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Appointments and Experience

Feb 2024 - present, **Visiting Professor**, School of Economics, University of Cape Town

2022 - present, **Associate Professor**, Department of Economics, University of Gothenburg

2022 - present, **Invited Researcher**, Jameel-Poverty Action Lab (J-PAL) King Climate Action Initiative (K-CAI)

2019 - present **Director, Academic Programs**; Environment for Development (EfD) and Department of Economics; School of Business, Economics and Law; University of Gothenburg

2011 - 2019 **Research Director**, Environment for Development (EfD), Department of Economics, School of Business, Economics and Law, University of Gothenburg

2016 - present **Research Associate**, Rhine West Phalia Institute for Economic Research (RWI), Essen, Germany

2012-2013 **Visiting Scholar**, Department of Agr. & Res. Economics, University of California Berkeley

2011-present **Research Associate**, EfD-Tanzania, Department of Economics, University of Dar es Salaam

2011-present **Research Associate**, Environment and Climate Research Center (ECRC), Ethiopian Development Research Institute

2002-2006 **Assistant Lecturer, Lecturer, and Vice-Head**, Department of Economics, Addis Ababa University

Education

Ph.D. Economics, University of Gothenburg, 2011.

MSc. Economics, Addis Ababa University, 2004

MSc. Specialization Certificate, Environmental Economics and Policy Analysis, Univ. of Pretoria, 2003

B.A. Economics, Addis Ababa University *with distinction*, 2002

Research

Peer- Reviewed Journal Articles

- Alem, Y. Kocher, M., Shurz, S., Carlsson, F. & Lindahl, M. (2023). Distributional Preferences in Adolescent peer Networks, *Experimental Economics*, 26: 223-248.
- Alem, Y., Hassen, S., and Köhlin, G. (2023). Decision-making within the Household: The Role of Division of Labor and Differences in Preferences, *Journal of Economic Behavior and Organization*, 207: 511-528.
- Alem, Y., & Tato, G. Shocks and Mental Health: Panel Data Evidence from South Africa, *World Development*, 168: 1-11.
- Alem, Y., & Dugoua, E. (2022). Learning from Unincentivized and Incentivized Communication: A Randomized Controlled Trial in India *Economic Development and Cultural Change*, 71(1).
- Alem, Y., & Colmer, J. (2022). Blame it on the rain: Rainfall variability, consumption smoothing, and subjective well-being in rural Ethiopia, *American Journal of Agricultural Economics*, 104(3): 905-920.
- Alem, Y., Behrend, H., Belot, M., & Biro, A.. (2021). Mind Training, Stress and Behaviour - a Randomised Experiment, *PLOS ONE*, 16(11): e0258172.
- Alem, Y., & Demeke, E. (2020). The Persistence of Energy Poverty: A Dynamic Probit Analysis, *Energy Economics*, 90: 1-11.
- Ruhinduka, R., Alem, Y., Eggert, H., & Lybbert, T. (2020). Paddy Post-Harvest: The Role of Preferences in Storage and Processing Decisions of Tanzanian Rice Farmers, *European Review of Agricultural Economics*, 47(4): 1587-1620.
- Alem, Y & Andersson, L. (2019). International Remittances and Private Inter-household Transfers: Exploring the Links, *European Journal of Development Research*, 31: 902-928.
- Alem, Y., Eggert, H., Kocher, M., & Ruhinduka, R. (2018). Why (Field) Experiments on Unethical Behavior are Important: Comparing Stated and Revealed Behavior, *Journal of Economic Behavior and Organization*, 156: 71-85.
- Alem, Y., & Broussard, H. N. (2018). The impact of Safety Nets on Technology Adoption: A Difference-in-differences Analysis, *Agricultural Economics*, 49(1): 13-24.
- Alem, Y., Damte, A., Köhlin, G., & Mekonen, A. (2016). Modelling Household Cooking Fuel Choice: a Random Effects Multinomial Logit Analysis, *Energy Economics*, 59: 129-137.
- Alem, Y., Eggert, H., & Ruhinduka, R. (2015). Improving Welfare through Climate-friendly Agriculture: The Case of the System of Rice Intensification, *Environmental and Resource Economics*, 62: 243-263.
- Alem, Y., (2015). Poverty persistence and intra-household heterogeneity in occupations: Evidence from urban Ethiopia, *Oxford Development Studies*, 43(1): 20-43.
- Alem, Y., Hassen, S., & Köhlin, G. (2014). Adoption and Disadoption of Electric Cookstoves in Urban Ethiopia: Evidence from Panel Data, *Resource and Energy Economics*, 38: 110-124.
- Sterner, T., Alem, Y. et al., (2014). The Environment for Development Initiative: lessons learned in research, academic capacity building and policy intervention to manage resources for sustainable growth, *Environment and Development Economics*, 19(3): 367-391.

