

Curriculum Vitae

Girma Gebresenbet

Girma Gebresenbet is a Professor, head of Logistics and Transport Division (www.slu.se/logistik), at the Swedish University of Agricultural Sciences, Department of Energy and Technology. His MSc degree is in Mechanical Engineering and obtained **honour degree**, and for his PhD degree he obtained a **special reward** from the Swedish Academy of Forestry and Agriculture for the outstanding doctoral dissertation of the year.

Currently, Gebresenbet is coordinating and managing many national and international research projects, where researchers and industry partners participated from many countries, mainly in the subject area of **Logistics and Supply Chain Management with specific emphasis on Food Production and Marketing Chain in relation to quality, safety (including animal welfare), security, and environment.**

Name	Girma Gebresenbet
Citizenship	Swedish
Gender	Male

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Language	Read				Write				Speak			
	Excellent	Good	Fair	Slight	Excellent	Good	Fair	Slight	Excellent	Good	Fair	Slight
English	x				x				x			
Swedish	x					x			x			
Russian	x					x			x			
French			x					x				x
Oromo*	x				x				x			
Amharic*	x				x				x			

* Ethiopian languages

Education

1973 - 1974 Flying school of Ethiopian Air force
1974 - 1975 Addis Ababa University, Ethiopia
1977 - 1983 **Master of Science** in Engineering, , **degree with honour**
1978 - 1983 Certificate for the right to teach Russian language ,
1986 - 1991 **PhD degree** in Engineering at, SLU
1996 - 2000 Associate Professor
2000 to date **Professor**

Special reward

1974 **Special reward** for the best student of the flight course, Air Force
1983 **Honour Degree**, and reward for MSc
1991 **Special reward** for the outstanding PhD dissertation of the year by the Swedish Academy of Forestry and Agriculture

Employment

1973 - 1974 Cadet/Pilot, Flying school of Ethiopian Air force
1976 - 1977 District co-ordinator, at the Ministry of land reform, Ethiopia
1986 -1991 Research assistant at the Department of Agricultural Engineering, SLU
1991 - 1994 Research leader at the Department of Agricultural Engineering, SLU
1993 - 1998 Head of International Activities of the Department of Agricultural Engineering, SLU
1992- Co-ordinator, Forum for technology development in developing

	countries (KUT)
1994 - 1996	Post doctoral research officer, SLU
1996 – 2000	Associate Professor, SLU
2000 – to-date	Professor, SLU

Visiting and Guest Professor

- (a) Kwame Nkrumah University of Science and Technology, Ghana
- (b) Addis Ababa University, Ethiopia
- (c) Ambo University, Ethiopia

Administration and other relevant activities

- Member of the Department's council at the Department of Agricultural Engineering of SLU ;
- Head of Transport and Logistics Division
- Co-ordinator for various national and international research projects
- **Co-ordinated and managed 3 EU-projects.**
- **Scientific coordinator of Excellence Centre in Logistics in Ethiopia**
- Head of the international activity of the Department (1993-1998)
- Member of steering committee of VII section of NJF (1997-2003)
- Co-ordinator for KUT, contact forum for technologies for developing countries
- Course coordinator and management

Special mission

- **Member of Commission for animal welfare:** Gebresenbet is a member (as an expert) of a Commission assigned by the Swedish Government for animal transport and welfare.

Examination committee member

Gebresenbet has been member of the examination commissions for four PhD dissertations at six universities and 4 at SLU.

Evaluating mission

By the request of the Universities (Kenya, South Africa, Asian Institute of Technology, and Ghana) Gebresenbet evaluated the works of candidates for Associate Professor and Professor positions.

Expert to evaluate proposals: Gebresenbet supported numerous governmental and non-governmental funding organizations including Volkswagen Foundation by evaluating research proposals submitted.

Consultancy and resource person

Consultant for UNDP, AGROTEC for agricultural and system engineering for Eastern and South-eastern African countries.

Consultant for FAO on Rural Agricultural Transport

Consultant for EURO Consultant and IBF on Animal welfare aspects

Resource person (backstopping) for capacity building program for the University of Mondlane in Mozambique from 1993 to 1998, financed by **SIDA**

Resource person for the EU funded Postgraduate Technological Studies at the Asian Institute of Technology

Exchange programs

UK: Participated in Teachers exchange program between Swedish University of Agricultural Sciences and Universities in UK (University of Manchester and Cranfield University)

Ghana: Participated and coordinated the Linneaus-Palme Echange program between Swedish university and Kwame Nkruma University for 4 years

Ethiopia: Coordinated the Linneaus-Palme Echange program between Swedish university and Addis Ababa University for 7 years. During the 7 years, he has been teaching the course on Logistics and Freight Transport.

