

Curriculum Vitae
EDILEGNAW WALE ZEGEYE
University of Kwazulu-Natal
School of Agricultural, Earth and Environmental Sciences
Discipline of Agricultural Economics
P Bag X01 Scottsville 3209 Pietermaritzburg **South Africa**
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PERSONAL INFORMATION

- Nationality: Ethiopian
- South African ID No. 7105106237183
- Date of Birth: 10 May, 1971
- Marital Status: Married, with two children

SKILLS AND METHODOLOGICAL EXPERTISE

- Natural Resources Economics
- Development Economics
- Cost Benefit Analysis
- Impact Assessment
- Household Survey Design and Implementation &
- Computer Software Packages (Stata, LIMDEP, E-Views, and SPSS)

UNIVERSITY EDUCATION

- Aug. 2000 – Dec. 2003, Rheinische-Friedrich-Wilhelms University of Bonn, Germany
Ph.D, Agricultural and Resource Economics (*magna cum laude*, with a prize for the best doctoral thesis of the years 2003/04)
 - **Thesis title:** The economics of on-farm conservation of crop diversity in Ethiopia: incentives, attribute preferences and opportunity costs of maintaining local varieties of crops.
 - Supervisor: Prof. Karin Holm-Mueller
- Thesis Examination committee:**
 - Prof. Karin Holm-Mueller, University of Bonn
 - Prof. Thomas Heckelei, University of Bonn
 - Prof. Manfred Zeller, University of Gottingen
- Sept. 1995 – Jan. 1997, Wageningen University, The Netherlands
M.Sc, Agri. Economics and Marketing, Development Economics Stream (*with Distinction*)
 - **Thesis title:** Household income inequality and poverty during structural adjustment: the case of Ghana
 - **Supervisor:** Dr. Nico Heerink, Wageningen University
- Thesis Examination committee:**
 - Dr. Nico Heerink, Wageningen University
 - Prof. Arie Kuyvenhoven, Wageningen University
- Sept. 1990 – Aug. 1993, Alemaya University, Ethiopia
B.Sc, Agri. Economics (*with Distinction*)

SPECIAL TRAINING

- Lecturer Development Conference, Johannesburg, 29 - 30 July 2015
- Market Access for Sustainable Development, Wageningen, November 5 - 23 2012
- Post-graduation Supervision Training, Pietermaritzburg, 27 - 28 October 2011
- Presentation Skills Training, Addis Ababa, 13 - 14 January 2006
- Law and Policy for Plant Genetic Resources, Nairobi, 7 - 11 November 2005
- Mathematical Modelling, Bonn, October 5 - November 10 2000
- Computer Course on Various Soft Wares, Alemaya, November 10 - 27 1998
- Teaching Methodology, Alemaya, June 23 - 27 1997

PROFESSIONAL WORK EXPERIENCE

- Jan. 2015 – present; **University of Kwazulu-Natal**
Associate Professor, Discipline: Agricultural Economics
- Feb. 2009 – Dec. 2014; **University of Kwazulu-Natal**
Senior Lecturer, Discipline: Agricultural Economics
- July 2008 – Jan. 2009; **Bioversity International**
Economics Consultant, Bioversity - SSA, Nairobi
- Jan. 2007 – June 2008; **University of Bonn**
Post-Doctoral Fellow (PDF), Seconded to Bioversity - SSA, Nairobi
- May 2005 – Dec. 2006; **University of Bonn**
PDF, Seconded to the Ethiopian Economic Policy Research Institute, Addis Ababa
- Jan. 2004 – April 2005; **Alemaya University**
Assistant Professor, Agri. Economics
- Feb. 1997 - July 2000; **Alemaya University**
Lecturer, Agri. Economics
- Nov. 1993 - Sept. 1995; **Alemaya University**
Grad. Assistant / Asst Lecturer, Agri. Economics

SELECTED COURSES TAUGHT

UNIVERSITY OF KWAZULU-NATAL (UKZN)

Under-graduate:

- Agricultural Policy Analysis
- Research Methodology in Agri. Economics
- Applied Farm Financial Management
- Agricultural Price Analysis
- Agricultural Economics
- Farm Management

ALEMAYA UNIVERSITY (AU)

Graduate:

- Agricultural Projects Planning and Analysis

Under-graduate:

- Agricultural Projects Planning and Analysis
- Natural Resources and Environmental Economics
- Development Economics
- Farm Management
- Agricultural Credit and Finance
- Microeconomics

UNIVERSITY OF HAWASSA

Graduate:

- The Economics of Horticultural Crops - in 2005 and 2006

SELECTED RESEARCH & DEVELOPMENT PROJECT EXPERIENCE:

- At UKZN, currently a project leader for the project entitled **“Water use productivity associated with appropriate entrepreneurial development paths in the transition from homestead food gardening to smallholder irrigation crop farming in KwaZulu-Natal and North West Provinces (Project code: WRC K5//2278)”** since Dec. 2013
- **Genetic Resources Policy Initiative.** A multi-country research and development project funded by IDRC, 4 million Euros; July 2005 to February 2009; **Role:** Post-doc researcher and then economist
- A project by IFPRI under the Ethiopian Strategy Support Program I entitled **“Commercialisation of Ethiopian Smallholder agriculture”**. The survey was a nationally representative rural household survey involving more than 7500 Rural Households in Ethiopia. January 2004 – June 2005; **Role:** Team leader, managing the survey in the Southern region of the country
- **BIODiversity and Economics for CONservation (BioEcon)** - project supported by the European Commission under the Fifth Framework Programme; University of Bonn; June 2001- November 2003. **Role:** Team member (Economic Researcher)
- **Participatory plant breeding for sustainable soybean production in Ethiopia** - funding organisation - ODA, amount 30,000 USD; 1997 – 1999; Alemaya University. **Role:** Team member (Agricultural economist)

