### **CURRICULUM VITAE**

#### **BIO-INFORMATION**

Full name Tewodros Tadesse Woeldesenbet

**Affiliation** 1. Center in Agro-food Economics and Development (CREDA), Barcelona,

Spain

2. Mekelle University, Mekelle, Tigray, Ethiopia

E-mail tewodros.tadesse.woeldesenbet@upc.edu

tewodros.tadesse@mu.edu.et (alternative)

Marital status Married (with a son and a daughter)

Nationality Ethiopian
Languages Tigrigna: native

Amharic: excellent

English: speaking (Good); reading, writing & listening (Very Good)

**Countries lived in** Ethiopia, the Netherlands, South Africa, Sweden, Norway, Spain

Countries traveled to The Netherlands, Sweden, South Africa, Senegal, Kenya, Norway, Belgium,

France, Spain

#### **EDUCATION**

PhD Agricultural and development economics, Wageningen University
MSc Economics, Environment and Policy, Wageningen University

BA Economics, Mekelle University

### **EMPLOYMENT**

Center in Agro-food Economics and Development (CREDA)

Mekelle University

September 2024 – present
2006 – present

# **TEACHING** [Mekelle University, Swedish University of Agricultural Sciences (SLU)]

# Postgraduate:

2016–2024 Scientific Research Writing (PhD), Advanced Econometrics (PhD and MSc),

Ecosystem Valuation (PhD), Advanced Mathematical Economics (MSc), Climate Economics (MSc), Green Economics (MSc), Statistical Methods (MSc), Research Methods (MSc), International Rural Development (MSc), Applied Econometrics (MSc), Quantitative Marketing Research (MSc)

# **Undergraduate:**

2016–2019 Statistics for Economists

2013–2015 Research Methods for Natural Resource Economics, Econometrics

2008–2011 Econometric and Statistical Software Application, Stata

2007–2008 Fundamentals of Econometrics

### **PUBLICATION**

Google Scholar Citations: <a href="https://scholar.google.com/citations?user=nW7iGocAAAAJ&hl=en">https://scholar.google.com/citations?user=nW7iGocAAAAJ&hl=en</a> (August 2024)

H-index: 15 i10-index: 19

- 32. Tewodros Tadesse, Amanuel Hadera, Gebremariam Yeabiyo, Emiru Birhane, Meley Mekonen Rannestad and Melaku Berhe (2024) Controlled grazing as a pathway for enhancing investment in multipurpose trees and welfare. *Journal of Agricultural and Applied Economics*, accepted.
- 31. Amanuel Hadera, Tewodros Tadesse, Weldegebrial Zeweld, Girmay Tesfay, and Bereket Gebremedhin (2024) Trust, tenure security and investment in high-value forests. *Forest Policy and Economics* 166: 103268.
- 30. Gebremariam Yaebiyo, Tewodros Tadesse, Emiru Birhane, Kiros Meles Hadgu, Solomon Kiros, and Tigabu Molla Meresa (2024) Integrated adoption of controlled grazing and multipurpose fodder trees for enhancing tree cover in dryland farming systems. *Agricultural Systems* 218: 103967.
- 29. Meaza Zenebe, Emiru Birhane, Kassa Teka, Mitiku Haile, Tewodros Tadesse, Gebeyehu Taye (2024) Traditional gold mining in the highlands of Ethiopia: Its effect on soil loss and possible reclamation measures. *Journal of Degraded and Mining Lands Management* 11(3): 5565–5574.
- 28. Gebremariam Yaebiyo, Emiru Birhane, Tewodros Tadesse, Solomon Kiros, Kiros Meles Hadgu, Yemane G.Egziabher and Solomon Habtu (2024) Using biochar and deficit irrigation enhanced the growth of commercial agroforestry woody species seedlings in drylands (a case study in Saz, northern Ethiopia). *Agroforestry Systems* 98: 61–79.
- 27. Berket Gebremedhin, Tewodros Tadesse, Amanuel Hadera, Girmay Tesfay and Meley Mekonen Rannestad (2023) Risk preferences, adoption and impact of multiple agroforestry practices. *Forest Policy and Economics* 156: 103069.
- 26. Amanuel Hadera and Tewodros Tadesse (2023) Risk and ambiguity aversion: incentives or disincentives for adoption of improved agricultural land management practices? *Agricultural Economics* 54 (6): 867–883.
- 25. Muluberhan Biedemariam, Emiru Birhane, Biadgilgn Demissie, Tewodros Tadesse, Girmay Gebresamuel, and Solomon Habtu (2022) Ecosystem Service Values as Related to Land Use and Land Cover Changes in Ethiopia: A Review. *Land* 11(12): 2212.
- 24. Tewodros Tadesse, Gebreegziabher Teklay, Dawit W. Mulatu, Meley Mekonen Rannestad, Tigabu Molla Meresa and Dawit Woldelibanos (2022) Forest benefits and willingness to pay for sustainable forest management. *Forest Policy and Economics* 138: 102721.
- 23. Gebremariam Yaebiyo, Emiru Birhane, Tewodros Tadesse, Solomon Kiros, Kiros Meles Hadgu (2021) Evaluating woody species composition and regeneration in controlled and