Research subject Areas

Five main research areas:

- (a) Animal welfare with special focus on handling (at the farm, control posts, abattoir) and transport
- (b) Draught animal power and welfare
- (c) Agricultural and Food Logistics Chain with special emphasis on food quality, traceability, economic competitiveness and environment;
- (d) City Logistics,
- (e) Supply chain management
- (f) Rural Logistics and transport
- (g) Application of GIS and GPS in food supply chain

Four minor research areas

- (h) Measurement technology and instrumentation;
- (i) Ergonomics, and
- (j) Application of GIS and GPS in food supply chain
- (k) Mechanization (both small and large scale)
 - i. Soil preparation and conservation tillage
 - ii. Harvest and post-harvest technology

Skills

- Project manager, coordinator
- Project design, development, planning, monitoring, reporting, and evaluation
- Researcher
- Research program development and management
- Management and coordination of networks
- Team building and leader

International and national projects coordinated by Gebresenbet

The following projects are some of the latest projects that are initiated, coordinated and performed by Gebresenbet, or as a partner.

- **EUOPRUNING:** Development and implementation of a new, and non existent, logistic chain on biomass from pruning (EU project)
- **RELOAD:** Reduction of Post Harvest Losses and Value Addition in East African Food Value Chains (European and African countries cooperation project, funded by German Government)
- **SusOrganic:** Development of quality standards and optimised processing methods for organic produce (EU project)
- **Cooptåget:** Intermodal transport (national projects)
- **CEPOST:** Evaluation of the Feasibility of a Certification Scheme for High Quality Control Posts to promote animal welfare (**EU project**)
- **Quality Control Post:** Renovation and promoting high quality control posts in the EU (**EU project**)
- **IMPACT:** Study on the impact of regulation (EC) No 1/2005 on the protection of animals during transport (**EU project**)
- **Certification:** Certification of Control Posts (EU project, progress since January 2012)
- **Quality Control Post:** Renovation and promoting high quality control posts in EU (EU project, and in progress since 2010)
- **AfricanFruits:** Supply chain management approach to minimize postharvest loss in fruits and vegetables (In progress since January 2012)
- **Welfare:** Animal welfare aspect at farm, transport and abattoir with special emphasis on housing conditions and loading facilities at the farm (project in progress, since 2006)
- **TransTime:** Effect of transport time up to 12 hours on cattle and pigs welfare (Project in progress since 2007)
- **Local Food Logistics:** Effective Logistics systems for Local food production chain (Project in progress since 2006)
- **Milk round:** Integration of networks of small scale producers and their supply chain.
- **CATRA:** Cattle transport and welfare in relation meat quality (**EU project**)
- **WELFARE-Camel:** A project on the evaluation of working performances of Camels of various races (the project was performed in Kenya)
- **COST ACTION** on Animal welfare (**EU project**)
- **DAPS:** Optimization of Draught animal power and implement system, under the main project on Resource conservation and sustainable agriculture with special emphasis on draught animal power and conservation tillage (SIDA-funded project that conducted in Ethiopia and Kenya)
- **PIGTRANS:** Improving the welfare of slaughter pigs during handling and transport
- **FARMTRANS :** Animal transport from farms to abattoir in relation to animal welfare, meat quality and environment (in co-operation with meat industry and transport company);
- **Mobile abattoir:** A project on mobile and semi-mobile abattoir as an alternative to conventional abattoir system
- **ART:** Agricultural rural transport in Eastern Africa (SIDA and DFID funded project and six

partners from four countries (Kenya, Sweden, UK and Germany)