POST-GRADUATE STUDIES SUPERVISION AND EXTERNAL EXAMINATION

- Co-supervised one post-doc (March 2014 – May 2015). Supervised and co-supervised seven candidates who have successfully graduated with PhD in Agricultural Economics and Agribusiness), one from Addis Ababa University (AAU) and six at UKZN. Supervised and co-supervised 16 MSc candidates who have successfully graduated with MSc degrees (seven *cum laude*) in Agricultural Economics ((Alemaya University (six), AAU (one) and UKZN (eight)). Two PhD, three MSc and two Honors graduates won a prize. Currently supervising seven PhD and four MSc candidates at the UKZN.
- To date, served as external examiner of four PhD theses and 24 MSc dissertations for the University of Pretoria, University of Fort Hare, University of South Africa, Hawassa University, Alemaya University, University of the Free State, University of KwaZulu-Natal and North-West University.

INTERNATIONAL CONSULTANCY

- Economics specialist on genetic resources, IPGRI-SSA, Nairobi, 2005
- IFPRI- Addis Ababa, Consultant, 2005
- ILRI – Addis Ababa, Consultant, 2006

PUBLICATIONS

JOURNAL ARTICLES PUBLISHED:

2017

1. Sinyolo, S., M. Mudhara & **E. Wale**. 2017. The impact of social grants-dependency on farm entrepreneurship among rural households in KwaZulu-Natal, South Africa. **Journal of Developing Areas** 51(3): 63-76.
2. **E. Wale** & K. Holm-Mueller. 2017. Explaining the Ethiopian farmers' perceptions on potential loss of traditional crop varieties: A principal components regression analysis. **Journal of Developing Areas** 51(4): 377-395.

2016

3. Sinyolo, S., M. Mudhara & **E. Wale**. 2016. The impact of social grants on the propensity and intensity of use of chemical fertiliser among smallholder farmers in KwaZulu-Natal, South Africa. **Agrekon** 55(4): 436-457.
4. Mmbando, F.E., **E. Wale**, L.J.S. Baiyegunhi & M.A.G. Darroch. 2016. The choice of marketing channel by maize and pigeonpea smallholder farmers: Evidence from Northern and Eastern zones of Tanzania. **Agrekon** 55(3): 254-277
5. Hitayezu, P., **E. Wale** & G.F. Ortmann. 2016. Assessing agricultural land-use change in the Midlands region of KwaZulu-Natal, South Africa: application of mixed multinomial logit. **Environment, Development and Sustainability** 18(4): 985-1003
6. Sinyolo, S., M. Mudhara & **E. Wale**. 2016. To what extent does social grants-dependency affect smallholder farmer's incentives to farm? Evidence from KwaZulu-Natal, South Africa. **African Journal of Agricultural and Resource Economics** 11(2): 154-165
7. Mabuza, M.L., G.F. Ortmann, **E. Wale** & M.J. Mutenje. 2016. The effect of major income sources on rural household food (in)security: evidence from Swaziland and implications for policy. **Ecology of Food and Nutrition** 55(2): 209-230
8. Hitayezu, P., **E. Wale** & G.F. Ortmann. 2016. Farm-level crop crop diversification in the Midlands region of KwaZulu-Natal, South Africa: patterns, microeconomic drivers, and policy implications. **Agroecology and Sustainable Food Systems** 40(6): 553-582
9. Akankwasa, K, G.F. Ortmann, **E. Wale** & W.K. Tushemereirwe. 2016. Early-stage adoption of improved banana "matooke" hybrids in Uganda: a count data analysis based on farmers' perceptions. **International Journal of Innovation and Technology Management** 13(1): 1650001-1 to 1650001-26
10. Muchara, B., G.F. Ortmann, M. Mudhara & **E. Wale**. 2016. Irrigation water value for potato farmers in the Mooi River Irrigation Scheme of KwaZulu-Natal, South Africa: A residual value approach. **Agricultural Water Management** 164: 243-252
11. Mabuza, M.L., G.F. Ortmann & **E. Wale**. 2016. Frequency and extent of employing food insecurity coping strategies among rural households: Determinants and implications for policy using evidence from Swaziland. **Food Security** 8: 255-269
12. Cockburn, J., M. Rouget, R. Slotow, D. Roberts, R. Boon, E. Douwes, S. O'Donoghue, C.T. Downs, S. Mukherjee, W. Musakwa, O. Mutanga, T. Mwabvu, J. Odindi, A. Odindo, S. Proche, S. Ramdhani, J. Ray-Mukherjee, M. Sershen, C. Schoeman, A.J. Smit, **E. Wale** & S. Willows-Munro. 2016. How to build science-action partnerships for local land-use planning and management: lessons

from Durban, South Africa. **Ecology and Society** 21(1): 28-69

2015

13. Mmbando, F.E., **E. Wale** & L.J.S. Baiyegunhi. 2015. Welfare impacts of smallholder farmers' participation in maize and pigeon pea markets in Tanzania. **Food Security** 7: 1211-1224
14. **Wale, E.** & J.N. Chianu. 2015. Farmers' demand for extra yield from improved Tef (*Eragrostis tef* (Zucc.) Trotter) varieties in Ethiopia: implications for crop improvement and agricultural extension. **Journal of Agricultural Science and Technology** 17(6): 1449-1462
15. Mabuza, M.L., G.F. Ortmann & **E. Wale**. 2015. Collective action in small-scale mushroom production in Swaziland: does organisational form matter? **Development in Practice** 25(7): 1025-1042
16. Mmbando, F.E., **E. Wale** & L.J.S. Baiyegunhi. 2015. Determinants of smallholder farmers' participation in maize and pigeon pea markets in Tanzania. **Agrekon: Agricultural Economics Research, Policy and Practice in Southern Africa** 54(1): 96-119
17. Sharaunga, S., M. Mudhara & **E. Wale**. 2015. Factors influencing forest values orientations among rural households in KwaZulu-Natal, South Africa. **Agroforestry Systems** 89(6): 943-962

