
Gebermedihin Ambaw Mequannt

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Nationality: Ethiopian

Sex: Male



PROFILE

I have MSC degree from Ghent university and more than a decade of research and teaching experience on soil science, agronomy, and nematology. I am a professional user of statistical software such as GenStat and R. I have published a couple of research articles in high reputable journals. Currently, I am working as Research Officer for CGIAR research program on Climate Change, Agriculture and Food Security (CCAFS).

PROFESSIONAL EXPERIENCE

March 2018 – onwards	Research Officer I <ul style="list-style-type: none">✓ Contribute to developing climate smart agriculture (CSA) research interventions that respond to climate related risks✓ Co-design and update monitoring instruments (quantitative and qualitative), sampling strategies and other protocols for collection of monitoring data✓ Coordinate data collection✓ Supervise and monitor other field data collection efforts and training of enumerators✓ Contribute to statistical analyses, interpret and use results towards feeding lessons, synthesis of knowledge outputs through publications, capacity building of farmers and partners in CSVs (Climate smart villages)
Name and address of employer	✓ International Livestock research Institute (https://www.ilri.org/), P.O. Box 5689, Addis Ababa, Ethiopia
October 2009 - September 2015	Assistant Lecturer <ul style="list-style-type: none">✓ Teaching, conducting different research activities and cooperate with community organizations

	<ul style="list-style-type: none"> ✓ Providing appropriate learning experiences in such a way that students are exposed to a wide range and variety of opportunities, participating in development of instructional materials
Name and address of employer	<ul style="list-style-type: none"> ✓ Jimma University, college of Agriculture and Veterinary Medicine (icolagri@telecom.net.et), P.O Box 307, Jimma, Ethiopia

March 2008 - October 2009	Junior researcher
	<ul style="list-style-type: none"> ✓ Responsible to conduct agronomic research experiments ✓ Responsible to disseminate the research findings with the scientific communities and smallholder farmers. ✓ Responsible to Provide trainings to technical assistants and farmers
Name and address of employer	<ul style="list-style-type: none"> ✓ Amhara Region Agriculture Research Institute (ARARI) (http://www.ar-ari.org/) at Sirinka Agricultural Research center, North Wollo, P.O.Box 74, Woldia, Ethiopia

March 2007 to February 2008	Crop Production expert
	<ul style="list-style-type: none"> ✓ Identifying adapted and productive crop varieties and disseminate to farmers, developing land use plans
Name and address of employer	<ul style="list-style-type: none"> ✓ Dembia Agricultural office, North Gondar, Ethiopia

EDUCATION

2015-2017	International Master of Science in Agro- and International Nematology (Ghent University)
	<ul style="list-style-type: none"> ✓ Theoretical and practical experience on entomopathogenic nematodes (biocontrol), plant parasitic nematodes and biodiversity of nematodes as soil quality and health bioindicators
2003 to 2006	Bachelor of Science in Crop Production and Protection (Jimma University)
	<ul style="list-style-type: none"> ✓ Theoretical and practical experience on agronomy, plant protection, soil fertility management, soil and water conservation practices and plant breeding.

INTERNATIONAL RESEARCH GRANT

2012-2014	<p><i>Project title: Indigenous bio-fertilizer development for sustainable agriculture using value chains of locally available agricultural and agro-industrial residue streams in Ethiopia</i></p> <ul style="list-style-type: none"> ✓ CARE-ACSF IIF funded project; Amount: \$190, 000; (2012-2014)
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2012-2014 *Project title: Sustainable biochar systems to enhance soil fertility, crop productivity and carbon sequestration in resource-poor smallholder farming households of four Ethiopian eco-zones*
✓ *The McKnight Foundation funded project; Amount: \$168,000*


LANGUAGE SKILL

Amharic	Native language
English	Fluent

IT SKILL

MS Office	Advanced user of Word, Excel & Power point
Statistical software	Advanced user of GenStat and R

SELECTED PUBLICATIONS

I have published research articles in peer reviewed journals. The full publication lists could be found at  https://www.researchgate.net/profile/Gebermedihin_Ambaw

Selected publications:

- ✓ **Ambaw G.**, Recha J., Nigussie A., Solomon D., Radeny M. (2020). Soil Carbon Sequestration Potential of Climate-Smart Villages in East African Countries. *Accepted by Climate*
- ✓ Tigist M., **Ambaw G.**, Nigussie A., Amsalu N., Milkiyas A. (2020). Short-term application of biochar increases the amount of fertilizer required to obtain potential yield and reduces marginal agronomic efficiency in high phosphorus-fixing soils. BIOCHAR; <https://doi:10.1007/s42773-020-00059-x>
- ✓ Sumaya N., Olarewaju O., **Ambaw G.**, Yali A., Godina G., Vandenbossche B., Barg M., Doerfler V., Ehlers R., & Molina C. (2020). Gene expression analysis of oxidative stress tolerance in the entomopathogenic nematode *Heterorhabditis bacteriophora*, *Nematology*, , 1-17. doi: <https://doi.org/10.1163/15685411-bja10025>
- ✓ Feliciano D., Recha J, **Ambaw G.**, MacSween K., Solomon D., Wollenberg E. (2020). Mitigation Options Tool (CCAFS-MOT) facilitates stakeholders' learning about the interactions between land use and climate change. *Submitted to Climate policy*
- ✓ **Ambaw G.**, Recha J., Nigussie A., Tadesse M., Radeny M., Solomon D. (2019). Soil organic carbon sequestration for climate change mitigation in East African Climate-Smart Villages. CCAFS Info Note. Wageningen, Netherlands: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).
- ✓ **Ambaw G.**, Tadesse M., Mungai C., Kuma S., Radeny M., Tamene L., Solomon D. (2019). Gender assessment for women's economic empowerment in Doyogena climate-smart landscape in Southern Ethiopia. CCAFS Info Note. Wageningen, Netherlands: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).

- ✓ Tadesse M., Simane B., **Ambaw G.**, Recha J., Abera W., Tamene L., Demeke G., Mekonnen K., Radeny M., Solomon D. (2018). Building soil carbon stocks to enhance adaptation and mitigate climate change in climate-smart landscapes, Southern Ethiopia. CCAFS Info Note. Wageningen, Netherlands: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).
 - ✓ Nigussie A., Ahmed M., Nebiyu A., **Ambaw G.**, Berihun G. and Bishaw A. (2020). Effect of microbial inoculants on carbon and nutrient turnover during composting: A meta-analysis. *Submitted to waste management*
 - ✓ Nigussie, A., Kissi, E., Misganaw, M and **Ambaw, G.** (2012). Effect of Biochar Application on Soil Properties and Nutrient Uptake of Lettuces (*Lactuca sativa*) Grown in Chromium Polluted Soils
 - ✓ Solomon D., Woolf D., Jirka S., De’Gloria S., Belay B., **Ambaw G.**, Getahun K., Ahmed M., Ahmed Z., and Lehmann L. (2016). Ethiopia’s Productive Safety Net Program (PSNP): Soil carbon and fertility impact assessment. A World Bank Climate Smart Initiative (CSI) Report. Cornell University. <https://ecommons.cornell.edu/handle/1813/41301>
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Under preparation scientific articles

- ✓ *Climate smart agriculture as a means of improving crop production, adaptation, and resilience to climate change in Southern Ethiopia* *under preparation*
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