- **ANTRANS:** Integrated project in Animal welfare and transport
- **ASCI:** Agricultural Supply Chain Improvement through mode choice, localisation, route optimisation and suppliers' delivery strategy;
- **SAMTRA:** Co-ordinated goods distribution in Uppsala city to attenuate environmental impact (a project performed in collaboration with Uppsala Municipality and Skandi Transport System);
- **MODTRANS:** A simulation model for fuel consumption and emission emanated from goods transport trucks;
- **ATRANS:** Material flow within agricultural sector
- **SATRA:** Co-ordinated goods transport in agricultural sector to promote environmentally sustainable goods transport system (Project conducted in co-operation with Arla, ODAL, Swedish Meats)
- **VISA:** Co-ordinated food distribution and its environmental consequences (in cooperation with Bakeries, meat industries, food distribution companies, transport companies, Transport research institute (TFK), and Uppsala Municipality)
- **CUDEV:** Curriculum development and appropriate literature for various levels of education in the field of Agricultural Engineering (a pilot project under the UNDP regional project in Eastern and Southern Africa and financed by SIDA)
- **ARGO:** Assessing ergonomic efficiency of hand tools for small scale agriculture in developing countries
- **USTRA:** Universities co-ordinated goods transport with special reference to University of Uppsala and Swedish University of Agricultural Sciences

Collaboration with producers and food processing and distribution companies

In the implementation of the above activities, collaborative relations have been established with research institutions, agricultural and food producing and distributing companies and relevant governmental and non-governmental institutions. On International level, research network with several institutions have been established, and various projects have been conducted on the subjects:

Refereeing scientific papers

Gebresenbet provide service for the following scientific journals by reviewing submitted manuscripts:

- (a) Journal of Biosystems Engineering (for the last 16 years)
- (b) Deutsche Tierärztliche Wochenschrift,
- (c) Journal of International Logistics Management
- (d) Journal Scheduling
- (e) Journal of Animal welfare
- (f) Journal soil tillage
- (g) Journal of Transport Geography
- (h) Journal of Supply Chain Management

Organizing international technical meetings, seminars, courses and workshops

With in the last ten years, Gebresenbet organized and coordinated the following,

- Series of seminars for KUT, contact forum for technologies for developing countries,
- Organised international workshops on animal welfare at SLU, Sweden, Nairobi (Kenya), Maputo (Mozambique), Brussels (Belgium)

Research collaboration and professional linkage with international institutions

In the progress of research activities, collaborative research linkages have been established with the following universities and institutions. More than 50% of my research activities are dedicated to international, where networks and research projects at EU level are predominant. Moreover, many projects related to Africa have been performed and I am currently the **Scientific Coordinator for the Excellence Centre** in Ethiopia in Logistics systems where Animal chain is the main component.

University of Nairobi, **Kenya**
Silsoe research institute, **UK**
International Livestock Research Institute,
ILRI, in **Ethiopia and Kenya**
University of Zimbabwe, **Zimbabwe**
Asian Institute of Technology, **Thailand**
University of Kassel, **Germany**
Hanover School of Veterinary Science, Institute for
Animal Hygiene and Animal Welfare, **Germany**

University of Ljubljana, Institute for environment
and animal hygiene, **Slovenia**

Universidad de Zaragoza, Departamento de
Produccion Animal Facultad de Veterinaria, **Spain**
ATRIA Meat industry, **Finland**

Asian Institute of Technology, **Thailand**
Kwame Nkrumah University **Ghana**

Silsoe Agricultural college, **UK**,
University of Warwick, **UK**

University of Mondlane, **Mozambique**
Sokoine niversity of Agriculture, **Tanzania**
Finish meat research institute, **Finland**
Awasa college, A.A. University, **Ethiopia**

Laboratory for Quality Care in Animal
Production, Katholieke Universiteit, **Belgium**

Norwegian Meat Research Centre - NMRC,
Fagsenteret for kjøtt, **Norway**

Università di Bologna , **Italy**
Federal Institute for health protection of
consumers and veterinary medicine,
Germany
Addis Ababa University, **Ethiopia**
Ambo university, **Ethiopia**

Beside the above institutions, Gebresenbet is currently coordinating an Integrated project with 19 EU member states and two non-member states.

Countries of experience

Kenya, Ethiopia, Zimbabwe, Tanzania, Mozambique, Thailand, South Africa, Slovenia, Russia, Norway, Ireland, Italy, UK, France, Germany, Belgium, The Netherlands, and Finland,

International congresses, conferences and workshops

Keynote speaker: Gebresenbet has been invited and presented keynote papers and research papers on numerous international conferences, congresses, workshops, and seminars. He also participated on many conferences without presenting papers.

