

MULUBRHAN AMARE

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INTERNATIONAL FOOD POLICY RESEARCH INSTITUTE (IFPRI)

Senior Research Fellow • Development and Agricultural Economist

Highly accomplished and results-driven development and agricultural economist with a strong quantitative research experience in impact evaluation, rural institutions, agricultural transformation, and poverty analysis strong. His expertise lies in quantitative agricultural and development economics, with a specific focus on areas such as food and nutrition security, urbanization, agricultural transformation, and migration. His expertise spans various focus areas, including impact evaluation, rural institutions, food system transformation, poverty and inequality, conflict, and migration. Currently, his primary research efforts are directed towards food and nutrition security, conducting impact evaluations of agricultural technologies and development interventions, and exploring the ramifications of conflicts on Africa south of the Sahara. Prior to his tenure at IFPRI, Mulubrhan served as a postdoctoral researcher at the Partnership for Economic Policy in Nairobi, Kenya. Additionally, he held a research position at Leibniz University of Hannover, Germany, where he focused on analyzing the impact of shocks on vulnerability to poverty and migration in Southeast Asia. Mulubrhan holds an MA in Development Impact Evaluation and Management from the University of Antwerp, Belgium, and he earned his PhD in Economics from Leibniz University of Hannover, Germany.

EDUCATION

Massachusetts Institute of Technology Massachusetts Institute of Technology December 2024– April 2024
Data Science/Machine Learning Certificate: Completed three projects and six courses with exceptional grades.

PhD Economics with a focus on development and agricultural economics 2011-2015
Institute of Development and Agricultural Economics, Leibniz Universität Hannover *Hannover, Germany*
Dissertation: Shocks, Migration and Welfare Dynamics in South-East Asia (Honor: Magna cum Laude)

M.A. Development Evaluation and Management 2008-2009
University of Antwerp (VLIR-UOS Scholarship: 2008-2009) *Antwerp, Belgium*
Dissertation: Food Aid Impact on Poverty Reduction: Empirical Evidence from Rural Households in Ethiopia
(Prize for Outstanding Dissertation for Development Cooperation)

M.Sc. Economics: Economics Policy Analysis 2004-2006
Addis Ababa University *Addis Ababa, Ethiopia*
Thesis: An Econometric Analysis of Macroeconomic Determinants of Private Investment in Ethiopia.

B.A. Economics 1998-2002
Mekelle University *Mekelle, Ethiopia*

PROFESSIONAL EXPERIENCE

Apr 2024 – Present Senior Research Fellow, IFPRI, Washington, DC, USA
Apr 2020 – Mar 2024 Research Fellow, IFPRI, Washington, DC, USA
Dec 2016 – Mar 2020 Associate Research Fellow, IFPRI, Washington, DC, USA
Feb 2015 – Nov 2016 Post-doctoral Researcher, Partnership for Economic Policy (PEP), Nairobi, Kenya.
Feb 2011 – Jan 2015 Research Associate, Institute of Development and Agricultural Economics Leibniz Universität Hannover, Germany.
Sep 2009 – Jul 2010 Collaborating Research Fellow, International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Nairobi, Kenya.
Apr 2006 – Sep 2008 Lecturer, Mekelle University, Department of Natural Resources Economics and Management, Mekelle, Ethiopia.

SPECIALIZED SKILLS/TRAINING

COMPUTER SKILLS: Pandas (Software), Numpy; Python Machine Learning, Data Science; STATA programming, SAS, Python, R, SPSS, MS Office (Excel, Word, Power Point, Access), database management with Access and SQL Database Management Studio (working knowledge)

SELECTED AWARDS AND GRANTS

- Fellowship Award for the impact of agricultural productivity on rural household welfare in sub-Saharan Africa: Structural Transformation of African Agriculture and Rural Spaces: (STAARS) & Cornell University (May-Dec. 2016).
- International Foundation for Science (IFS) Researcher Grant; Project title: *Production Risk, Market Participation and Rural Poverty in Rural Northern Ethiopia* (2011-2012).
- VLIR-UOS South-South Fellow Award: The International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Nairobi, Kenya. (2009-2010).
- Poverty Reduction Strategy Trust Fund (PRSTF), World Bank and United Nations Grant; Project title: *Shocks and Coping Strategies in Rural Household of Ethiopia: Longitudinal Analysis*. (2008-2009).
- Prize for Outstanding Dissertation for Development Cooperation: Executive board of the Provincial Council of Antwerp, Belgium. (2009).