Alem, Y., Köhlin, G., & Stage, J. (2014). The Persistence of subjective Poverty in Urban Ethiopia, *World Development*, 56: 51-61.

Alem, Y., and Köhlin, G. (2013). The Impact of Food Price Inflation on Subjective Well-being: Evidence from Urban Ethiopia, *Social Indicators Research*, 116: 853-868.

Ekbom, A., Alem, Y., and Sterner, T. (2013). Integrating Soil Science into Agricultural Production Frontiers. *Environment and Development Economics*, 18(3): 291-308.

Alem, Y., and Söderbom, M., (2012). Household-level consumption in urban Ethiopia: The effects of a large food price shock. *World Development*, 40: 146-162.

Alem, Y., Bezabih, M., Kassie, M., and Zikhali, P. (2010). Does fertilizer use respond to rainfall variability? Panel data evidence from Ethiopia. *Agricultural Economics*, 41: 165-175.

Articles Under Consideration

Alem, Y. & Schurz, S. Parental Decision-Making and Educational Investments: The Gains from Cooperation (Revise & Resubmit, *Journal of Development Economics*).

Alem, Y. & Ruhinduka, R. Saving Africa's Tropical Forests through Energy Transition: a Randomised Controlled Trial (Revise & Resubmit, the *World Bank Economic Review*).

Alem, Y., Loeser, J., & Mahajan, A. Intertemporal Choice Bracketing and the Measurement of Time Preferences (Under Review).

Alem, Y., & Abebe, M. Drought, Livestock Holding, and Milk Production: A Difference-in-Differences Analysis (Under Review)

Alem, Y. Mitigating Climate Change through Sustainable Technology Adoption: Insights from Cook-stove Interventions (Under Review)

Book Chapters

Alem, Y., Maurell, M., & Millock, K. (2018). "Migration as an Adaptation Strategy to Weather Variability: An Instrumental Variables Probit Analysis" in Berck, P., & Berck, C. (eds), *Agricultural Adaptation to Climate Change in Africa*, (RFF Press, 2018).

Alem, Y., & Söderbom, M. (2017). "Teff Consumption in Urban Ethiopia: Trends and Correlates" in Minten, B., & Taffesse, A.S (eds), *The Economics of Teff*, (Pensilvenia University Press, 2017).

Ongoing Research

Power Outage, Firm Productivity and Generator Use: A Regression Discontinuity Analysis [**Fieldwork Complete**]

Solar Boilers, Enterprise Charcoal Use and Air Quality: A Randomized Controlled Trial in Tanzania (With John Loeser and Remidius Ruhinduka). [**Fieldwork On-going**].

The Impact of Energy Transition on Micro and Small Enterprises: A Randomized Controlled Trial in Tanzania (With John Loeser, World Bank, and Remidius Ruhinduka, University of Dar es Salaam)

The Scars of Child Labor: Long-term Impacts on Youth Employment and Earnings (with Gidisa Tato, Addis Ababa University)

The Impact of a Large-Scale Climatic Shock on Input Use: Exploring the Mechanisms (With Meseret Abebe)

Field Work Experience

Spring 2023, Restaurants Energy Use Fact-Finding Survey, Dar es Salaam, Tanzania.