Professional membership

- Nordic Society of Agriculture Sciences
- Society of European Agricultural Engineers
- AAAS

- World Transport Congress
- CIGR
- Sällskapet Riksdagsledamöter och forskare (Members of Swedish Parliament and researchers' cooperation)
- (g) Member of Southern and Eastern African Society of Agricultural Engineers, SEASAE,
- (h) Member in Animal Traction Network for Eastern and Southern Africa, ATNESA

Pedagogical activities

Teaching in graduate and undergraduate education

1986 – 1989: Participated in teaching in the subject areas of mechanics (strength of materials, finite element), thermodynamics

1989 - to date: Developed and managed two new courses: Technologies for developing countries, part I, and II

1992 – to date : Participate in teaching of courses in the following subjects

- Animal transport and welfare
- Logistics and Transport
- Design and development
- Supply chain management
- Thermodynamics, theory of machine and mechanism; machine element
- Field machinery;
- International course on Animal Traction and welfare;
- Research methodologies

International course: Gebresenbet developed and organized international course on welfare of working animals and the course has been given in Mozambique, Kenya, Zimbabwe and Ethiopia.

Literature for Education: By the request of UNDP, Gebresenbet worked on selections of available and appropriate teaching literature for education in Agricultural engineering in developing countries.

Teaching materials

Handouts: For all course Gebresenbet has been teaching hitherto, he has produced handouts for students.

Slides and video: As teaching aids, Gebresenbet produced and organized slides and video films for course he has been teaching.

Gebresenbet uses mainly his own research findings for teaching and some samples are enclosed.

Supervision and guidance of PhD and MSc students

MFS: Hitherto, Gebresenbet advised and guided seven Minor Field Study (MFS) students (5 in Africa and three in Latin America) in the subjects: Energy, soil conservation, small scale mechanization, Draught animal power and water.

PhD: Up to now, **13** PhD students have successfully defended their thesis under my supervision and I have also been assistant supervisor for three other PhD students.

- 1) Cajsa Elvesson
- 2) Lena Rhode
- 3) David Ljunberg
- 4) Isabelle Wikner
- 5) Emmanuel Bobobe
- 6) Anders Larsolle
- 7) Techane Gari Bosona
- 8) Samuel Aradom
- 9) Allan Komakech
- 10) Anerud Erik
- 11) Fufa Sorri Bulita
- 12) Ingrid Nordmark
- 13) Joel Kinobe

Currently Gebresenbet is supervising **2** PhD students.

- 1) Tadesse Kenea
- 2) Ashenafi Chaka

MSc: Gebresenbet has supervised 48 MSc students including Minor Field Studies in Africa and Latin America. Currently I am supervising **10 MSc** students in Ethiopia and Ghana.

Mass-media experience and spreading of research information on news papers

Besides the national and international scientific publication, interviews were made on mass media to spread the research results. The effect of handling and transport on animal welfare and environment was commented in the local news paper of Uppsala. The effect of route planing and co-ordination of goods transport distribution was also commented on *Uppsala Nya*. Detailed comments on the effective logistics system to promote a sustainable transport system were also given in the transport news paper, *Transport Idag Tidning*.

Radio interviews were made four times by Upplands radio regarding goods transport and animal transport. The national radio made long interview on researcher with foreign background.

The Swedish National TV programme made interviews twice about animal transport as a whole and particularly on CATRA, the EU-funded project.

One of the Swedish largest news papers, *Dagens Nyhet*, published article about research activities of Gebresenbet and comprehensive interview under the title of —*Professor that loves cows*ll. Main emphasis was on animal welfare, meat quality and environment.

List of Publications

List of publications are classified as (a) referee-evaluated scientific papers, (b) Book chapters, (c) Conference and workshop papers, (d) Reports

(a) Referee-evaluated scientific papers

Ashenafi Chaka, Tadesse Kenea Amentae, and **Girma Gebresenbet**, 2017. Assessment of post-harvest losses of Warqe food products along the supply chain in Central Ethiopia. *African Journal of Agricultural Research*, 12(9), pp.750-763.

Girma Gebresenbet, Samuel Aradom¹ and Pascal Gitari Kaumbutho, 2016, Performance and Welfare Status of Working Donkeys. *Journal of Agricultural Science and Technology A* 6 (2016) 108-115

Ashenafi Chaka, Tadesse Kenea Amentae, and **Girma Gebresenbet**, 2016. Analysis of the Supply Chain and Logistics Practices of Warqe Food Products in Ethiopia. *International Journal on Food System Dynamics* 7.3 (2016): 213-228.