- free grazing systems for scaling up agroforestry in the highlands of northern Ethiopia. *Agroforestry Systems* 95 (6): 1229–1244.
- 22. Tewodros Tadesse, Tsegay Berhane, Dawit W. Mulatu, and Meley Mekonen Rannestad (2021) Willingness to accept compensation for afromontane forest ecosystems conservation. *Land Use Policy* 105: 105382.
- 21. Tekleyohannes Hailekiros, Berhanu Gebremedhin and Tewodros Tadesse (2020) Technical inefficiency of smallholder wheat production system: empirical study from northern Ethiopia. *Ethiopian Journal of Economics* 27 (2): 151–171.
- 20. Emiru Birhane, Kidane Tadesse, Tewodros Tadesse, Hadgu Hishe, Haftu Abrha and Florent Noulèkoun (2020) Vulnerability of baobab (Adansonia digitata L.) to human disturbances and climate change in western Tigray, Ethiopia: Conservation concerns and priorities. *Global Ecology and Conservation* 22: e00943.
- 19. Tewodros Tadesse (2019) 'Climate-smart Approaches for Strengthening Livelihood Resilience in Ethiopia'. In: Kiros Meles Hadgu, Badege Bishaw, Miyuki Iiyama, Emiru Birhane, Aklilu Negussie, Caryn M. Davis, and Bryan Bernart (Eds.) Climate-smart Agriculture: Enhancing Resilient Agricultural Systems, Landscapes, and Livelihoods in Ethiopia and Beyond. World Agroforestry (ICRAF), Nairobi, Kenya. Pp 211–217.
- 18. Emiru Birhane, Tewodros Tadesse, Mesfin Tilahun and Sarah Tewolde-Berhan (2019) 'Access to Fuelwood and Impacts on Workload and Rural Women's Livelihood: Evidence from Northern Ethiopia'. In: Kiros Meles Hadgu, Badege Bishaw, Miyuki Iiyama, Emiru Birhane, Aklilu Negussie, Caryn M. Davis, and Bryan Bernart (Eds.) Climate-smart Agriculture: Enhancing Resilient Agricultural Systems, Landscapes, and Livelihoods in Ethiopia and Beyond. World Agroforestry (ICRAF), Nairobi, Kenya. Pp 127–139.
- 17. Emiru Birhane, Roman Teklay, Kindeya Gebrehiwot, Negasi Solomon and Tewodros Tadesse (2019) Maintaining Acacia polyacantha Trees in Farmlands Enhances Soil Fertility and Income of Farmers in North Western Tigray, Northern Ethiopia. *Agroforestry Systems* 93 (6): 2135–2149.
- 16. Minaseb Gebremedhn, Emiru Birhane, Kide M. Gebremedihin and Tewodros Tadesse (2018) Fodder quality of Ziziphus spina-christi tree leaves and its effect on soil physicochemical properties and household income in the dry lands of Tigray, Ethiopia. *Range Management and Agroforestry* 39 (2): 156–164.
- 15. Tekleyohannes Hailekiros, Berhanu Gebremedhin and Tewodros Tadesse (2018) Opportunities and constraints in wheat input-output markets: empirical study from Tigray, northern Ethiopia. *Journal of Drylands* 8(2): 823–833.