Spring 2023, Enterprise Electricity and Generator Use Survey, Lagos, Nigeria.

Summer 2021, Restaurant Energy Use Survey, Lagos, Nigeria.

Spring 2018, Peers and preference formation project, Dar es Salaam, Tanzania.

Spring 2017, Inconsistent Inter-temporal Choice project, Nairobi, Kenya.

September 2015 and July 2016, Liquidity Constraint and LPG Adoption project, Dar es Salaam, Tanzania.

May 2015, Social Networks, Gender and Solar Technology Adoption project, Uttar Pradesh State, India.

November 2014, Mind, Behaviour and Health project, Edinburgh, Scotland.

July-August 2013, System of Rice Intensification project, Kilombero District, Tanzania

December, 2008 - June 2009, Ethiopian Urban Socio-economic Survey project, four major urban areas of Ethiopia

Nov. 2004- May 2005, Participatory Poverty Assessment project, Urban and Western Ethiopia

Teaching

High-level Trainings

Randomized Controlled Trials: From Theory to Practice, University of Economics Ho Chi Minh City (UEH University), Vietnam (Fall 2023); Faculty of UEH University

Academic Writing and Research Ethics, University of Gothenburg (2023); University of Nigeria, Nsukka (Spring 2023); EfD Early-Career Researchers (Fall, 2022); University of Rwanda (summer 2022);

Research Ethics and Misconduct: Associate Deans and Academic Representatives of all Colleges of Addis Ababa University, March 2020, 2021, 2022

Causal Inference and Impact Evaluation of Development Interventions (PhD): EfD Early-Career-Fellows, Monkey Valley, South Africa, June 2022; University of Nigeria, Nsukka Faculty, Sept 2020; University of Rwanda Faculty, Jan 2020; EfD Network Researchers, Nov 2018; African Economic Research Consortium Researchers, Mauritius, June 2018

Applied Panel Data Analysis; EfD Early-Career-Fellows, Monkey Valley, South Africa, June 2022.

Lecturing

Advanced Panel Data Econometrics (PhD): University of Gothenburg, 2023, 2022, 2021, 2020, 2019, 2017, 2015, 2013.

Development Economics (PhD): University of Gothenburg, 2021, 2019, 2017, 2015, 2014

Causal Inference and Impact Evaluation (PhD): University of Gothenburg, 2021

Applied Econometrics (PhD. 2nd year): Addis Ababa University, 2018

Applied Econometrics (MSc. 2nd year): Univ. of Gothenburg, 2014, 2012, 2011

Graduate Econometrics (MSc. 1st year): University of Gothenburg, 2014, 2010

Natural Resource Economics (PhD): UC Berkeley, 2014, University of Gothenburg, 2012

Panel Data Econometrics (Graduate Level), Univ. of Rwanda, Univ. of Dar es Salaam, Mekelle University, 2013, 2019; Addis Ababa University, 2014

Development Econometrics (PhD): University of Gothenburg, Autumn 2011.

Topics in Risk and Technology Adoption in Agriculture (MSc.): Chalmers University of Technology, 2011.

Intermediate Microeconomics, Development Economics I & II, Principles of Economics (Undergraduate): Addis Ababa University, 2002- 2006, .

Supervision of PhD Students

Completed

Simon Schürz (with Mikael Lindahl), Department of Economics, University of Gothenburg. PhD Thesis Title: *Economic and Intergenerational Decision-Making in Families* March 2020.

Eyoual Demeke (Supervised with Fredrik Carlsson), Department of Economics, University of Gothenburg. PhD Thesis Title: *Essays on Environmental and Behavioural Economics* May 2019, currently working as an Economist at the World Bank.

Sied Hassen (Supervised with Gunnar Köhlin). Department of Economics, University of Gothenburg PhD Thesis Title: *On the Adoption and Dis-adoption of Household Energy and Farm Technologies*. June 2015, currently a Senior Research Fellow at the Policy Studies Institute.