SELECTED PAPERS AND PROCEEDINGS**Journal Articles**

1. **Mulubrhan Amare**; Channing Arndt; Zhe Guo; and Greg Seymour' 2024. Variation in women's attitudes toward intimate partner violence across the rural–urban continuum in Ethiopia. *World Development* 174: 106451.
2. **Mulubrhan Amare**; Kibrom A. Abay; and Patrick L Hatzenbuehler. Spatial market integration during a pandemic: Evidence from food markets in Nigeria. *Agricultural Economics*.
3. **Mulubrhan Amare** and Bedru Balana: "Climate Change, Agricultural Productivity, Crop Mix and Input Use Decisions: Evidence from Nigeria." *Ecological Economics* 211, 107892.
4. **Mulubrhan Amare**, Kibrom A. Abay and Jordan Chamberlin. 2023. The Role of Spatial Inequalities on Youth Migration Decisions: Empirical Evidence from Nigeria. *Journal of Development Studies* 59(6): 911–932.
5. **Mulubrhan Amare**, Priyanka Priyanka Parvathi, and Trung Thanh Nguyen 2023. Signaling Change: Micro Insights on the Pathways to Agricultural Transformation. *Canadian Journal of Agricultural Economics* 71 (1): 69-87
6. Patrick L. Hatzenbuehler; George Mavrotas; and **Mulubrhan Amare**. 2023. Differences in peri-urban and rural farm production decisions amid policy change in Nigeria. *World Development Perspectives* 32: 100541. *World Development Perspectives* 32: 100541.
7. **Mulubrhan Amare**, Hosaena Ghebru and Adebayo I. Ogunniyi: "The Role Land Inheritance on Youth Livelihood Choices: Evidence from Rural Nigeria." *The European Journal of Development Research*
8. Abay, Kibrom A.; Abay, Mehari Hiluf; **Amare, Mulubrhan**; Berhane, Guush; and Aynekulu, Ermias. 2022. Mismatch between soil nutrient deficiencies and fertilizer applications: Implications for yield responses in Ethiopia. *Agricultural Economics* 53(2): 215-230.
9. **Mulubrhan Amare**, Kibrom A. Abay, Luca Tiberti and Jordan Chamberlin (2022): "COVID-19 and Food Security: Panel Data Evidence from Nigeria." *Food Policy*, 101 (102099).
10. **Mulubrhan Amare**, Bekele Shiferaw, Hiroyuki Takeshima and George Mavrotas (2021): "Variability in agricultural productivity and rural household consumption inequality: Evidence from Nigeria and Uganda." *Agricultural Economics*, 52(1):19-36.
11. Kibrom A. Abay, **Mulubrhan Amare**, Luca Tiberti and Kwaw Andam (2022). COVID-19-Induced Disruptions of School Feeding Services Exacerbate Food Insecurity in Nigeria. *Journal of Nutrition*, 151(8):2245-2253.
12. **Mulubrhan Amare**, Kibrom A. Abay, Channing Arndt and Bekele Shiferaw (2021). Youth Migration Decisions in Sub-Saharan Africa – Satellite-based Empirical Evidence from Nigeria. *Population and Development Review*. 47(1):151-179
13. **Mulubrhan Amare**, Channing Arndt, Kristi Mahrt and George Mavrotas (2021). Polygynous Family Structure and Child Malnutrition in Africa: Empirical Evidence from Nigeria. *Journal of Development Studies*, 57(10): 1640-1661
14. **Mulubrhan Amare**, Channing Arndt, Kibrom A. Abay and Todd Benson (2020). Urbanization and Child Nutritional Outcomes. *World Bank Economic Review* 34(1): 63–74.