- 14. Tewodros Tadesse and Kinfe Gebreegziabher Bishu (2018) Urban and per-urban household willingness to pay for dairy cows insurance: empirical enquiry from northern Ethiopia. *Journal of Drylands* 8(1): 741–753.
- 13. Emiru Birhane, Kide Moges Gebremedihin, Tewodros Tadesse, Mengsteab Hailemariam, Negasi Solomon (2017) Exclosures restored the density and root colonization of arbuscular mycorrhizal fungi in Tigray, Northern Ethiopia. *Ecological Processes* 6: 33.
- 12. Negasi Solomon, Emiru Birhane, Tewodros Tadesse, Anna C. Treydte and Kiros Meles (2017) Carbon stocks and sequestration potential of dry forests under community management in Tigray, Ethiopia. *Ecological Processes* 6: 20.
- 11. Melaku Berhe, Dana Hoag, Girmay Tesfay, Tewodros Tadesse, Shunji Oniki, Masaru Kagatsume and Catherine MH Keske (2017) Adaptation to Climate Change and Income of Cattle Owners in the Pastoral and Agro-Pastoral Communities of Northern Ethiopia. *Pastoralism* 7: 12.
- 10. Tiruwork Arega and Tewodros Tadesse (2017) Household Willingness to Pay for Green Electricity in Urban and Peri-urban Tigray, Northern Ethiopia: Determinants and Welfare Effects. *Energy Policy* 100(1): 292-300.
- 9. Felix Moses Tembo, Tewodros Tadesse, Wales Singini (2017) Perceptions and choices of adaptation measures for climate change among teff (Eragrostis tef) farmers of Southeast Tigray, Ethiopia. *Journal of Agricultural Extension and Rural Development* 10(1): 11–19.
- 8. Emiru Birhane, Kidu Gebremeskel, Tewodros Tadesse, Mengsteab Hailemariam, Kiros Meles Hadgu, Lindsey Norgrove and Aklilu Negussie (2016) Integrating Faidherbia albida trees into a sorghum field reduces striga infestation and improves mycorrhiza spore density and colonization. *Agroforestry Systems* 92(3): 643–653.
- 7. Gumisiriza, M., Tewodros Tadesse, Isubikalu, P., Kabirizi, J. and Zziwa, E. (2016) Perception on climate change and climate smart agricultural technologies among small holder mixed farmers in East Africa. *RUFORUM Working Document Series* 14 (4): 225–234.
- 6. Assefa Abay, Emiru Berhane, Tewodros Tadesse and Kiros Meles Hadgu (2015) Moringa Stenopetala tree species improved soil properties and socio-economic benefits in Tigray, northern Ethiopia. *STAR Journal* 4(2): 68-78.
- 5. Kinfe Gebreegziabher and Tewodros Tadesse (2014) Risk perception and management in smallholder dairy farming in Tigray, Northern Ethiopia. *Journal of Risk Research* 17(3): 367-381.
- 4. Kinfe Gebreegziabher and Tewodros Tadesse (2011) Household demand for improved water supply services in Mekelle city, Northern Ethiopia. *Water Policy* 13 (1): 125-142.

- 3. Tewodros Tadesse (2009) Environmental concern and its implication to household waste separation and disposal: evidence from Mekelle, Ethiopia. *Resources, Conservation and Recycling* 53(4): 183-191.
- 2. Tewodros Tadesse and Samson Hadgu (2009) Demand for improved solid waste collection services: a survey in Mekelle. *Journal of the Drylands* 2(1): 32-39.
- 1. Tewodros Tadesse, Arjan Ruijs and Fitsum Hagos (2008) Household waste disposal in Mekelle city, Northern Ethiopia. *Waste Management* 28: 2003-2012.