2014

18. Hitayezu, P., **E. Wale** & G.F. Ortmann. 2014. Some Aspects of Agricultural Vulnerability to Climate Change in the KwaZulu-Natal Midlands, South Africa: A Systematic Review. **Journal of Human Ecology** 48(3): 347-356
19. Sinyolo, S., M. Mudhara & **E. Wale**. 2014. Water security and rural household food security: Empirical evidence from the Mzinyathi District in South Africa. **Food Security** 6: 483-499
20. Muchara, B., B. Letty, A. Obi, P. Masika, G. Ortmann, **E. Wale** & M. Mudhara. 2014. The Role of Capital Assets and Institutions in the Success and Failure of Smallholder Irrigation Schemes in South Africa. **Journal of Human Ecology** 48(2): 235-247
21. Muchara, B., G.F. Ortmann, **E. Wale** & M. Mudhara. 2014. Collective action and participation in irrigation water management: A case study of Mooi River Irrigation Scheme in KwaZulu-Natal Province, South Africa. **Water SA** 40(4): 699-708
22. Sinyolo, G.M., **E. Wale** & G.F. Ortmann. 2014. Consumers' willingness-to-pay for underutilized vegetable crops: the case of African Leafy vegetables in South Africa. **Journal of Human Ecology** 47(3): 219-227
23. Mabuza M.L., Ortmann G.F. & **E. Wale**. 2014. Effects of transaction costs on mushroom producers' choice of marketing channels: implications for agricultural market access in Swaziland. **South African Journal of Economic and Management Sciences** 17(2): 207-219
24. Sinyolo, S., M. Mudhara & **Wale, E.** 2014. The impact of smallholder irrigation on household welfare: The case of Tugela Ferry irrigation scheme in KwaZulu-Natal, South Africa. **Water SA** 40(1): 145-155

2013

25. Sharaunga, S., M. Mudhara & **E. Wale**. 2013. Values rural households in KwaZulu-Natal hold towards forests and their participation in Community-based Forest Management. **Agrekon: Agricultural Economics Research, Policy and Practice in Southern Africa** 52(4): 113-147
26. Mabuza M.L., Ortmann G.F. & **E. Wale**. 2013. Socio-economic and institutional factors constraining participation of Swaziland's mushroom producers in mainstream markets: an

application of the value chain approach. **Agrekon: Agricultural Economics Research, Policy and Practice in Southern Africa** 52(4): 89-112

27. Sharaunga, S. & E. **Wale**. 2013. The dis-incentive effects of food aid and agricultural policies on land allocation in developing countries: The case of Malawi. **Development Southern Africa** 30 (4-5): 491-507
28. Akankwasa, K., Ortmann G.F., **E. Wale** & W.K. Tushemereirwe. 2013. Farmers' choice among recently developed hybrid banana varieties in Uganda: a multi-nomial logit analysis. **Agrekon: Agricultural Economics Research, Policy and Practice in Southern Africa** 52(2): 25-51
29. Akankwasa, K., G.F. Ortmann, **E. Wale** & W.K. Tushemereirwe. 2013. Determinants of consumers' willingness to purchase East African Highland cooking banana hybrids in Uganda. **African Journal of Agricultural Research** 8(9): 780-791
30. Mabuza, M.L., M.M. Sithole, **E. Wale**, G.F. Ortmann & M.A.G. Darroch. 2013. The use of improved land cultivation technologies in Swaziland: Implications for enhancing food production on Swazi Nation. **Land Use Policy** 33: 71-80

2012

31. Mabuza, M.L., G.F. Ortmann & **E. Wale**. 2012. Determinants of farmers' participation in oyster mushroom production in Swaziland: implications for promoting a nonconventional agricultural enterprise. **Agrekon: Agricultural Economics Research, Policy and Practice in Southern Africa** 51 (4): 19-40
32. **Wale, E.** 2012. Addressing the information problem in agriculture via agrobiodiversity: streamlining the issues, challenges and policy questions. **African Journal of Agricultural Research** 7(30): 4187-4197
33. **Wale, E.** 2012. Explaining farmers' decisions to abandon traditional varieties of crops: empirical results from Ethiopia and implications for on-farm conservation. **Journal of Sustainable Agriculture** 36(5): 545-563
34. **Wale, E.** 2012. On the scale-neutrality of transgenic seeds: micro-level access, impacts and implications for further research. **African Journal of Biotechnology** 11(36): 8774-8783
35. Kaguongo, W., G.F. Ortmann, **E. Wale**, M.A.G. Darroch & J. Lowa. 2012. Factors influencing adoption and intensity of adoption of orange flesh sweetpotato varieties: evidence from an extension intervention in Nyanza and Western provinces, Kenya. **African Journal of Agricultural Research** 7(3): 493-503

36. **Wale, E.** 2011. Costing on-farm conservation of crop diversity: the case of sorghum and wheat in Ethiopia and implications for policy. **African Journal of Agricultural Research** 6(2): 401-406
37. Asrat, S., M. Yesuf, F. Carlsson & **E. Wale**. 2010. Farmers' preferences for crop variety traits: lessons for on-farm conservation and technology adoption. **Ecological Economics** 69: 2394-2404
38. **Wale, E.** & A. Yallew. 2010. On biodiversity impact assessment: the rationale, conceptual challenges and implications for future EIA. **Impact Assessment and Project Appraisal** 28 (1): 3-13
39. **Wale, E.** 2010. How do farmers allocate land for coffee trees? Implications for on-farm conservation and seed technology adoption. **Journal of Sustainable Agriculture** 34 (3): 270-291
40. **Wale, E.**, N. Chishakwe & R. Lewis-Lettington. 2009. Cultivating participatory policy

processes for genetic resources policy: lessons from the Genetic Resources Policy Initiative (GRPI) project. **Biodiversity and Conservation** 18 (1): 1-18