15. **Mulubrhan Amare** (2020). Avocados in Kenya: what's holding back smallholder farmers. *The Conversation* February 18, 2020.
16. **Mulubrhan Amare**, Jane Mariara, Remco Oostendorp, Menno Pradhan (2019). The impact of smallholder farmers' participation in avocado export markets on the labor market, farm yields, sales prices, and incomes in Kenya. *Land Use Policy* 88 (2019) 104168.
17. Olusegun Fadare, **Mulubrhan Amare**, George Mavrotas, Dare Akerele, and Adebayo Ogunniyi (2019). Mother's Nutrition-related Knowledge and Child Nutrition Outcomes: Empirical Evidence from Nigeria. *PLoS ONE* 14(2): e021277.
18. **Mulubrhan Amare**, Jennifer Denno Cissé, Bekele Shiferaw and Nathaniel D. Jensen (2018). Rainfall shocks and agricultural productivity: Implication for rural household consumption. *Agricultural Systems* 166: 79–89.
19. Kibrom Abay and **Mulubrhan Amare** (2018). Night Light Intensity and Women's Body Weight: Evidence from Nigeria. *Economics and Human Biology* 31:238-248.
20. **Mulubrhan Amare**, Todd Benson, Olusegun Fadare, and Motunrayo Oyeyemi (2018). Study of the determinants of chronic malnutrition in northern Nigeria: Quantitative evidence from the Nigeria Demographic and Health Surveys. *Food and Nutrition Bulletin* 39(2) 296-314.
21. Alirah Emmanuel Weyori, **Mulubrhan Amare**, Hildegard Garming, and Hermann Waibel (2018). Agricultural innovation systems and farm technology adoption: Findings from a study of the Ghanaian plantain sector. *The Journal of Agricultural Education and Extension* 24(1): 65-87.
22. **Mulubrhan Amare** and Bekele Shiferaw (2017). Nonfarm employment, agricultural intensification, and productivity change: Empirical findings from Uganda. *Agricultural Economics* 48(S1): 59-72.
23. **Mulubrhan Amare** and Lena Hohfeld (2016). Poverty Transitions in Rural Vietnam: The Role of Migration and Remittances. *Journal of Development Studies* 10(52): 1463-1478.
24. **Mulubrhan Amare** and Solomon Asfaw (2012). Food Aid Impact of Poverty Reduction in Ethiopia." *Journal of Development Effectiveness*, 4(2) : 235-256.
25. **Mulubrhan Amare**, Solomon Asfaw and Bekele Shiferaw (2012). Welfare Impacts of Maize-Pigeonpea Intensification in Tanzania. *Agricultural Economics* 43: 27-47.
26. **Mulubrhan Amare**, Lena Hohfeld, Somchai Jitsuchon, and Hermann Waibel (2012). Rural–Urban Migration and Employment Quality: A Case Study from Thailand. *Asian Development Review*, 29(1):57-79.

Book Chapter

1. **Mulubrhan Amare**; Bekele Shiferaw; Dolapo Adeyanju; Kwaw S. Andam; and Jane Mariara. 2023. Fresh produce value chains in Kenya: Challenges and prospects for enhanced market access and inclusion of smallholders. In *Food Systems Transformation in Kenya: Lessons from the Past and Policy Options for the Future*, eds. Clemens Breisinger, Michael Keenan, Juneweenex Mbuthi, and Jemimah Njuki. Part 5: Toward more inclusive food systems, Chapter 15, Pp. 379-408
2. Bedru Balana; Kwaw Andam; **Mulubrhan Amare**; Dolapo Adeyanju; and David Laborde Debuque. 2023. The Russia-Ukraine crisis presents threats to Nigeria's food security, but potential opportunities for the fertilizer, energy sectors. In *The Russia-Ukraine Conflict and Global Food Security*, eds. Joseph Glauber and David Laborde. Section Four: Country Impacts and Responses: Sub-Saharan Africa, Chapter 32, Pp. 164-169.
3. Kibrom A. Abay; **Mulubrhan Amare**; Luca Tiberti, Kwaw S. Andam; and Michael Wang (2022). COVID-19-induced disruptions of school feeding services exacerbate food insecurity in Nigeria. In *COVID-19 and global food security: Two years later*, eds. John McDermott and Johan Swinnen. Part Three: Nutrition, Health and Social Programs, Chapter 23, Pp. 135-137.