#### **GRANTS**

- Swiss Government granted a 5-year funding for the project "Mainstreaming Ecological Agriculture into National Policies, Strategies and Programs in Africa", Phase 2: July 2019 (USD 96000 = circa 3.5 million ETB) [with ISD, Sara T/Berhan] (Status: terminated due to the war on Tigray)
- Norwegian government granted a 5-year funding for the project "Steps towards sustainable forest management with the local communities in Tigray, Northern Ethiopia", September 2013 (NOK 17.8 million = circa 42 million ETB) [with Emiru Berhane, Sara T/Berhan and Nigusse Abadi] (Status: completed)
- Swiss Government granted a 5-year funding for the project "Mainstreaming Ecological Agriculture into National Policies, Strategies and Programmes in Africa", Phase 1: August 2014 (USD 154000 = circa 4 million ETB) [with ISD, Sara T/Berhan] (Status: completed)
- Netherlands Fellowship Program: granted fund for the research project "The contribution of town functions to the development of rural areas: within rural-urban linkage in Ethiopia", June 2011 (Euro 53400 = circa 1 million ETB) (Status: completed)
- NORAD II project: granted fund for the research project "Risk Perception and Dairy Cattle Insurance: Evidence from Urban and Peri-Urban Areas of Northern Ethiopia, Tigray", September 2010 (ETB 39950) [with Kinfe Gebreegziabher] (Status: completed)
- Mekelle University research fund: granted fund for the research project "Productive Safety Net Program, food sufficiency and graduation: is it working in rural households of Tigray?" Grant code: CDANR/RB/5/2009, December 2009 (ETB 29760) [with Yibrah Hagos] (Status: completed)
- International Foundation For Science (IFS): granted fund for the research project "Rural towns and the development of rural areas: within rural-urban linkage", Grant code S/4801-1, June 2009 (USD 10221 = circa 130000 ETB) (Status: completed)
- Young Researchers' Fund-NORAD II project: granted fund for the research project "Rural towns and the development of rural areas: within rural-urban linkage (a case study in Tigray region)", December 2008, Mekelle University (NREM department), Mekelle, Ethiopia (ETB 24000) (Status: terminated)
- Young Researchers' Fund-NORAD II project: granted fund for the research project "Analysis of willingness to pay for improved solid waste collection services: evidence from Mekelle city", November 2006, Mekelle University (NREM department), Mekelle, Ethiopia (ETB 9950) [with Samson Hadgu] (Status: completed)

### PEER-REVIEW CONTRIBUTION

*Reviewed articles for the following journals:* 

Agricultural Economics; Journal of Development Studies; Land Use Policy; Ecosystem Services; Climate and Development; Journal of Agricultural and Applied Economics; Journal of Development and Agricultural Economics; Resources, Conservation and Recycling; Heliyon; Environmental Practice; Journal of Drylands

#### **GUEST LECTURING**

- Part of team for the course 'Applied Econometrics', Department of Economics, Aksum University, Shire Campus: December 2016.
- Part of team for the course 'International Rural Development', Department of Urban Development, Swedish University of Agricultural Sciences (SLU), Uppsala, Sweden: February–March 2016.

# **CONSULTANCY** (national and international)

- Capital restructuring for Adeday Microfinance Institution, client: Adeday Microfinance Institution: 2023 (national)
- Transforming the manufacturing sector in Tigray: Challenges, Opportunities and Policy/ Strategy Options, client: Tigray Bureau of Trade, Industry and Urban Development, Regional Government of Tigray: 2018 (national)
- Investment climate survey of resource recovery and reuse businesses in Ethiopia, client: International Water Management Institute (IWMI): 2014–2015 (international)
- Feasibility study for agro-processing industries in Tigray, Ethiopia, client: Regional Government of Tigray: 2015 (national)
- Prospects for farmer producer companies in Tigray, client: The Government of Regional State of Tigray: 2020–2021 (national)