41. **Wale, E.** 2008a. Challenges in genetic resources policy making: some lessons from participatory policy research with a special reference to Ethiopia. **Biodiversity and Conservation** 17(1): 21-33
42. **Wale, E.** 2008b. A study on financial opportunity costs of growing local varieties of sorghum in Ethiopia: implications for on-farm conservation policy. **Ecological Economics** 64 (3): 603-610
43. **Wale, E.** & A. Yallew. 2007. Farmers' variety attribute preferences: implications for breeding priority setting and agricultural extension policy in Ethiopia. **African Development Review** 19 (2): 379-396
44. **Wale, E.** & D. Virchow. 2007. Production of sorghum varietal diversity on farmers' fields in Eastern Ethiopia: Economic explanations and implications for on-farm conservation. **Ethiopian Journal of Agricultural Economics** 6(2): 41-69
45. **Wale, E.** 2006. What do farmers financially lose if they fail to use improved seeds? Some econometric results for wheat and implications for agricultural extension policy in Ethiopia. **Ethiopian Journal of Economics** 12 (2): 59-79
46. Mburu, J. & **E. Wale.** 2006. Local organizations involved in the conservation of crop genetic resources: conditions for their emergence and success in Ethiopia and Kenya. **Genetic Resources and Crop Evolution** 53 (3): 613-629
47. **Wale, E.,** K. Holm-Müller, J. Mburu & M. Zeller. 2005. Economic analysis of farmers' preferences for coffee variety attributes: lessons for on-farm conservation and technology adoption in Ethiopia. **Quarterly Journal of International Agriculture** 44(2): 121-139

JOURNAL ARTICLES IN PRESS:

48. Sinyolo, S., M. Mudhara & **E. Wale.** 2017. The impact of social grant-dependency on smallholder maize producers' market participation in South Africa: Application of the double-hurdle model. **South African Journal of Economic and Management Sciences** (doi: <http://dx.doi.org/10.4102/sajems.v20i1.1474>)
49. Hitayezu, P., **E. Wale** & G.F. Ortmann. 2017. Assessing farmers' perceptions about climate change: a double-hurdle approach. **Climate Risk Management** (doi: <http://dx.doi.org/10.1016/j.crm.2017.07.001>)

JOURNAL ARTICLES ACCEPTED FOR PUBLICATION:

50. Sinyolo, S., M. Mudhara & **E. Wale.** Assessing the impact of social grant-dependency on participation of KwaZulu-Natal rural households in farming: Application of the generalised propensity score method. **Journal of Agriculture and Rural Development in the Tropics and Subtropics (JARTS)**
51. Sinyolo, S., M. Mudhara & **E. Wale.** The impact of social grants on smallholder commercialisation in South Africa: evidence from four districts in KwaZulu-Natal.

Agribusiness: An International Journal

52. Mmbando, F., **E. Wale** & L. Baiyegunhi. Welfare impacts of market channel choice by smallholder farmers in Tanzania. **Development in Practice**

JOURNAL ARTICLES UNDER REVISION TO BE RE-SUBMITTED:

53. Senyolo, G., **E. Wale** & G.F. Ortmann. The determinants of farmers' decision to produce African leafy vegetables in the Limpopo Province, South Africa. **African Journal of Science, Technology, Innovation and Development**
54. Karabo, D. & **E. Wale**. Measuring the Operational Competitiveness of Ecotourism Operations in Ezemvelo KZN Wildlife: Implications for Ecotourism in the KwaZulu-Natal Province. **Koedo - African Protected Area Conservation and Science**
55. Muchara, B, G.F. Ortmann, **E. Wale** & M. Mudhara. Implications of institutional arrangements on agricultural water-use security: Evidence from the Mooi River Irrigation Scheme in KwaZulu-Natal Province, South Africa. **Water SA**
56. Chapeyama, B., **E. Wale** & A. Odindo. The cost-effectiveness of recycling Latrine Dehydrated and Pasteurization ("LaDePa") agricultural pellets and struvite as fertilizers: an experimental evidence for maize, wheat and sugarcane in KwaZulu-Natal, South Africa. **African Journal of Science, Technology, Innovation and Development**

BOOK CHAPTERS:

57. **Wale, E.** 2011. 'Introduction: setting the scene for GRPI economics.' In: Wale, E., A. Drucker & K.K. Zander, Eds. **The economics of managing crop diversity on-farm: case studies from the Genetic Resources Policy Initiative (GRPI) project.** Earthscan Publishing Ltd: London, pp. 3-21
58. **Wale, E.** 2011. 'Farmers' perceptions on replacement and loss of traditional crop varieties: examples from Ethiopia and implications.' In: Wale, E., A. Drucker & K.K. Zander, Eds. **The economics of managing crop diversity on-farm: case studies from the Genetic Resources Policy Initiative (GRPI) project.** Earthscan Publishing Ltd: London, pp. 65-89
59. Pant, K. P., J.C. Gautam & **E. Wale.** 2011. 'Valuation of rice diversity in Nepal: a trait-based approach.' In: Wale, E., A. Drucker & K.K. Zander, Eds. **The economics of managing crop diversity on-farm: case studies from the Genetic Resources Policy Initiative (GRPI) project.** Earthscan Publishing Ltd: London, pp. 45-64
60. Kuntashula, E., **E. Wale,** J.C.N. Lungu & M.T. Daura. 2011. 'Consumers' attribute preferences and traders' challenges affecting the use of local maize and groundnut varieties in Lusaka: implications for crop diversity utilisation.' In: Wale, E., A. Drucker & K.K. Zander, Eds. **The economics of managing crop diversity on-farm: case studies from the Genetic Resources Policy Initiative (GRPI) project.** Earthscan Publishing Ltd: London, pp. 93-110
61. **Wale, E.,** K. K. Zander & A. G. Drucker. 2011. 'Findings, conclusions, implications and outlook.' In: Wale, E., A. Drucker & K.K. Zander, Eds. **The economics of managing crop diversity on-farm: case studies from the Genetic Resources Policy Initiative**