Working Papers and IFPRI-Policy brief

1. **Mulubrhan Amare**; Kwaw S. Andam; George Mavrotas; and Adebayo Ogunniyi. 2023. Exploring how land inheritance shapes youth migration and work choices in rural Nigeria. IFPRI Policy Brief December 2023. Washington, DC: International Food Policy Research Institute (IFPRI)
2. **Mulubrhan Amare**; Bedru Balana; and Omobolanle Onilogbo. 2023. Enhancing climate resilience in Nigerian agriculture: Implications for sustainable adaptation and livelihood diversification. NSSP Policy Note 56. Washington, DC: International Food Policy Research Institute (IFPRI).
3. Rewa Misra; **Mulubrhan Amare**; Kate Ambler; Temilolu Bamiwuye; Jeffrey R. Bloem; and Wagner Julia. 2023. Promoting a bundle of biofortified seeds and agricultural inputs in northeastern Nigeria.

- Fragility, Conflict, and Migration. Project Note. Washington, DC: International Food Policy Research Institute (IFPRI).
4. **Mulubrhan Amare**; Helder Zavale; Jenny Smart; and Hosaena Ghebru. (2022). The impact of market system development approaches: The case of InovAgro in Mozambique. IFPRI Policy Brief September 2022. Washington, DC: International Food Policy Research Institute (IFPRI).
 5. **Mulubrhan Amare**; Kibrom A. Abay; and Jordan Chamberlin. 2022. The role of spatial inequalities on youth migration decisions: Empirical evidence from Nigeria. IFPRI Discussion Paper 2160. Washington, DC: International Food Policy Research Institute (IFPRI).
 6. **Mulubrhan Amare**; Helder Zavale; Jenny Smart; and Hosaena Ghebru. 2022. Innovation for Agribusiness (InovAgro): Household- and market-level impacts of value chain interventions. IFPRI Discussion Paper 2143. Washington, DC: International Food Policy Research Institute (IFPRI).
 7. **Amare, Mulubrhan**; Zavale, Helder; Smart, Jenny; and Ghebru, Hosaena. 2022. The impact of market system development approaches: The case of InovAgro in Mozambique. IFPRI Policy Brief September 2022. Washington, DC: International Food Policy Research Institute (IFPRI).
 8. Kibrom A Abay; Mehari Hiluf Abay; **Mulubrhan Amare**; Guush Berhane; Aynekulu Ermias (2021): "Mismatch between soil nutrient requirements and fertilizer applications: Implications for yield responses in Ethiopia" **IFPRI Discussion Paper 2031**, Washington, D.C.
 9. **Mulubrhan Amare**, Bekele Shiferaw, Hiroyuki Takeshima and George Mavrotas (2021): "Variability in agricultural productivity and rural household consumption inequality: Evidence from Nigeria and Uganda." **NSSP Working Paper 67**. Washington, D.C.: International Food Policy Research Institute.
 10. **Mulubrhan Amare**, Channing Arndt, Zhe Guo, and Greg Seymour (2020): "Variation in women's attitudes toward intimate partner violence across the rural-urban continuum in Ethiopia." **ESSP Working Paper 155**. Washington, D.C.: International Food Policy Research Institute.
 11. Todd Benson, **Mulubrhan Amare** and Adebayo I. Ogunniyi (2020): "The relative commercial orientation of smallholder farmers in Nigeria: Household and crop value-chain analyses." **NSSP Working Paper 66**, Washington, D.C.: International Food Policy Research Institute.
 12. **Mulubrhan Amare**, Kibrom A. Abay, Luca Tiberti and Jordan Chamberlin (2020): "Impacts of COVID-19 on food security: Panel data evidence from Nigeria." **IFPRI Discussion Paper 01956**, Washington, D.C.
 13. **Mulubrhan Amare**, Bedru Balana, and Adebayo Ogunniyi (2020): "The role of agriculture in reducing child undernutrition in Nigeria." **NSSP Working Paper 62**. Washington, D.C.: International Food Policy Research Institute.
 14. **Mulubrhan Amare**, Channing Arndt, Kristi Mahrt, and George Mavrotas (2020): Polygynous family structure and child undernutrition in Nigeria. **NSSP Working Paper 61**, Washington, D.C.: International Food Policy Research Institute.
 15. **Mulubrhan Amare**, Priyanka Parvathi, and Trung Thanh Nguyen (2019): "Signaling Change: Micro Insights on the Pathways to Agricultural Transformation." **IFPRI Discussion Paper 01803**, Washington, D.C.
 16. **Mulubrhan Amare**; George Mavrotas, Hyacinth Edeh (2018): "Farmers' crop choice decisions: Trends and determinants in Nigeria and Uganda." **IFPRI Discussion Paper 01716**, Washington, D.C.
 17. Hiroyuki Takeshima, **Mulubrhan Amare**, George Mavrotas (2018): "The role of agricultural productivity in non-farm activities in Nigeria: Effects on sector orientation and factor intensity." **IFPRI Discussion Paper 01761**, Washington, D.C.
 18. Hosaena Ghebru, **Mulubrhan Amare**, George Mavrotas, Adebayo Ogunniyi (2018): "Role of land access in youth migration and youth employment decisions: Empirical evidence from rural Nigeria." **NSSP Working Paper 58**. Washington, D.C.: International Food Policy Research Institute (IFPRI).
 19. **Mulubrhan Amare**, Channing Arndt, Kibrom A. Abay and Todd Benson (2017): "Urbanization and Child Nutritional Outcomes." **NSSP Working Paper 49**. Washington, D.C.: International Food Policy Research Institute (IFPRI).
 20. **Mulubrhan Amare**, Todd Benson, Olusegun Fadare, and Motunrayo Oyeyemi (2017): "Study of the determinants of chronic malnutrition in northern Nigeria: Quantitative evidence from the Nigeria Demographic and Health Surveys." **IFPRI-NSSP Working Paper 45**. Washington, D.C.
 21. Todd Benson, **Mulubrhan Amare**, Olusegun Fadare, and Motunrayo Oyeyemi (2017): "Study of the determinants of chronic malnutrition in northern Nigeria: Qualitative evidence from Kebbi and Bauchi states." **IFPRI-NSSP Working Paper 44**. Washington, D.C.

