

# Fissha Asmare

## *Curriculum Vitae*

### Personal details

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### Personal Statement

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I am a research fellow in Environmental/Agricultural Economics at Scotland's Rural College (SRUC). My research broadly focuses on measuring the impact of climate change, climate change adaptation, and behavioral anomalies on resource use efficiency and various welfare outcomes. I have gained experience in contemporary research and analyzing a large set of survey and experimental data using the latest statistical software, mainly Stata. My research works have also been published in highly-ranked journals of the field, including the Journal of Agricultural Economics and Energy Economics Journal.

### Work Experience

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*05/2023 – present* **Research Fellow in Environmental/Agricultural Economics:** Scotland's Rural College (SRUC) – Edinburgh, UK.

*10/2019 – 06/2023* **PhD Fellow and Junior Researcher :** Vilnius University – Vilnius, Lithuania.

Collaborating with academics and research partners on different projects, analyzing statistical data using the Stata software package, presenting research findings at conferences with a confident public speaking style, managing large data-set for both experimental and survey-based research, writing scholarly articles and working papers related to the field of expertise.

*07/2017 – 10/2019* **Lecturer:** Debre Berhan University – Debre Berhan, Ethiopia .

Teaching undergraduate economics courses, undertake research works, provide effective research proposal writing training for undergraduate students

*07/2017 – 10/2019* **Research Assistant:** Ethiopian Development Research Institute (EDRI)-the current Policy Study Institute (PSI)– Addis Ababa, Ethiopia.

Prepare literature review and synthesis, undertake data management activities, conduct statistical and econometric analysis, assist in the write-up of research reports and papers, support stakeholder engagements

*09/2018 – 11/2018* **Qualitative Research Expert:** Midterm qualitative evaluation of the Second Agricultural Growth Program (AGP II) –Policy Study Institute (PSI), Addis Ababa, Ethiopia.

I conducted a document review, Key Informant Interview (KII) and Focused Group Discussion(FGD) with rural farm households, different stakeholders like regional and Zonal administrators and experts at the woreda level. I also wrote a qualitative research report about the project's impact on various outcomes, including commercialization, nutrition, and productivity.

02/2016 – 04/2017 **Data Collector:** Adaptation to Increase Resilience to Climate Change in Ethiopian Agriculture Round II, III; Ecosystem Service Accounting for Development (ESfD). Ethiopian Development Research Institute (EDRI) – Addis Ababa, Ethiopia.

I collected rural/urban household survey data in the form of Computer Assisted Personal Interview (CAPI) in Addis Ababa and the Nile Basin of Ethiopia.

11/2012 – 06/2017 **Graduate Assistant:** Wachemo University – Hossaena, Ethiopia.

My main tasks were Teaching undergraduate economics students and providing community services.

## Education

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10/2019 – 06/2023 **PhD degree:** Economics/Environmental Economics, Vilnius University - Vilnius, Lithuania.

- **Thesis title:** Essays on behavioural environmental economics applied to Energy and production Efficiency

10/2014 – 07/2016 **Master of Science :** Economics, Addis Ababa University - Addis Ababa, Ethiopia.

- Graduated with first-class honors.

- **Thesis title:** The effect of climate change adaptation strategy on rural farm households' welfare in the Nile basin of Ethiopia: is there synergy or trade-offs?

- **Awarded:** Environment and climate research center (ECRC) at Ethiopian Development Research Institute (EDRI) postgraduate students research grant.

09/2009 – 07/2012 **Bachelor of Arts :** Economics

**Haramaya University** - Dire Dawa, Ethiopia.

- Graduated with first-class honors

## Language

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- Amharic: Native language; English: Proficient; Geez: Basic

## Skills

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- Expert in most of the Microsoft Office programs
- Proficient user of Stata Software package
- Experience with SPSS and R Software packages
- Excellent in using LATEX, Beamer, and different reference managers

## Research and Publications

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- Asmare, F., Jaraitė, J., Kažukauskas, A. (2022) Climate change adaptation and productive efficiency of subsistence farming: A bias-corrected panel data stochastic frontier approach. *Journal of Agricultural Economics*, 00, 1–22. <https://doi.org/10.1111/1477-9552.12479>
- Asmare, F., Jaraitė, J., Kažukauskas, A. (2021). The effect of descriptive information provision on electricity consumption: Experimental evidence from Lithuania. *Energy Economics*, 104, 105687.
- Asmare, F., Giedraitis, V., Jaraitė, J., Kažukauskas, A. (2023). Energy-related financial literacy and retrofits of Soviet-era apartment buildings: The case of Lithuania. *Energy Economics*, 120, 106583.