### PROVISION OF SPECIAL TRAININGS

- Stata training to MU academic staff between 2012 and 2014 (consecutive 3 years)
- Econometric and Stata training to MU CBE staff in 2013 and 2014
- Econometric and Stata training to CBE postgraduate students between 2013 and 2015 (consecutive 3 years)

#### CO-WORKSHOP ORGANIZATION

Continental workshop on "Changing Food Systems in Africa: Agroecology and Food Sovereignty and their Role in Nutrition and Health" in collaboration with "Alliance for Food Sovereignty (AFSA), GIZ, Biovision Africa Trust, AfroNet, AFOAM, Sarah T/Berhan, November 24–26, 2016, Friendship Hotel, Addis Ababa, Ethiopia.

National workshop on "Improvement of Animal and Crop Productivity in the Ethiopian Context", September 5–7, 2016, Axum Hotel, Mekelle, Ethiopia (with Sarah T/Berhan).

#### SEMINAR AND WORKSHOP PARTICIPATION

- SOL Development Platform International Seminar on 'Urban functions and input-output marketing'. February 9, 2016, Swedish University of Agricultural Sciences (SLU), Uppsala, Sweden.
- Winter School on 'Trans-disciplinary Research', organized by the Sustainability Institute,
   July 7-11, 2014, Stellenbosch University, Stellenbosch, South Africa.
- Second AGRIMBA-AVA Congress 2011, 'Dynamics of international cooperation in rural development and agribusiness' organized by the Wageningen School of Social Sciences (WASS)- presented a paper entitled 'Rural household crop output marketing: role of town functions and network relations', June 22-24, 2011, Wageningen, the Netherlands.
- PhD Day-2011, 'Challenges of multidisciplinary research' organized by the Wageningen School of Social Sciences (WASS)- presented a paper entitled 'Role of town functions to farm and non-farm income', May 26, 2011, Wageningen, the Netherlands.
- \*8th International Conference on the Ethiopian Economy' organized by the Ethiopian Economics Association presented a paper entitled 'Household employment opportunities in and income from non-farm productive activities: role of town functions', June 24-26, 2010, Addis Ababa, Ethiopia.
- International Training-workshop on 'conceptualization and presentation of winning scientific research proposals' organized by Mekelle University in collaboration with Jimma University, International Foundation for Science (IFS) and Flemish university for development and cooperation (VLIR), proposal presented, September 15-20, 2008, Mekelle, Ethiopia.
- Strengthening rural-urban linkages to improve livelihoods and environment', organized by the Tigray Bureau of Agriculture and Rural Development (BoARD) in collaboration with the Global Mountain Program (GMP), group discussion presented, August 18, 2008, Mekelle, Ethiopia.

# **RESEARCH INTEREST (broad areas)**

Agricultural production, food systems, input-output marketing, technology adoption and diffusion

Rural-urban linkage and rural development, rural livelihoods and poverty analysis

Microeconomic and econometrics of household modeling and spatial econometrics

Experimental economics, monitoring, evaluation and impact assessment of development projects and interventions

Economics and management of the environment and natural resources

Institutions vis-à-vis development

And, more broadly in: Climate change and sustainable development; economics of energy

### KNOWLEDGE OF ANALYTICAL SOFTWARE

Econometric software packages: Stata (programming-level) and NLOGIT (user-level)

General and partial-equilibrium modeling software package: GAMS (user-level)

