

Personal Background

Full Name: Sied H. Mohamed
Sex: Male
Marital status: Married

Educational Background

- PhD in Economics, University of Gothenburg, Sweden
- MPhil in Development and Environmental Economics, University of Oslo, Norway
- BA in Economics, Addis Ababa University [Graduated with distinction]

Teaching Experience

August 2024-present Visiting Assistant Professor at the Department of Economics, Grinnell College, Iowa state, USA

August 2022 to January 2023: Visiting Assistant Professor at the Department of Economics, Whitman College, Washington state, USA

September 2015-November 2020: part time assistant professor position at Addis Ababa University, Department of Economics, Addis Ababa, Ethiopia

July 2004-August 2010: Graduate Assistant, and Lecturer at the Department of Economics, Mekelle University, Ethiopia

Courses Taught At higher Education

1. Undergraduate Students at Whitman College

Courses

Principles of Microeconomics

Statistics for Economists

2. Undergraduate and post graduate students at Addis Ababa University (From 2015 to 2020)

Courses

Microeconomics

Econometrics

3. Teaching Undergraduate students at Mekelle University (2004 to 2010)

Courses

Microeconomics

Econometrics

Macroeconomics

Environmental Economics

4. Econometrics for post graduate students at Mekelle University (2020)

Advising

1. About 50 undergraduate and master students at Mekelle and Addis Ababa Universities
2. PhD- Co-advisor for one student from 2015 to 2020 at Addis Ababa University

Research Experience

January 2023- : Data analyst and Researcher, CADMUS Group, Arlington, Virginia, USA
 September 2021 to July 2022: Consultant at the World Bank, Washington DC, USA
 September 1, 2015 -November 2020: Senior Researcher at Ethiopian Policy Study Institute, Addis Ababa, Ethiopia(part-time)
 November 2018-October 2020: European Investment Bank (EIB)-Global Development Network (GDN) Research Fellow in Applied Development Finance(Remote)(part-time)
 June 2009-August 2010- Remote Assistant Researcher, International Research Institute for Climate and Society, Colombia University, USA

List of Publications

1. Climbing up the ladder: Households' fuel choice transition for lighting in Ethiopia(2023). *Energy Economics*. V.128
<https://doi.org/10.1016/j.eneco.2023.107162>
2. The effect of information and subsidy on adoption of solar lanterns: An application of the BDM bidding mechanism in rural Ethiopia(2023). *Energy Economics*. V.124
<https://doi.org/10.1016/j.eneco.2023.106869>
3. Decision-making within the household: The role of autonomy and differences in preferences (2023) *Journal of Economic Behavior and Organization*, V. 207. Pages 511-528
<https://doi.org/10.1016/j.jebo.2023.01.022>
4. Effect of electricity price reform on households' electricity consumption in urban Ethiopia (2022) *Utility Policy*. V. 79
<https://doi.org/10.1016/j.jup.2022.101445>
5. Pre-paid meters and household electricity use behaviors: Evidence from Addis Ababa, Ethiopia[2022], *Energy Policy* V. 170
<https://doi.org/10.1016/j.enpol.2022.113251>
6. A Review of Impacts of Electricity Tariff Reform in Africa[2022] *Energy policy* V. 170
<https://doi.org/10.1016/j.enpol.2022.113226>
7. Is energy the golden thread? A systematic review of the impacts of modern and traditional energy use in low- and middle-income countries(2021). *Renewable and Sustainable Energy Reviews*, 135, 110406
<https://doi.org/10.1016/j.rser.2020.110406>
8. Households' valuation of power outages in major cities of Ethiopia: An Application of stated preference methods(2021). *Energy Economics*,V.102
<https://doi.org/10.1016/j.eneco.2021.105527>
9. The Effect of Power Outage on micro and small enterprises productivity and revenue: Evidence from urban Ethiopia 2019) *Ethiopian Journal of Economics*
<https://www.ajol.info/index.php/eje/article/view/207563>
10. Determinants of enterprises use of energy efficient technologies: evidence from urban Ethiopia (2018) [*Energy Policy* 119, 388-395]

- <https://doi.org/10.1016/j.enpol.2018.04.057>
11. The effect of farmyard manure on the continued and discontinued use of inorganic fertilizer: an IV-Ordered analysis (2018), *Land use policy* 72, 523-532
<https://doi.org/10.1016/j.landusepol.2018.01.002>
 12. Household fuel choice in urban China: A random effect generalized probit analysis' (2017), *Environment and Development Economics*, 1-22
<https://doi.org/10.1017/S1355770X17000092>
 13. Does purchase price matter for the waiting time to start energy efficient technologies: Experimental Evidence from rural Ethiopia (2017) [*Energy Economics* 68, 133-14
<https://doi.org/10.1016/j.eneco.2017.09.021>
 14. Adoption and Dis-adoption of Electric Cookstove: Panel Data Evidence from Ethiopia (2014), *Resource and Energy Economics* 38
<https://doi.org/10.1016/j.reseneeco.2014.06.004>