Tadesse Kenea Amentae, **Girma Gebresenbet**, David Ljungberg, 2015. Characterizing Milk Supply and Marketing Chains and Losses in Wolmera and Ejere Districts of Ethiopia. *Journal of Service Science and Management*, 8, 823-843

Tadesse Kenea Amentae, Efa Gobena Tura, **Girma Gebresenbet**, David Ljungberg, 2016. Exploring value chain and post-harvest losses of Teff in Bacho and Dawo districts of central Ethiopia. *Journal of Stored Products and Postharvest Research* 7(1), 11-28

Tadesse Kenea Amentae, **Girma Gebresenbet** (2015). Evaluation of Performances of Intermodal Import-Export Freight Transport System in Ethiopia. *Journal of Service Science and Management*, 2015, 8, 57-70

Fufa Sorri Bulitta, Samuel Aradom, **Girma Gebresenbet**, 2015. Effect of Transport Time of up to 12 Hours on Welfare of Cows and Bulls. *Journal of Service Science and Management*, 2015, 8, 161-182

Joel R. Kinobe, Charles B. Niwagaba, **Girma Gebresenbet**, Allan J. Komakech & Björn Vinnerås (2015). Mapping out the solid waste generation and collection models: The case of Kampala City, *Journal of the Air & Waste Management Association*, 65:2, 197-205, DOI: [10.1080/10962247.2014.984818](https://doi.org/10.1080/10962247.2014.984818)

Samuel Frimpong , **Girma Gebresenbet***, Emmanuel Bobobee, Elias D. Aklaku and Ibrahim Hamdu. (2014) Effect of Transportation and Pre-Slaughter Handling on Welfare and Meat Quality of Cattle: Case Study of Kumasi Abattoir, Ghana. *Vet. Sci.* **2014**, 1, 174-191; doi:10.3390/vetsci1030174

Allan J. Komakech , Noble E. Banadda , Joel R. Kinobe , Levi Kasisira , Cecilia Sundberg , **Girma Gebresenbet** & Björn Vinnerås (2014). Characterization of municipal waste in Kampala, Uganda, *Journal of the Air & Waste Management Association*, 64:3, 340-348, DOI: [10.1080/10962247.2013.861373](https://doi.org/10.1080/10962247.2013.861373)

Zebene Lemma, Woubit Dawit, Mulugeta Negari, Ashenafi Chaka, Thangavel Selvara and **Girma Gebresenbet** (2014). Identification of post-harvest rotting microorganisms from tomato fruits (*Solanum esculentum* Mill)min Toke Kutaye district of West Shoa zone, Ethiopia. *Academic journal*, vol 5(3) pp 14-19

Allan John Komakech & Noble Ephraim Banadda & **Girma Gebresenbet** & Björn Vinnerås (2014). Maps of animal urban agriculture in Kampala City (2014). *Agron. Sustain. Dev.* (2014) 34:493–500, DOI 10.1007/s13593-013-0164-7

Bosona, T., Nordmark, I., **Gebresenbet, G.**, Ljungberg, D. (2013). GIS-based analysis of integrated food distribution network in local food supply chain. *International Journal of Business and Management*; Vol. 8, No. 17; 2013

Techane Bosona, Girma Gebresenbet. Food traceability as an integral part of logistics management in food and agricultural supply chain. *Food Control* 33 (2013) 32e48

Anerud E, Jirjirs R, **Gebresenbet G.** (2012). Evaluation of the performance of a three-dimensional vibrating test rig for cleaning stumps. *Australian Journal of Agricultural Engineering* 3(2), 51-58

Erik Anerud, Raida Jirjis & **Girma Gebresenbet** (2013). Cleaning of harvested Norway spruce stumps using a vibration-based method. International. *Journal of Forest Engineering*, 2013
<http://dx.doi.org/10.1080/14942119.2013.798934>

Abebe Tadesse, Techane Bosona, **Girma Gebresenbet** (2013). Rural Water Supply Management and Sustainability: The Case of Adama Area, Ethiopia. *Journal of Water Resource and Protection*, 2013, 5, 208-221