#### UNIVERSITY AND COMMUNITY SERVICES

### **University and college level services (Mekelle University):**

- PhD curriculum preparation committee (team leader) for department of ARE in "Agricultural and Food Economics": 2020–2021
- MSc curriculum preparation committee (team member) for department of ARE in "Food Economics and Policy": 2020–2021
- Associate editor, Journal of Drylands: 2017–present
- MSc curriculum preparation committee for department of ARE in "Agricultural Economics and Policy": 2017
- PhD curriculum preparation committee for department of LaRMEP in "Ecology and Natural Resource Management": 2016
- Advisor board for small scale project in the college of DANR: 2017–present
- Proposal writing team member for center of Excellence entitled: "Center of Excellence in Climate Resilient Integrated Land and Water Management in Drylands of Eastern and Southern Africa (CRILWM)": 2015
- Stata training to MU community: 2012-2015
- Postgraduate coordinator, NREM: 2012-2014; February 2015-August 2017
- Editorial committee for book of abstracts for the Ecological Organic Agriculture workshop held in Mekelle, Axum Hotel (5–7 September 2016): 2016
- College of DANR research council (member): 2013–present
- College of DANR academic affairs committee (member): 2014–present
- Task force member for college of DANR road preparation: 2017—present

#### **Project management:**

- Coordinator: Phase 2: Ecological Organic Agriculture–Research and Applied Knowledge, EOA–RTE: May 2019–December 2023
- Coordinator: Phase 1: Ecological Organic Agriculture—Research, Training and Extension, EOA—RTE: August 2014—October 2018
- Vice—coordinator: Steps towards Sustainable Forest Management project with Local Communities in Tigray, SFM–NORHED: 2014–2018
- Department coordinator: Agroecology In Practice: 2012–2014

# **Regional services (Tigray government):**

 Technical committee member for conducting feasibility study on Farmer Producer Companies and policy development for instituting such institutions in Tigray: 2019–2021

- Roadmap development for manufacturing policy for the government of Regional State of Tigray: 2018
- Technical committee member for the feasibility study of agro-industries in Tigray region: 2015
- Founding member, Tilahun Yigzaw Alumni Association (TYAA): January 2014– present

#### PHD AND MSC STUDENT SUPERVISION

### **PhD student supervision** (selected):

### **Completed:**

- Gebremariam Yaebiyo (2024). Factors and dynamics affecting the performance and adoption of agroforestry and controlled grazing in the highlands of Tigray, Ethiopia (with Emiru Berhane, Kiros Meles Hadgu and Solomon Kiros)
- Amanuel Hadera (2024). Uncertainties, Tenure Security and Investment on Agricultural Land: Case Studies from Sub-Saharan Africa (with Woldegebrial Zewold and Girmay Tesfay)
- Tekleyohannes Hailekirios (2019). Analysis of Technical Efficiency and Input-Output Marketing of Smallholder Wheat Value Chain in Northern Ethiopia (with Berhanu Gebremedhin)

# **On-going**:

- Meaza Zenebe. Changes in Soil Ecosystem function and willingness to restore ecosystem services following traditional gold mining practice in northern Ethiopia(with Mitiku Hiale, Emiru Brihane and Kassa Teka) (start year: 2021)
- Seifu Gebrehiwet. Agricultural Extension Policy Packages Compliance to Context: Impacts on eco-efficiency and welfare of smallholders across agro-ecologies and landholding sizes in Tigray, Ethiopia (with Girmay Tesfay) (start year: 2019)
- Alem Beyene (*on-going*): Roles of bench terrace to sustainable development in rural areas: The case of Tigray Region, Ethiopia (with Girmay Tesfay) (start year: 2018)
- Muluberhan Biedemariam. Urban Expansion, Ecosystem Services and Ecological Connectivity of Urban Green Infrastructures in Tigray, northern Ethiopia (with Emiru Berhane and Biadgilgn Demisse) (start year: 2018)
- Dida Jilo. Carbon Sequestration Potential and Ecosystem service Values of Drylands under Different Management Practices in Borana Rangeland, Southern Ethiopia (with Emiru Berhane) (start year: 2018)

- Bereket Gebremedhin. Livelihood Effect of Hillside (unproductive) Land Distribution to Landless Youth: Evidence from Tigray, Northern High Land of Ethiopia Girmay Tesfay) (start year: 2017)
- Tesfalem Hagos. Rural livelihoods' vulnerability to climate change Effects: an analysis at the household level in Gulomekada and Erob Districts, Tigrai, Ethiopia (with Bihon Kassa) (start year: 2017)