- Asmare, F., Teklewold, H. and Mekonnen, A. (2019), The effect of climate change adaptation strategy on farm households welfare in the Nile basin of Ethiopia: Is there synergy or trade-offs?, *International Journal of Climate Change Strategies and Management*, Vol. 11 No. 4, pp. 518-535. <https://doi.org/10.1108/IJCCSM-10-2017-0192>
- Climate Smart Agriculture (CSA) and climate resilience: Panel Data Evidence from Ethiopia **revised and submitted to the Climatic change journal** (with Martin Paul Jr. Tabe-Ojong).
- The spillover effect of social comparison information. Experimental evidence on residential energy and water use. **Revise and submit in the Environmental and Resource Economics journal** (With Andrius Kažukauskas, Jūratė Jaraitė, and Thomas Broberg).
- Alebel, B. W., Tadese, K., Mekonen, B., Tigabu, G., Yimam, S., Abenezer, W. Asmare, F . (2019). Second Agricultural Growth Program (AGP II) Impact Evaluation Report: Midterm Quantitative Evaluation. Policy Studies Institute (PSI) research report, <https://tinyurl.com/2p965d8h?download=115:second-agricultural-growth-program-agp-ii-impact-evaluation-report>
- Yimam, S., Asmare , F . (2020). Gender and Tax Compliance: Firm-Level Evidence from Ethiopia. ICTD working paper. Available at: <https://www.ictd.ac/publication/gender-tax-compliance-ethiopia-firm-level-evidence/>
- Yimam, S.; Asmare, F. and Moore, M. (2023) Does Competition from the Informal Sector Reduce Tax Compliance in the Formal Sector? Evidence from Ethiopia, ICTD Working Paper 165, Brighton, DOI: 10.19088/ICTD.2023.023.
- Asmare, F. A., Yimam, S., Semreab, E. (2023). Presumptive Taxation and Equity: Evidence from the Ethiopian Informal Sector, (ICTD African Tax Administration; No. 32). Institute of Development Studies. <https://doi.org/10.19088/ICTD.2023.056>.

### Ongoing research works

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- How does climate variability affect the productive efficiency of subsistence farmers? A panel data evidence from smallholder farmers in Ethiopia.
- Climate information, agricultural production decision making and production efficiency in the face of climate change. A panel data evidence from the Nile basin of Ethiopia **with Seid Yimam, Gebeyehu Manie and Yalew Mekonnen.**
- Technical Efficiency and Production Risk in the Scottish Agriculture **with Andrew Barnes, Klaus Glenk and Bethan Thompson.**

### Professional Memberships

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- European Association of Environmental and Resource Economists (EAERE)
- The European Association of Agricultural Economists
- Ethiopian Economics Association
- Agricultural Economics Society (AES)

## Awards and Research Grants

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- IGC's 2023 small research grant (30,981GBP)
- Lithuanian Research Council grant to support top study results (2022)
- Lithuanian government PhD students scholarship at Vilnius University (2019-2023).
- International Center for Tax and Development (ICTD) research grant (9,000 USD): How best we can tax the hard to tax? The implication to equity with **Seid Yimam and Etsehiwot Semreab.**(2022)
- International Center for Tax and Development (ICTD) research grant (10,000 USD): Perception on Informal firms' Competition and Tax compliance: Firm Level Evidence from Ethiopia with **Seid Yimam.** (2021)
- International Center for Tax and Development (ICTD) research grant (17,000 USD): Gender and Tax Compliance: Firm-level evidence from Ethiopia with **Seid Yimam.** (2019).
- Wachemo University Research grant (3,300 USD) Determinants of Food insecurity and coping mechanisms among Rural Farm households with **Yishak Ergicho and Solomon Tilahun.** (2014)

## Conference presentations

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- The 40<sup>th</sup> International Energy Workshop (IEW)-25-27 May/2022
- The 96<sup>th</sup> Annual conference of the Agricultural Economics Society (AES) 4-6 April/2022
- Vilnius University PhD Seminar in Economics, February 2022
- 10<sup>th</sup> Annual Lithuanian Conference on Economic Research. December-2021
- The 26<sup>th</sup> Annual Conference of the European Association of Environmental and Resource Economists (EAERE)-23 June-25 June/2021.
- Development and Research Conference (DevRes2021) 14 June- 16 June/2021.
- 3<sup>rd</sup> Baltic economic conference June 7-8, 2021.
- ENERDAY 2021- 15<sup>th</sup> International conference on energy economics and technology, 9 April/2021.
- 9<sup>th</sup> Annual Lithuanian Conference on Economic Research. December-2020.
- The 25<sup>th</sup> Annual Conference of the European Association of Environmental and Resource Economists (EAERE)
- Vilnius University PhD Seminar in Economics, April 2020

## References

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**Andrius Kažukauskas (Associate Professor)**

Senior Researcher at Vilnius University Faculty of Economics and Business Administration;  
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**Jūratė Jaraitė (Professor)**

Senior Researcher at Vilnius University Faculty of Economics and Business Administration;  
Sauletekio 9, II rumai, Vilnius, Lithuania 10222.

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