(GRPI) project. Earthscan Publishing Ltd: London, pp. 125-136

62. Chianu, J.N., **E. Wale** & E.M. Nkonya. 2010. 'Global soybean marketing and trade: a situation and outlook analysis'. In: Singh, G., Ed. **The soybean: botany, production and uses**. **CABI Publishing, Wallingford: U.K.**, pp.461-484
63. **Wale, E.** & J. Mburu. 2006. 'An attribute-based index of coffee diversity and implications for on farm conservation in Ethiopia'. In: Smale, M., Ed. **Valuing crop biodiversity: on-farm conservation, genetic resources, and economic change**. **CABI Publishing, Wallingford: U.K.**, pp. 48 – 62

PEER-REVIEWED CONFERENCE PROCEEDINGS PAPERS:

1. Mabuza M.L., G.F. Ortmann & **E. Wale**. 2013. 'Factors constraining participation of Swaziland's mushroom producers in mainstream markets.' In: Majewski, E., Czekaj S., Malak-Rawlikowska A., Ros M. & Malazewska S., Eds. **Proceedings of the 19th International Farm Management (IFMA) Congress**, Volume I, pp. 248-254.
2. **Wale, E.** & J. Mburu. 2006. 'Farmers' preferences for coffee variety attributes: implications for extension policy on utilization of improved varieties in Ethiopia.' In: Getnet, A., Atsede A., Wale, E., & Yihenew, Z., Eds. **Proceedings of the 3rd International Conference on the Ethiopian Economy**, Volume II, pp. 69-90
3. **Wale, E.** & D. Virchow. 2004. 'Economic analysis of farmers' incentives to diversify on native sorghum varieties in Ethiopia: lessons for on-farm conservation.' In: Seyoum, A., A. Admassie, B. Degefe, B. Nega, M. Demeke, T. Biru & W. Ameha, Eds. **Proceedings of the 1st International Conference on the Ethiopian Economy**, Volume II, pp. 131-154
4. **Wale, E.** 2002. 'The opportunity cost of growing traditional wheat varieties: implications for the design of targeting principles for adoption of improved varieties in Ethiopia.' In: Mulat, D., Alemu M., Assefa A. & D. Aredo, Eds. **Proceedings of the National Workshop on Technological Progress in Ethiopian Agriculture**, pp. 63-86
5. **Wale, E.** 2000. 'The challenges in the search for efficient and sustainable rural credit institutions and their policy implications in Ethiopia'. In: W. Negatu, L. Dadi, A. Haile Gabriel & S. Bellete, Eds. **Institutions for rural development, Proceedings of the 4th Annual Conference of the Agricultural Economics Society of Ethiopia**, pp. 93-124

BOOK, PHD THESIS:

- Wale, E.** 2004. *The economics of on-farm conservation of crop diversity in Ethiopia: incentives, attribute preferences and opportunity costs of maintaining local varieties of crops*. Peter Lang: Frankfurt am Main

EDITED BOOK:

- Wale, E.,** A. Drucker & K. Zander, Eds. 2011. *The economics of managing crop diversity on-farm: case studies from the Genetic Resources Policy Initiative (GRPI) project*. Earthscan Publishing Ltd: London

WORKING PAPER:

- Asrat, S., M. Yesuf, F. Carlsson & **E. Wale**. 2009. *Farmers' preferences for crop variety traits: lessons for on-farm conservation and technology adoption*. University of Gottenburg, School of Business, Economics and Law, Department of Economics, Working Papers in Economics No.357

EDITED CONFERENCE PROCEEDINGS:

1. Tadesse, B., E. Bezabih, **E. Wale** & D. Abebaw. 2008. Eds. Rural Development and Environment in Ethiopia: Prospects and Challenges. **Proceedings of the 10th Annual Conference of the Agricultural Economics Society of Ethiopia (AESE)**, Addis Ababa, Ethiopia
2. Alemu, G. & **E. Wale**. 2007. Eds. Industry, Trade, Finance and Development. **Proceedings of the 5th International Conference on the Ethiopian Economy**, Volume I, Ethiopian Economic Association (EEA), Addis Ababa, Ethiopia
3. Alemu, G. & **E. Wale**. 2007. Eds. Social Sector: Poverty, Health and Education. **Proceedings of the 5th International Conference on the Ethiopian Economy**, Volume II, Ethiopian Economic Association (EEA), Addis Ababa, Ethiopia
4. **Wale, E.**, S. Regassa., G.M. Demissie & E. Bezabih. 2006. Eds. Reversing Rural Poverty in Ethiopia: Dilemmas and Critical Issues. **Proceedings of the 9th Annual Conference of the AESE**, Addis Ababa, Ethiopia
5. **Wale, E.**, G.M. Demissie, E. Bezabih & W.H. Tassew. 2006. Eds. Commercialization of Ethiopian Agriculture. **Proceedings of the 8th Annual Conference of the Agricultural Economics Society of Ethiopia (AESE)**, Addis Ababa, Ethiopia
6. Getnet, A., A. Atsede, **E. Wale** & Z. Yihenew. 2006. Eds. Growth and Development. **Proceedings of the 3rd International Conference on the Ethiopian Economy**, Volume I, Ethiopian Economic Association (EEA), Addis Ababa, Ethiopia
7. Getnet, A., A. Atsede, **E. Wale** & Z. Yihenew. 2006. Eds. Sectoral Issues: Agriculture, Industry and Social Sectors. **Proceedings of the 3rd International Conference on the Ethiopian Economy**, Volume II, Ethiopian Economic Association (EEA), Addis Ababa, Ethiopia