22. Todd Benson, **Mulubrhan Amare**, Motunrayo Oyeyemi, and Olusegun Fadare (2017):“Synopsis: Study of the determinants of chronic malnutrition in northern Nigeria: Qualitative evidence from Kebbi and Bauchi states.” **IFPRI-NSSP Policy Note 43**. Washington, D.C.
23. **Mulubrhan Amare**, Todd Benson, Motunrayo Oyeyemi and Olusegun Fadare (2017): “Synopsis: Study of the determinants of chronic malnutrition in northern Nigeria: Quantitative evidence from the Nigeria Demographic and Health Surveys.” **IFPRI-NSSP Policy Note 44**. Washington, D.C.
24. Solomon Asfaw, Nancy McCarthy, Adriana Paolantonio, Romina Cavatassi, **Mulubrhan Amare** and Leslie Lipper (2015): “Livelihood diversification and vulnerability to poverty in rural Malawi” **FAO ESA Working Paper** No. 15-02.
25. **Mulubrhan Amare** and Hermann Waibel (2014): “Climate Variability, Shocks and Non-Farm Employment: Evidence from Rural Households in Northeast Thailand” German Association of Agricultural Economists (GEWISOLA) **Discussion Papers**.
26. **Mulubrhan Amare** and German Calfat (2010): “Food Aid Impact on Poverty Reduction: Empirical Evidence from Rural Households in Ethiopia.” University of Antwerp, **Discussion Paper No 5**. Antwerp, Belgium.

Selected works currently under review in journals.

1. **Mulubrhan Amare**, Hosaena Ghebru, Jenny Smart and Helder Zavale: “The Household Level Impacts of the Innovation for Agribusiness: Evidence from Mozambique.” **Revise and resubmit**.
2. **Mulubrhan Amare**, Hosaena Ghebru, Jenny Smart and Helder Zavale: The Household Level Impacts of the Innovation for Agribusiness: Evidence from Mozambique. **Revise and resubmit**.
3. **Mulubrhan Amare**, Kibrom A. Abay, Guush Berhane; Kwaw S. Andam; and Dolapo Adeyanju. Conflicts, Crop Choice, and Agricultural Investments: Empirical Evidence from Nigeria. **Submitted**.
4. Hiroyuki Takeshima, **Mulubrhan Amare** and George Mavrotas: “Agricultural productivity and non-farm economies in Nigeria: Delving deeper into the nexus.”