# **MSc student supervision** (selected):

#### 2019

- Hafte Goitom (2019) Adoption and impact of organic dairy production technologies: The case of Lailay Adiabo district, northwestern zone of Tigray, Ethiopia
- Girmay Gebreegziabher (2019) Gender differentials in the adoption and welfare effects of adopting sustainable agricultural land management practices: The case of woreda Degua - Temben and Tanqua-Abergle Tigray, Ethiopia
- Nigsti Hailay (2019) Economic value of the major provisioning ecosystem services provided by Afromontane forests in de jure protected lands: case study Hugumburda forest

#### 2017

- Gebregziabher Tekay (2017) The Contributions of Selected Forest Ecosystem Services on Livelihood of Local Community: The Case of Desa'a Forest, Eastern Tigray, Northern Ethiopia
- Berhane Tsegay (2017) Willingness to Accept for Forest Conservation: The Case of Desa'a Dry Afromontane Forest, Northern Ethiopia
- Tesfay Abraha (2017) Value chain analysis of honeybee products from exclosures: the case of Tigray, Ethiopia

### 2016

- Redae Halefom (2016) Contribution of Small Ruminants to the Livelihood of Rural Communities: The case of Ganta-Afeshuum and Irob, Tigray, Ethiopia
- Berhane Tesfay (2016) Analysis of Crop Insurance Institutionalization in Rural Communities and Basis Risk Constraints an Adopting Index Insurance: The Case of Eastern Zone of Tigray, Northern Ethiopia
- Felix Moses Tembo (2016) The Impact of Climate Change and Adaptation Strategies Among Teff (Eragrostis Tef) Farmers in Ethiopia: Evidence from Smallholder Farm Households in South-Eastern Tigray

#### 2015

- Dawit Woldelibanos (2016) Impact Evaluation of Safety net on Poverty Reduction and Food Security Improvement Among the Chronically food Insecure Households: The case of REST-Tigray Productive Safety net program (PSNP)
- Mehari Hishe (2016) Apple Fruit Value Chain Analysis and Its Socio-economic Contribution in the Highlands of Tigray, Northern Ethiopia

#### 2014

- Tiruwork Arega (2014) Household Willingness to Pay for Climate Change Mitigation in Urban Tigray: The Case of Green Electricity
- Urbans Benywanira (2014) Climate Change Adaptation Practices in Tow Drought Prone Woredas of Tigray
- Temesgen Bezabh (2014)The Role of Local Institutions in Food Security and Adaptation to Climate Change in Kilte-Awlaelo Woreda, Eastern Zone of Tigray region, Ethiopia

#### 2013

- Gidey Beyene (2014) Sustainability in Value Chain Analysis of Honey: The Case of Tahtay-Koraro Woreda, North-western Tigray, Ethiopia
- Gumisiriza Margaret (2013) Impact of Psychological Elements on the Adoption of Climate Change Adaptation Strategies among Smallholder farmers in Uganda: The case of Ngora and Masaka districts
- Yemane Kahsai (2013) Vulnerability Analysis and Assessment of Determinants for Fertilizer Intensity and Coping Mechanisms for Maize Growers: The Case of Small holder Farmers in Bako, Western Shewa zone in Oromia, Ethiopia
- Meseret Embaye (2013) gender-wise Comparative Analysis of Vulnerability to Climate Change: The Case Study of Southern Zone of Tigray
- Habtu Kahsay (2013) Climate Change Variability and Impact on Livestock Health and Household Income: The Case of Raya Azebo Woreda, Southern Zone of Tigray

#### REFERENCES

1. Kinfe Gebreegziabher Bishu (PhD) Medical University of South Carolina 45 Courtenay Drive, MSC 203 Charleston, sc 29425, US +1 843-792-7744 Bishu@musc.edu

**2.** Kibrom Araya Abay (PhD)

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**3.** Tafesse W. Gezahegn (PhD)

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