SELECTED CONFERENCE PAPERS:

Contributed papers presented at the 54th Annual Conference of the Agricultural Economists Association of South Africa (AEASA), 14-16 September 2016, Muldersdrift, Johannesburg, South Africa:

1. Phakathi, S. & **E. Wale**. Explaining irrigation water use productivity using psychological capital: case studies from small producers in Ndumo B and Makhathini irrigation schemes, KwaZulu-Natal, South Africa.
2. Chipfupa, U. & **E. Wale**. Accounting for heterogeneity in small-scale irrigation farming: Implications for entrepreneurial development, KwaZuluNatal, South Africa.
3. Chapeyama, B., **E. Wale** & A. Odindo. Analysing the cost-effectiveness of using Latrine Dehydrated and Pasteurization (“LaDePa”) agricultural pellets and struvite as new fertilizers: Experimental evidence for maize, wheat and sugarcane in KwaZulu-Natal, South Africa.
4. Nkoana, A., **E. Wale** & G.F. Ortmann. Rural household livelihood dependence on forest products in Inanada community of KwaZulu-Natal, South Africa. Contributed paper presented at the 53rd Annual Conference of the Agricultural Economists Association of South Africa (AEASA), Khaya Ibhusesi, 29 Sept – 2 October 2015
5. Hitayezu, P., **E. Wale** & G.F. Ortmann. Analysis of factors shaping small-scale farmers’ perceptions about climate change in South Africa: A behavioral approach. Contributed paper presented at the international conference “Our Common Future under Climate Change”, Paris, France, 7-10 July 2015.
6. Hitayezu, P., **E. Wale** & GF Ortmann. A Mixed-Multinomial Logit Model of Agricultural Land Use Change: Evidence from KwaZulu-Natal, South Africa. Contributed paper presented at the 29th Triennial Conference of the International Conference of Agricultural Economists (ICAE), Milan, Italy, 9-14 August 2015.

Contributed papers presented at the 9th Africa Farm Management Conference, 16-20 November, 2014, Cape Town, South Africa:

7. Hitayezu, P., **E. Wale** & GF Ortmann. Proximate drivers of agricultural land use change in the KwaZulu-Natal midlands region, South Africa: a mixed multinomial model.
8. Mmbando, F.E., **E. Wale** & L.J.S. Baiyegunhi. Impact Of Market Channel Choice On Household

Contributed papers presented at the 52nd Annual Conference of the Agricultural Economists Association of South Africa (AEASA), 28 September to 1 October, 2014, Mpekwani, Eastern Cape, South Africa:

9. Hitayezu, P., **E. Wale** & G.F. Ortmann. Coping with climate variability and change in KwaZulu-Natal midlands: perceptual process and annual crop diversification.
10. Mmbando, F.E., **E. Wale** & L.J.S. Baiyegunhi. Welfare impacts of smallholder farmers' participation in maize and pigeonpea markets in Tanzania.
11. Nkoana, A., **E. Wale** & G.F. Ortmann. Rural livelihood adaptation to climate change impacts on forests: the case of forest-dependent communities in KwaZulu-Natal, South Africa.
12. Muchara, B., G.F. Ortmann, **E. Wale** & M. Mudhara. Valuation and management of smallholder irrigation water in Mooi river irrigation scheme of KwaZulu-Natal Province: a residual value approach.
13. Hitayezu, P., **E. Wale** & G.F. Ortmann. Integrating land use functions and producer heterogeneity: a mixed multinomial model of agricultural land use change in KwaZulu-Natal midlands.
14. Hitayezu, P., **E. Wale** & G.F. Ortmann. Linking agricultural land-use change and climate change adaptation: a micro-economic review. **Contributed paper presented at the "2nd International Conference on Earth Science & Climate Change", 22-24 July 2013, Embassy Suites Las Vegas, New York, USA**

Contributed papers presented at the 51th Annual Conference of the Agricultural Economists Association of South Africa (AEASA), 30 September to 3 October, 2013, Belabela, Limpopo, South Africa:

15. Sinyolo, S., Mudhara M. & **E. Wale**. The impact of smallholder irrigation on household welfare: The case of Tugela Ferry irrigation scheme in KwaZulu-Natal, South Africa.
16. Hitayezu, P., **E. Wale** & G.F. Ortmann. Agricultural land-use change as a climate change adaptation strategy: A synthesis of microeconomic approaches.
17. Mmbando, F.E., **E. Wale**, L.J.S. Baiyegunhi & M.A.G. Darroch. The choice of marketing channel by maize and pigeonpea smallholder farmers: Evidence from Northern and Eastern zones of Tanzania.
18. Flanagan, J.O., S.R.D. Ferrer & **E. Wale**. Hedonic pricing of 'lifestyle' properties and potential biodiversity surrogate areas of rural, small-scale properties in the Midlands area, KwaZulu-Natal.
19. Muchara, B., G.F. Ortmann, **E. Wale** & M. Mudhara. Collective action and participation intensity determinants in irrigation water management in KwaZulu-Natal.
20. Senyolo, G.M., **E. Wale** & G.F. Ortmann. Households' willingness to pay for under-utilised leafy vegetables (ULVs) in the Limpopo province: an ordered probit analysis.
21. Senyolo, G.M., **E. Wale** & G.F. Ortmann. Households' willingness to pay for underutilized crops in the Limpopo Province of South Africa. Paper presented at the 70th Professional Agricultural Workers Conference (PAWC), 02-04 December 2012, Tuskegee University, Alabama, USA

Contributed papers presented at the 50th Annual Conference of the Agricultural Economists Association of South Africa (AEASA), 30 September to 3 October, 2012, Bloemfontein, South Africa:

22. Sharaunga, S., M. Mudhara & **E. Wale**. 2012. The values rural households attach to forest products and services: the cases of three communities of KwaZulu-Natal, South Africa.
23. Akankwasa, K., G.F. Ortmann & **E. Wale**. 2012. The effect of banana cooking qualities and other consumption characteristics on consumers' intentions to purchase East African highland banana hybrids in Uganda.
24. Muchara, B., B. Letty, **E. Wale** & G.F. Ortmann. 2012. Smallholder maize value chain in the Eastern Cape: constraints and opportunities for chain development.
25. Mabe, R., **E. Wale** & S.R.D. Ferrer. 2012. Mentee and mentor competencies for forming and sustaining mentorship: perspectives from South African sugar industry.

