern
University, Zurich university and
Lausanne university, Switzerland
Feb 2014 – Jan 2019

*International Graduate School (IGS)
North-South*

MSc in Watershed Management (Soil and Water Conservation)

Feb 2014 - 2011
Seasonal Availability of Common Bee Flora in Relation to Land Use and Colony Performance in Gergera Watershed Atsbi-Wembwrta District, Eastern Zone Of Tigray, Ethiopia.

Oct 2012 – Jan 2014

Soil and Water Management Researcher

Amhara Regional Agricultural Research Institution, P.O. Box 112, Debre Birhan, Ethiopia

Fellow up ongoing research activities on soil and water conservation

Writing new research proposal and presenting at annual review for approval Data preparation and data entry in to SCRP data base for Andit Tid such as climatic data including rainfall data, evaporation, runoff of and soil loss data as well as crop harvest data

From January 2008 to July 2008

Planning, monitoring and evaluation expert

Agriculture and Rural Development Office of Wukro Kilte Awlaelo district, P.O.BOX: 49, Tigray, Ethiopia

Preparing and approving annual plan with the respective departments, such as crop and irrigation team, animal production and natural resource, Monitoring the planned activities and budgets, checking if the planned activities are going as planned time and budget

IT COMPETENCES

MS Word

MS Excel

SPSS

R and RStudio

ArcGIS

LIST OF PUBLICATIONS AND SCIENTIFIC PUBLICATIONS

SCIENTIFIC PUBLICATIONS

Alemtsehay Subhatu, Chinwe Ifejika Speranza, Gete Zeleke, Vincent Roth, Tatenda Lemann, Karl Herweg, and Hans Hurni. 2018. Interrelationships between terrace development, topography, soil erosion, and soil dislocation by tillage in Minchet Catchment, Ethiopian Highlands. Published in Land Degradation & Development. DOI: 10.1002/ldr.3109

Alemtsehay Subhatu, Hurni K, Kassawmar T, Portner B, Zeleke G, Lemann T, Hurni H. 2017. Deposition of eroded soil on terraced croplands in Minchet catchment, Ethiopian Highlands. Published in International Soil and Water Conservation Research Journal. <https://doi.org/10.1016/j.iswcr.2017.05.008>

Alemtsehay Subhatu, Vincent Roth, Donia Jendoubi, Kassa Teka. 2020. Long-term soil and water conservation and agro-ecosystem services in Minchet Catchment Ethiopian Highlands. Under review in Agriculture ecosystems and environment journal.

Vincent Roth, Tatenda Lemann, Gete Zeleke, Alemtsehay Subhatu, Tibebe Kassawmar Nigussie, Hans Hurni. 2018. Effects of climate change on water resources in the upper Blue Nile Basin of Ethiopia. Published in heliyon journal. doi: 10.1016/j.heliyon.2018.e00771

Tatenda Lemann, Vincent Roth, Gete Zeleke, Alemtsehay Subhatu, Tibebe Kassawmar, Hans Hurni. 2018 Spatial and temporal variability in hydrological responses of the upper Blue Nile basin, Ethiopia. 2018. Published in Water Journal. <http://www.mdpi.com/2073-4441/11/1/21/pdf>.

Kassawmar T Desta G Gessesse Zeleke G & Alemtsehay Subhatu. 2018. Assessing the Soil Erosion Control Efficiency of Land Management Practices Implemented Through Free Community Labor Mobilization in Ethiopia. Published in International Soil and Water Conservation Research.

LANGUAGE SKILLS

Tigrigna	Mother tongue
Amharic:	Excellent
English:	Excellent
German:	Beginner

AWARDS

Outstanding Youth Paper Award from World Association of Soil and Water Conservation (WASWAC) in 2016 Serbia.

Awarded CONSOWA scholarship to participate in the 1st World Conference on Soil and Water Conservation under Global Change (CONSOWA), June 2017

Award for field research from International Foundation for Science (IFS) in 2015

Swiss government excellence scholarship to study PhD in Switzerland in 2013

Graduate fellow full scholarship from International Livestock Research Institute (ILRI) in 2008 Addis Ababa Ethiopia, full scholarship for my MSc. degree study

Donia Jendoubi, Elias Hodel, Hanspeter Linger and Alemtsehay Subhatu. 2019. Land degradation assessment using landscape unit approach and normalized difference vegetation index in Northern of Tunisia. published in Journal of Mediterranean Ecology Vol. 17 (67-69)

PHD THESIS

Alemtsehay Subhatu. 2019. Effectiveness of Long-term Soil and Water Conservation in the Ethiopian Highlands. PhD thesis. Institute of Geography, University of Bern, Bern Switzerland

MSC THESIS

Alemtsehay Subhatu. 2011. Seasonal Availability of Common Bee Flora in Relation to Land Use and Colony Performance in Gergera Watershed Atsbi-Wembwrta District, Eastern Zone Of Tigray, Ethiopia. MSc. Thesis. Hawassa University Hawassa Ethiopia.

REPORT

Mulunesh Tsegaye, Kristie Druzca, Alemtsehay Subhatu. 2018. Gender norms agency and innovation in wheat-based systems and livelihoods: synthesis report of four community case studies in Afghanistan. CIMMYT, Islamabad, Pakistan. Available from:
<https://www.researchgate.net/publication/331113104>

CONFERENCE PRESENTATION AND PUBLISHED IN BOOK OF ABSTRACTS

Soil conservation and ecosystem services in the Ethiopian Highlands, Oral presentation at the 20th International Conference of Ethiopian Studies (ICES20), which was held at Mekelle University, Ethiopia from 30 September 2018 - 5 October 2018.

Long-term effects of soil and water conservation on selected ecosystem services in Minchet catchment Ethiopian Highlands. Oral presentation at International conference on water, environment, energy and society ICWEES, 8 to 10 May 2018, Zerkis, Tunisia.

Sediment deposition on the terraced crop lands of Anjeni Catchment, Ethiopia Outstanding Youth Paper Award 2016, and oral presentation of research paper presentation at the 3rd conference of the World Association of Soil and Water Conservation August 22-26, 2016, Belgrade, Serbia.
<http://www.waswac.org/waswac/rootfiles/2017/08/16/1499910845990802-1499910847735804.pdf>

Terrace development due to soil translocation by tillage and sediment deposition: case study in Minchet Catchment, Ethiopian Highlands Poster presentation at the World Conference on Soil and Water Conservation under Global Change-CONSOWA, 12-16 June 2017, Lleida, Spain.

REFERENCES

Available upon request