List of Working papers

- 1) Modelling residential electricity demand in Ethiopia: A mixed methods approach(2022). EEG Working paper. September 2022
https://www.energyeconomicgrowth.org/www.energyeconomicgrowth.org/sites/default/files/2022-09/EEG%20Working%20Paper%20-%20Modelling%20residential%20electricity%20demand%20in%20Ethiopia_%20a%20mixed%20methods%20approach.pdf
- 2) The Effect of Information and Subsidy Measures on Adoption of Solar Lanterns: An Application of the BDM Bidding Mechanism in Rural Ethiopia(2021). *World Bank Policy Working paper, No. 9595*
<https://openknowledge.worldbank.org/handle/10986/35307>
- 3) Low Carbon Development and Access to Electricity in Ethiopia (2020). White paper, Centre for Strategic and International Studies.
<https://www.csis.org/analysis/energy-transition-strategies-ethiopias-low-carbon-development-pathway>
- 4) Decision-making within the household: The role of autonomy and differences in preferences (2020). Ruhr Economic papers, RWI, No.874
<https://www.econstor.eu/handle/10419/227101>
- 5) The impact of private sector projects in Africa: Studies from the EIB-GDN Programme, Cycle 2(2020). European Investment Bank, ISBN: 978-92-861-4843-9
<https://www.eib.org/en/publications/the-impact-of-private-sector-projects-in-africa-cycle-2>
- 6) Main Features of Micro and small manufacturing enterprises in Ethiopia: Baseline survey report (2018). Ethiopian Development Research
<http://psi.gov.et/ESBDE-Book%20published-version%20July%202018.pdf>
- 7) On the adoption and disadoption of Household Energy and farm Technologies. PhD thesis, University of Gothenburg (2015)
https://gupea.ub.gu.se/bitstream/2077/38619/4/gupea_2077_38619_4.pdf
- 8) Disadoption, substitutability, and complementarity of agricultural technologies: a random effects multivariate probit analysis (2015). EfD Working Paper, No.
<https://media.rff.org/documents/EfD-DP-15-26.pdf>

Data Analytics Skills: Stata, R, Python, SQL Machine Learning, Tableau

Presentation in Conferences and Workshops

1. Participated on the Global Development Network (GDN) hosted its 19th global development conference on the 23-25 October 2019, Bone ,Germany
2. Participated and presented a paper in the 13th Annual Meeting of EfD in Bogota, Colombia.
3. Participated and presented a paper at the 6th World congress of Environmental and Resource Economists, organized by the Department of Economics at the School of Business, Economics and Law at University of Gothenburg Sweden, June 25-29,2018
4. Participated and presented a paper at the second Sustainable Energy Transition Initiative (SETI) workshop took place at Duke University, USA from April May9-11 2017
5. Participated and presented a paper at the first Sustainable Energy Transition Initiative (SETI) workshop took place at Duke University, USA from April 25-27 2016
6. Participated and presented a paper at the 21st Annual Conference of the European Association of Environmental and Resource Economists, June 24-27 2015, Helsinki Finland
7. Participated and presented a paper at a workshop, titled ‘Sustainable energy transitions in low and middle-income countries: lessons for Ethiopia’ which was held on June 1st to 3rd-2015, in Addis Ababa and Kuriftu, Ethiopia.
8. Participated and presented a paper at the 8th Environment for Development Initiative annual meeting at Dar es salaam, October 26-28, 2014, Tanzania
9. Participated and presented a paper at the sixth Environment for Development Initiative annual meeting at Arenal Volcano Hotel, October 25-29, 2012, Costa-Rica
10. Participated and presented a paper at Nordic Conference in Development Economics, June 18- 20, 2012, University of Gothenburg, Sweden

Grants and Scholarships

- EEG call for proposals on Energy system development pathways for Ethiopia[£ 400,000]
- EEG call for proposals on marco and micro effect of electric tariff reform[£ 418,000]
- Environment and Development Initiative (EfD) fund for the projects solar diffusion and impact of rural electrification(about 1 million SEK), 2017
- Paul and Marie Berghaus endowment fund , support fund [Paul och Marie Berghaus donationsfond, understödsfonden], 2013
- Adlerbert Scholarship Foundation [Adlerbertska Stipendiestiftelsen],2012
- Paul and Marie Berghaus endowment fund , support fund [Paul och Marie Berghaus donationsfond, understödsfonden], 2012
- Adlerbert Scholarship Foundation [Adlerbertska Stipendiestiftelsen],,2011

- Swedish International Development Cooperation Agency (Sida). PhD Program in Economics at Gothenburg University, August 2010-June2015.
- The Norwegian Quota Scholarship for the master's program in Development and Environmental Economics at the university of Oslo, August 2006-June 2008