Contributed papers presented at the 28th Triennial Conference of the International Association of Agricultural Economists (IAAE), August 18 to 24, 2012, Brazil:

26. Akankwassa, K., G.F. Ortmann & **E. Wale**. 2012. Ex-Ante Adoption of New Cooking Banana (Matooke) Hybrids in Uganda Based on Farmers' Perceptions.

27. Mabuza M.L., G.F. Ortmann & **E. Wale**. 2012. Collective Action in Commercial Mushroom Production: The Role of Social Capital in the Management of Informal Groups in Swaziland.

28. Mabe, R., S.R.D. Ferrer & **E. Wale**. 2011. Entry paths into the South African sugar industry: implications for emerging farmer capacity development and the need for extension services.

Contributed paper presented at the "Capacity Development parallel sessions at the Extension Conference", 15-18 November, 2011, Nairobi, Kenya

Contributed papers presented at the 49th Annual Conference of the AEASA, 28-30 September, 2011, Pretoria, South Africa:

29. **Wale, E.** 2011. On the scale-neutrality of transgenic seeds: micro-level access, impacts and implications for further research.

30. Mabuza M.L., G.F. Ortmann & **E. Wale**. 2011. The use of improved land cultivation technologies in Swaziland: implications for enhancing food production by rural households.

31. **Wale, E.** 2009. How do farmers allocate land for coffee trees in Ethiopia? Policy trade-offs and implications for competitiveness policy in African agriculture. **Contributed paper presented at the 47th Annual Conference of the AEASA, 21-23 September, 2009, Durban, South Africa**

32. Yesuf, M., S. Asrat, F. Carlsson & **E. Wale**. 2009. Farmers' preferences for crop variety traits: lessons for on-farm conservation and technology adoption. **Contributed paper presented at the 17th Annual Conference of the European Association of Environmental and Resource Economists, 24-27 June 2009 in Amsterdam, The Netherlands.** www.eaere2009.org

33. **Wale, E.**, J. Estrella & J. Mburu. 2006. Computing opportunity costs of growing local varieties for on-farm conservation: the case of sorghum in Ethiopia. **Contributed paper presented at the 26th Triennial conference of the IAAE held in Gold Coast, August 12-18, 2006, Australia.** http://www.agecon.lib.umn.edu/cgi-bin/pdf_view.pl?paperid=22368&ftype=.pdf

34. **Wale, E.** & D. Virchow. 2003. Crop diversity as the derived outcome of farmers' survival first motives in Ethiopia: what role for on-farm conservation of sorghum genetic resources? **Contributed paper presented at the 25th Triennial conference of the IAAE held in Durban, August 17-22, 2003, South Africa.** http://agecon.lib.umn.edu/cgi-bin/pdf_view.pl?paperid=10816&ftype=.pdf

35. **Wale, E.**, J. Mburu & D. Virchow. 2003. Incentives, opportunity costs and contract design for on-farm conservation in Ethiopia. **Contributed paper presented at the Third BioEcon Workshop on 'The Economics of Incentive Mechanisms for Biodiversity Conservation: Contract Mechanisms' held in Montpellier, May 22-25, 2003, France.** www.bioecon.ucl.ac.uk

36. **Wale, E.** & J. Mburu. 2003. Economic analysis of farmers' preferences for coffee variety traits: lessons for on-farm conservation and technology adoption in Ethiopia. **Contributed paper presented at the Tropentag Conference, Georg-August-University Göttingen, October 8-10, 2003, Germany.** www.tropentag.de/2003/abstracts/full/136.pdf

POSTERS:

1. Senyolo, G.M., **E. Wale** & G.F. Ortmann. 2013. Households' purchasing decision for under-utilized leafy vegetables in the Limpopo Province of South Africa: a double-hurdle model

approach. Poster presented at the 3rd International Conference on Neglected and Underutilized Species (NUS) for a food-secure Africa, 25 to 27 September 2013, Accra, Ghana.

2. Senyolo, G.M., **E. Wale** & G.F. Ortmann. 2012. Examining the household purchasing decision of underutilized leafy vegetables (ULVs) in Limpopo Province, South Africa. Poster presented at the 50th Annual Conference of the AEASA, 30 September to 3 October, 2012, Bloemfontein, **South Africa**
3. Senyolo, G.M., **E. Wale** & G.F. Ortmann. 2012. Consumers' motives for purchasing exotic and underutilized leafy vegetables in the Limpopo Province of South Africa. Poster presented at the Nutrition Congress Africa, 01-04 October 2012, Bloemfontein, **South Africa**
4. Kaguongo, W., G.F. Ortmann, **E. Wale**, M.A.G. Darroch & J. Lwa. 2010. Factors influencing adoption and intensity of adoption of orange flesh sweetpotato varieties: evidence from an extension intervention in Nyanza and Western provinces, Kenya. Poster presented at the joint 3rd AAAE and 48th AEASA conference "Food and financial crisis: the way forward", 19-23 September 2010, Cape Town, **South Africa**
5. **Wale, E.** 2009. Farmers' perceptions on replacement and loss of traditional crop varieties: examples from Ethiopia and implications. Poster presented at Second DIVERSITAS Open Science Conference DIVERSITAS OSC2, Biodiversity and society: understanding connections, adapting to change, 13-16 October 2009, Cape Town, **South Africa**