Girma Gebresenbet, Isabel Wikner, Emmanuel Yaovi Hunnuor Bobobee, Gustavo Maria and Morris Villarroel. (2012). Effect of Transport Time and Handling on Physiological Responses of Cattle. *Journal of Agricultural Science and Technology A 2* (2012) 800-814

Addis Bekele, Techane Bosona, Ingrid Nordmark, **Girma Gebresenbet**, David Ljungberg. Assessing the Sustainability of Food Retail Business: The Case of Konsum Värmland, Sweden. *Journal of Service Science and Management*, 2012, 5, 373-385

Bulitta S.F., **Gebresenbet G.** Bosona T.G. 2012. Animal handling during supply for marketing and operations at an abattoir in developing country: The case of Gudar market and Ambo abattoir, *Ethiopia Journal of Service science and management* 59-68

Frimpong S., **Gebresenbet G**, Bosona T.G., Bobobee E., Aklaku E., Hamdu I. 2012. Animal Supply and Logistics Activities of Abattoir Chain in Developing Countries: The Case of Kumasi Abattoir, *Ghana Journal of Service Science and Management* 20-27

Gebresenbet G. 2012. Effect of flower farming on environment, social and health with special emphasis on Oromia in Ethiopia *Journal of US-China Public Administration* vol. 9 nr 2 150-161

Gebresenbet G; Bosona T.G. 2012. Logistics and Supply Chains in Agriculture and Food 125-146

Joel R. Kinobel, **Girma Gebresenbet** and Björn Vinnerås 2012. Reverse Logistics Related to Waste Management with Emphasis on Developing Countries—A Review Paper. *Journal of Environmental Science and Engineering B 1* (2012) 1104-1118

Girma Gebresenbet, Techane Bosona1, Mulualem Feleke and Emmanuel Yaovi Honnuor Bobobee.2012. Improving Loading Facilities and Methods to Minimize Stress on Animals during Transport from Farm to Abattoir. *Journal of Agricultural Science and Technology A 2* (2012) 784-799

Samuel Aradom, **Girma Gebresenbet**, Fufa Sorri Bulitta, Emmanuel Yahoovie Bobobee and Musa Adam. 2012. Effect of Transport Times on Welfare of Pigs. *Journal of Agricultural Science and Technology A 2* (2012) 544-562

Bosona T.G., **Gebresenbet G**, Nordmark I., Ljungberg D. 2011. Box-Scheme Based Delivery System of Locally Produced Organic Food: Evaluation of Logistics Performance *Journal of Service*

Science and Management vol. 4 nr 3 357-367

Bosona T.G., **Gebresenbet G.** 2011. Cluster Building and Logistics Network Integration of Local Food Supply Chain. *Biosystems Engineering vol. 108 293-302*

Bosona T.G., **Gebresenbet G.**, Nordmark I., Ljungberg D. 2011. Integrated logistics network for the supply chain of locally produced food, Part I: Location and route optimization analyses. *Journal of Service Science and Management vol. 4 nr 2 174-183*

Bosona T.G., **Gebresenbet G.**, Bulitta F.S. 2011. Modeling the dynamic response of camels' heart rate to physical activities. *Livestock Science vol. 142 138-146*

Gebresenbet G. 2011. Large scale flower production in Oromia: From independent farmers to low-wage hired workers New Routes: A journal of peace research and action vol. 16/4 5-7

Gebresenbet G., Bosona T.G., Ljungberg D., Aradom Messmer S. 2011. Optimisation analysis of large and small-scale abattoirs in relation to animal transport and meat distribution. *Australian Journal of Agricultural Engineering vol. 2 nr 2 31-39*

Gebresenbet G., Nordmark I., Bosona T.G., Ljungberg D. 2011. Potential for optimised food deliveries in and around Uppsala city, Sweden. *Journal of Transport Geography vol. 19 nr 6*

Gebresenbet G., Aradom S, Bulitta F S, Hjerpe E. 2011. Vibration levels and frequencies on vehicle and animals during transport. *Biosystems Engineering, 2011, 1-10*