Remidius Ruhinduka (Supervised with Hakan Eggert). Department of Economics, University of Gothenburg, PhD Thesis Title: *Essays on Field Experiments and Impact Evaluation*. Dec. 2015, currently a Senior Lecturer at the University of Dar es Salaam.

Ongoing

Gidisa Lachisa Tato, Dept. of Economics, University of Gothenburg and Addis Ababa University Collaborative PhD Program

Meseret Berhane Abebe, Dept. of Economics, University of Gothenburg and Addis Ababa University Collaborative PhD Program

Leulseged Woldemichael, Dept. of Economics, University of Gothenburg and Addis Ababa University Collaborative PhD Program

Mentorship of Postdocs and Early Career Fellows

Chau Minh Tran, Early Career Fellow, University of Economics & Business, Vietnam National University

Florence Lwiza, EfD Early Career Fellow, Dept. of Agri Business and Natural Resource Economics, Makerere University

Examination of PhD Students

Anonymous, University of Cape Town, School of Economics, Fall 2022

Anonymous, University of Pretoria, Department of Economics, Spring 2022

Tewodros Tessema., Discussant at higher seminar, PhD Chapter: *Improved Stoves and Subjective Well-being of Women*. December 2019, Department of Economics, University of Gothenburg

Yuanyuan Yi., Discussant at higher seminar, PhD Thesis Title: *Forest Reform in China: Impacts on Investment and Land Rental Markets*. January 2017. Department of Economics, University of Gothenburg.

Tensay H. Meles, Discussant at higher seminar, PhD Thesis Title: *Consumers Response to Marginal Price in Non-linear Electricity Pricing*. May 2017. Department of Economics, University of Gothenburg.

Invited Seminars, Research Visits and Conference Presentations

2023: RWI Seminar Series, Essen, Germany; 17th EfD Annual Meeting, Accra, Ghana; 28th EAERE annual conference, Limssol, Cyprus; The Nordic Development Economics Conference, Gothenburg; Economic Development in Africa Conference, University of Oxford; Luleå University, Economics Unit seminar series.

2022: Universidad de Los Andes, Department of Economics Seminar Series; Environmental Economics Research Group Seminar Series, Department of Economics, University of Gothenburg; The 22nd Annual Conference of the European Association of Environmental and Resource Economists, Rimini, Italy; Invited Speaker: University of Cape Town, School of Economics Seminar Series; University of Pretoria, Department of Economics Seminar Series.

2021: Keynote Speaker at the 15th EfD Annual Conference (Virtual), The Nordic Development Economics Conference 2021 (virtual); University of Gothenburg, Behavioural and Experimental Economics seminar series (virtual)

2020: The 14th EfD Annual Conference (Virtual); University of Rwanda, staff seminar series (virtual); University of Nigeria, Nsukka, staff seminar series (virtual)

2019: The 13th EfD Annual Conference, Bogota, Colombia; UNU–MERIT seminar series, Maastricht University; Oxford Development Economics Workshop, University of Oxford; BERKnomics Conference in memory of Peter Berck, Haas Business School, UC Berkeley; Development Research Group, the World Bank; The 17th Annual Conference on the Ethiopian Economy, Addis Ababa; The Nordic Development Economics Conference 2019, University of Copenhagen; Addis Ababa University, Department of Economics; School of Economics, University of Rwanda

2018: The 12th EfD Annual Conference, Hanoi; UC Berkeley, Dept. of Ag & Res. Econ.; AERC Bi-annual meeting, Mauritius; Sustainable Energy Transitions annual Conference, Duke University; The World Bank Research Department, Washington DC; School of Economics, University of Rwanda; Addis Ababa University, Department of Economics; Department of Economics, University of Dar es Salaam;