MEDIA BRIEFS / NEWSLETTERS:

1. **Wale, E.** Smallholder rural development challenges for collective action: unlocking on-farm entrepreneurship and enhancing productive use of irrigation schemes in South Africa. *Agri^{Kultuur}_{Cultures}* July 2017
2. **Wale, E.** and project team. Smallholder irrigation: recipe for success – exploring the tools farmers need to succeed. *The water wheel*. January/February 2017 volume 16(1): 16 - 18.
3. **Wale, E.** Valuation of biodiversity: why and what role for policy? *Genetic Resources Policy Initiative Newsletter*, June, 2007
4. **Wale, E.** An Interview with *The Ethiopian Reporter*, on the opportunities for on-farm conservation of crop diversity in Ethiopia, June 24, 2006
5. **Wale, E.** Killing two birds with one stone: improving farmers' lives and promoting on-farm conservation of crop diversity through market chain analysis. *Genetic Resources Policy Initiative Newsletter*, December, 2006
6. **Wale, E.** An interview and coverage by the Deutsche Welle Radio, Amharic program, honoring the prize winning Ph.D thesis, March 21 and 22, 2006

MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS:

- International Association of Agricultural Economists, since Jul. 2003;
- European Association of Agricultural Economists (EAAE), 2008-2011;
- Africa Farm Management Association (AFMA), Since Oct. 2014;
- African Forest Forum, Since Jun. 2008;
- Agricultural Economics Association of South Africa, since Feb. 2009;
- Ethiopian Economic Association, since Sept. 2000;
- Ethiopian Association of Agricultural Professionals, since Aug. 2004;
- Agricultural Economics Society of Ethiopia, since Feb. 1997

EDITORIAL ROLE IN PROFESSIONAL JOURNALS:

Editor, International Journal of Biodiversity and Conservation, since Feb. 2009

Editorial Board Member, Journal of Agricultural Science, Oct. 2008 – Oct. 2011

Editor-in-Chief, Ethiopian Journal of Agricultural Economics, Mar. 2006 – Jul. 2007

JOURNAL REVIEWER:

- Ecological Economics, since Mar. 2009
- Environment & Development Economics, since Feb. 2011
- Food Security, since Nov. 2011
- Natural Resources Forum: a UN Sustainable Development Journal, since March 2012
- Journal of Arid Environments, since July 2012
- African Journal of Science, Technology, Innovation and Development, since November 2015
- Water SA, since October 2015
- Conservation Biology, since March 2014
- Journal of Agricultural Science and Technology, since May 2014
- Agrekon, since Sept. 2009

OTHER ACADEMIC/RESEARCH COMMUNITY SERVICES:

- Served as an external reviewer of a research proposal “Understanding and improving scaling readiness of climate smart, nutrient management decision support tools (DST) in different institutional environments: Ethiopia & Tanzania” submitted to “The Netherlands Organisation for Scientific Research” for funding
- Serving as a member of discipline-grouped ASSAf Peer Review Panel of South African scholarly journals. This panel is constituted by Academy of Science of South Africa (ASSAf)
- Serving as a reviewer of AEASA contributed papers (since 2009 I am reviewing 2 - 4 papers a year)
- Serving as a member of the local organizing committee, 2017 annual conference; served as a member of the local organizing committee, 2009 annual conference; served as a member of AEASA 2014 award committee for the best international journal paper
- Served as a reference group member for a WRC project (K5/1879//6)

- Served as the evaluator of three projects submitted to WRC (August 2015)
- NRF Rating: Served as evaluator of the quality of the research outputs and standing of four applicants from three Universities in South Africa (2014, 2015 & 2016)
- Served as an external examiner for Environmental Economics course (2012-13), Rhodes University
- Served as the reviewer of NRF's Research & Technology Funding application
- Served as an external examiner (2014) for an MSc course - Advanced Production Economics, University of Pretoria

AWARDS, PRIZES AND SCHOLARSHIPS:

- The paper co-authored and published in **“Agricultural Water Management”** (2016) won second AEASA prize for the best article published in a professional journal
- Undergrad student, Benjamin Chapeyama, won second prize for his paper presented at the UKZN Post-Graduate Research Day, 22 September 2015
- DAAD Scholarship – Research Stay for University Academics and Scientists, 2015 (1 October to 30 November)
- Supervised MSc thesis by **John Flanagan** won first prize for the best thesis completed in 2015 in South Africa (Agricultural Economics/Agribusiness/Agricultural Management)
- The paper co-authored and published in **“Environment, Development and Sustainability”** (2015) won first AEASA prize for the best article published in a professional journal
- NRF Rating: C-Rated Researcher (Jan. 2014 – Dec. 2018)
- The paper co-authored and published in **“Land Policy”** (2013) won second AEASA prize for the best article published in a professional journal
- Co-supervised MSc thesis by **Stanley Sharaunga** won second prize for the best thesis completed in 2013 in South Africa (Agricultural Economics/Agribusiness/Agricultural Management)
- Solo-authored paper published in **“Journal of Sustainable Agriculture”** - 2012 - won first prize for the best article published in a professional journal
- Undergrad student, Stanley Sharaunga, won AEASA's best student essay Prize for his final year essay entitled **“The dis-incentive effects of food aid and agricultural policies on local land allocation in developing countries: a case study for Malawi”**, 29 September, 2011, Pretoria, **South Africa**
- Best Doctoral Thesis Award: March 17, 2006, Prize of Friends of ZEF for the best doctoral thesis of the years 2003 / 2004
- DAAD, PhD Scholarship: August 2000 - January 2004
- Netherlands Fellowship Program, M.Sc Scholarship: Sept. 1995 - Jan. 1997

REFEREES: available upon request.

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