- Bulitta FS, Bosona TG, **Gebresenbet G**. 2011. Modelling the dynamic response of cattle heart rate during loading for transport. *Australian journal of agricultural engineering, AJAE 2(3):66-73 (2011)*
- Bosona T, **Gebresenbet G**, Fufa S. Bulitta. 2011. Modeling the dynamic response of camels' heart rate to physical activities. *Livestock Science (in press)*
- Bosona T, **Gebresenbet G**, Nordmark I, Ljungberg D. 2011. Integrated Logistics Network for the Supply Chain of Locally Produced Food, Part I: Location and Route Optimization Analyses. *Journal of Service Science and Management, 2011, 4, 174-183*
- Gebresenbet G**, Nordmark I, Ljungberg D; Bosona T. 2011. Potential for optimised food deliveries in and around Uppsala city, Sweden. *Journal of Transport Geography 19 (2011) 1456–1464*
- Gebresenbet G**, Bosona TG, Ljungberg D, and Aradom S. 2011. Optimisation analysis of large and small-scale abattoirs in relation to animal transport and meat distribution. *Australian journal of agricultural engineering. AJAE 2(2):31-39 (2011)*
- Bosona T.G. and **Gebresenbet G**. (2010). Cluster Building and Logistics Network Integration of Local Food Supply Chain. *Biosystems Engineering (2011) 293-302*.
- Bosona T.G. and **Gebresenbet G**. (2010). Modeling Hydropower Plant System to Improve its Reservoir Operation. *International Journal of Water Resources and Environmental Engineering, Vol. 2(4), pp. 87–94*.
- Evangelia Sossidou, D. M. Broom, L.T. Czyszter, R. Geers, **G. Gebresenbet**, E. Szücs —Welfare of Long Distance Transportation of Cattle (2009) *Lucrări Științifice Zootehnie Și Biotehnologii, Volume 42 (2): 603-613*
- Ljungberg D, **Gebresenbet G**., Aradom, S. 2007. Logistics Chain of Animal Transport and Abattoir Operations. *Biosystems Engineering (2007) 96(2), 267-277*
- Bobobee, E.Y.H., **Gebresenbet, G**, 2007. Effect of cutting edge thickness and state of wear of ploughshare on draught force and heart rate of Sanga oxen in Ghana. *Soil & Tillage Research 95 (2007) 298-307*
- Bobobee, E.Y.H., Sraku-Lartey, K., Fialor, S.C., Canacoo E.A., Agodzo S.K., a, Albert Yawson A., **Gebresenbet, G**. 2007. Wear rate of animal-drawn ploughshares in selected Ghanaian soils. *Soil & Tillage Research 93 (2007) 299- 308*
- Ljungberg D, **Gebresenbet G**. 2004. Mapping out the potential for coordinated goods distribution in city centres: The case of Uppsala. *International journal of Transport Management 2 (2004) 161-172*
- Rodhe, L., Rydberg, T., **Gebresenbet, G**. 2004. The Influence of Shallow Injector Design on Ammonia emissions and Draught Requirement under Different Soil Conditions. *Journal of Biosystems Engineering (2004) 89(2), 237-251*
- Winckler C, Capdeville J, **Gebresenbet G**, Hörning B, Roiha U, Tosi M, Waiblinger S 2003. Selection of parameters for on-farm welfare assessment protocols in cattle and buffalo. *Animal*

Welfare 12, 619-624

Gebresenbet, G., Wikner, I., Van de Water, G., Freson, L. & Geers, R. 2003. A smart system for surveillance of animal welfare during transport. *German Veterinary Journal*. Vol **110**:494-498.

María, G., Villaroel, M. & **Gebresenbet, G.** 2003. Scoring system for evaluating the stress to cattle of commercial loading and unloading. *The Veterinary Record*, volume 154, issue 26, 818-821.

Maria, G.A., Garcia-Belenguer, S., Villaroel, M., Chacón, G., Sañudo, C. & **Gebresenbet, G.** 2003. Effect of transport time on plasmatic stress parameters in cattle. *Animal Welfare 11*.

María, G.A., Villaroel, M., Sañudo, C. Olleta, J.L. & **Gebresenbet, G.** 2003. Effect of transport time an ageing on instrumental aspects of beef meat quality. *Meat Science 65 (2003) 1335-1340*.

Wikner, I., **Gebresenbet, G.** & Nilsson, C. 2003. Assessment of air quality in commercial cattle transport vehicle in swedish summer and winter conditions. *German Veterinary Journal*, 2003 110(3):100-4.

Wikner, I., **Gebresenbet, G.** & Tolo, E. 2003. Dynamic performances of cattle transporting vehicle on Scandinavian roads and behavioural response of animals. *German Veterinary Journal*, volume 110, 100-104

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