2017: Indian Statistical Institute annual economic conference; Center for Economic Growth (CEG) seminar series, New Delhi, University of Nigeria Nsukka, Agricultural Economics Seminar Series; University of California Berkeley; University of California Davis; the World Bank research department; Center For the Studies of African Economies (CSAE), University of Oxford annual conference on development in Africa; Sustainable Development Research Society Annual Conference, Universidad de los Andes, Colombia;

2016: Economic Sciences Association Annual Conference, Bergen, Norway; Energy and Economic Development Workshop organized by the University of California Berkeley; Peking University, Economics Seminar Series, China; Remin University of China, Department of Energy Economics Seminar Series; University of Dar es Salaam Economics Seminar Series; Rhine Westphalia Institute for Economic Research (RWI) Economics Seminar Series, Germany

2015: University of California Berkeley, Department of Agr. & Res. Economics; University of California Davis, Development Economics Seminar Series; International Growth Center (IGC), Energy and Growth Conference, London; Indian Statistical Institute (ISI) annual Environmental Economics Workshop; Brown University; NBER/BREAD joint Development Conference, Cambridge USA; Environment and Climate Research Centre (ECRC) Seminar Series, Ethiopian Development Research Institute; Portland State University, Department of Economics Seminar Series; Columbia University, Department of Public Policy; Luleå University of Technology, Economics Research Group Seminar Series

2014: University of Edinburgh, School of Economics; University of Copenhagen, Development Economics Research Group Seminar Series, Denmark; University of Reading; University of Concepción, Resource Economics Annual Workshop, Chile; World Bank, Research Department Seminar Series

2013: Environmental Defense Fund (EDF) Academic Seminar Series, New York, USA, Umeå University, Department of Economics Seminar Series, Sweden; Resources for the future (RFF), Academic seminars series, USA; The Ohio State University, Department of Economics, USA; University of California Davis, Development Economics Seminar Series; Ethiopian Development Research Institute (EDRI); University of Nairobi, Department of Economics staff seminar series, Kenya; University of Montana, Department of Economics seminar series, USA

2012: University of Dar es Salaam, Department of Economics seminar series, Tanzania; London School of Economics and Political Science, Department of Geography and Environmental Economics; University of Cape Town, School of Economics seminar series, South Africa

2011: Center For the Studies of African Economies (CSAE), University of Oxford annual conference on development in Africa; Ethiopian Economy Annual International Conference

2010: University of Oxford, Department of Economics, CSAE seminar series; United Nations University-World Institute for Development Economics Research (UNU-WIDER), Helsinki, Finland; Paris School of Economics, France

2008: Climate Change Conference, Nairobi, Kenya; International Conference on the Ethiopian Economy, Addis Ababa, Ethiopia

2007: International Conference on the Ethiopian Economy, Addis Ababa, Ethiopia

Conference and Research Meeting Organization

Selected Consultancies

Consultant for the project, “Estimating the Economic Impacts of Air Pollution, Biomass Energy Use and Climate Change in Nigeria”, the World Bank Group, Spring - Fall 2021

Consultant for the project, the “Impact of Land Tenure Reforms in Africa”, Research Department, the World Bank Group, Spring 2018

Sustainable Energy Transition, leading the energy research team and developing the five year research plan for Ethiopian Climate Research Center (ECRC), Global Green Growth Institute (GGGI), 2015-16.

Adaptation to Climate Change in Africa, a background papers for African Development Report 2012, African Development Bank, 2012.

Work Culture and Development in Ethiopia, International Labor Organization (ILO), 2006

Participatory poverty assessment, Ministry of Finance and Economic Development of Ethiopia (MoFED) and the World Bank, 2004

Competitive Grants, Awards and Scholarships

Renewable Energy for the Growth of Enterprises in Africa: A Pilot Randomized Controlled Trial (PEDL, USD 50,000).