SELECTED CONFERENCE PRESENTATIONS

2023:

- Presented in the FAO Technical Network on Poverty Analysis (Think-PA) Webinar Session held on April 19, 2023, Rome.
- Nigeria Launch of the IFPRI 2023 Global Food Policy Report & Fragile conflict and migration (FCM) Seminar Series

2022:

- IFPR-RISE 2022
- Nigeria Launch of the IFPRI 2022 Global Food Policy Report & National Policies and Strategies (NPS) Seminar Series

2021:

- Innovation for Agribusiness (InovAgro) Project Impact Evaluation Results Dissemination Workshop
- IFPR-RISE 2021
- 31st International Conference of Agricultural Economists (ICAE)
- Presented in the FAO Technical Network on Poverty Analysis (Think-PA) Webinar Session held on April 19, 2021, Rome.

2020:

- Presented empirical research outputs during USAID/Nigeria and Partners Nutrition Interactive Session held on February 20, 2020, Abuja Nigeria.

2019:

- Land and Poverty Conference 2019.
- 6th African Conference of Agricultural Economists.

2018:

- Annual Scientific Gender Conference and Capacity Development Workshop.
 - The International Consortium on Applied Bioeconomic Research Conference.
- 2017:
- Structural Transformation of African Agricultural and Rural Spaces (STAARS) workshop.
- 2016:
- International Conference of the African Association of Agricultural Economists.
 - FAO: Rural Transformation, Agricultural and Food System Transition Conference.
- 2015:
- Structural Transformation of African Agricultural and Rural Spaces (STAARS) conference.
- 2014:
- German Association of Agricultural Economists (GEWISOLA-Tagung) conference.
 - Annual conference on “Development Economics & Policy” of Ausschuss für Entwicklungsländer (AEL) of Verein für Socialpolitik.
- 2013:
- Poverty Reduction, Equity and Growth Network Conference.
 - “Development Economics & Policy” of Ausschuss für Entwicklungsländer (AEL) of Verein für Socialpolitik.
 - Arnoldshain Seminar.
- 2012:
- PhD Conference on International Development.
- 2011:
- “Development Economics & Policy” of Ausschuss für Entwicklungsländer (AEL) of Verein für Socialpolitik.
 - Ethiopian Economic Association conference.

OP-EDS AND BLOG POSTS

- “The Russia-Ukraine crisis presents threats to Nigeria’s food security, but potential opportunities for the fertilizer, energy sectors” [<https://www.ifpri.org/blog/russia-ukraine-crisis-presents-threats-nigerias-food-security-potential-opportunities>]
- “COVID-19-induced disruptions of school feeding services exacerbate food insecurity in Nigeria” (2021). IFPRI Research Blog
- “Avocados in Kenya: what’s holding back smallholder farmers?” (2020). The Conversation. [\[link\]](#)
- “Avocados in Kenya: what’s holding back smallholder farmers?” (2020). IFPRI Research Blog (with Julia Wilson). [\[link\]](#)

PRESS

- Can avocado exports bring prosperity to Kenya’s smallholder farmer? IFPRI Press Release • Jan 14, 2020
- Can avocado exports bring prosperity to Kenya's smallholder farmer? (South Africa Broadcasting Corporation) • Jan 8, 2020
- Can avocado exports bring prosperity to Kenya's smallholder farmer? (Radio France Internationale) • Jan 5, 2020
- Kenya’s avocado farming, and where the profit lies (Smart Farmer Kenya) • Sep 25, 2020
- Can avocado exports bring prosperity to Kenya's smallholder farmer? (African Business) • Jan 2, 2020
- Malnutrition and stunted growth in Nigeria (Voice of Nigeria (VON)): • Sep 30, 2019
- Malnutrition and stunted growth in Nigeria (News Nigeria, Sundiata, and on Nigerian radio) • Sep 30, 2019
- Urbanization and its association with stunting and obesity/overweight in women (Channel Africa Radio) • Nov 21, 2018.
- Urbanization associated with lower rates of child stunting but higher rates of obesity among women IFPRI Press Release • Nov 19, 2018.