“Environment for Development (EfD) Program Funding 2019-2024”, (Swedish International Development Agency for Cooperation, Sida), \$20 Million (With EfD Global Hub)

“Research Capacity Building Partnership in Economics Sub-Programme”, a Collaborative PhD Training Program in Economics between the University of Gothenburg & Addis Ababa University (Swedish International Development Agency for Cooperation, Sida), \$510,000 - Principal Investigator

“Partnership for University-wide Capacity Building on Ethical Research Methods and Grant Proposal Writing”, a Faculty Training Program with Addis Ababa University (Swedish International Development Agency for Cooperation, Sida), \$405,000 - Principal Investigator

“Partnership for Knowledge Creation”, a Collaborative PhD Training Program in Economics between the University of Gothenburg & Addis Ababa University (Swedish International Development Agency for Cooperation, Sida), \$1.2 million - Principal Investigator

“Partnerprogrammets internationaliseringsstöd 2017” grant for research stay abroad (School of Business, Economics and Law, University of Gothenburg), \$12,000, November 2017.

“Oceans and Marine Protected Areas”, a Collaborative Research Program (Swedish International Development Agency for Cooperation, Sida), \$3 million, with Gunnar Kohlin

“Liquidity Constraint, LPG Stoves and Charcoal Consumption: A Randomized Controlled Trial in Tanzania” (International Growth Center -IGC, London School of Economics) \$148,000, September 2014 and August 2016 - Principal Investigator.

Partnerprogrammets internationaliseringsstöd 2015 grant for research stay abroad (School of Business, Economics and Law, University of Gothenburg), \$14,000, December 2014.

Passive Learning and Incentivized Communication: A Randomized Controlled Trial in India (Formas Commons, University of Gothenburg), with Urpelainen, J, & Eugenie D. \$26,000, December 2014 - Principal Investigator.

“Do the Poor Overweigh Low Probability Events?” (Formas Commons, University of Gothenburg), with Eggert, H., Kocher, M., and Ruhinduka, R. \$28,000, September 2014.

“Mind, Behaviour and Health: A Randomized Experiment”. (Formas Commons, University of Gothenburg), with Michele Belot \$50,000, December 2013 - Principal Investigator.

Pedagogical Training and Courses

Teaching and Learning in Higher Education III - HPE 103, a PhD-level qualifying pedagogic course for doctoral supervisors, Fall 2018, University of Gothenburg.

Teaching and Learning in Higher Education II - HPE 102, a PhD-level qualifying pedagogic course for doctoral supervisors, Spring 2018, University of Gothenburg.

Supervision in Postgraduate Programs - HPE 201, a PhD-level qualifying pedagogic course for doctoral supervisors, Spring 2013, University of Gothenburg.

Teaching and Learning in Higher Education I, PhD-level qualifying pedagogic courses for higher education teachers, Spring 2010, University of Gothenburg.

Research to Policy: Training in Policy Advice, June 2007 -June 2010, SIDA help-desk, University of Gothenburg.

Basic Teaching Methodology, August 2002, St. Mary's college, Addis Ababa, Ethiopia.

Membership in Committees

Member of the Efd Research Committee (September 2011 - March. 2019)

Professional Activities

Editor-in-chief: Efd Discussion Paper Series

Member of the European Association of Environmental and Resource Economists (EAERE) organizing committee: 2019 - 2023.

Reviewer: *Nature: Energy, Journal of Development Economics, Journal of Environmental Economics and Management, American Journal of Agricultural Economics, Management Science, Experimental Economics, Journal of Economic Behavior and Organization, World Development, Energy Economics, Review of Economics of the Household, European Review of Agricultural Economics, Agricultural Economics, Food Policy, Economic Modelling, Journal of Development Studies, Empirical Economics, European Journal of Development Research, Environment and Development Economics, Journal of Behavioural and Experimental Economics, Natural Resources Forum, Social Indicators Research, Ambio, Regional Environmental Change, International Journal of Entrepreneurship and Innovation management, The Review of Black Political Economy, Ethiopian Journal of Economics, Tanzania Economic Review.*

Member: American Economic Association, European Economic Association, The Royal Economic Society, Economic Science Association, European Association of Environmental and Resource Economists (EAERE), Ethiopian Economic Association, and Association of Swedish Development Economists.