

List of publications - Christian Hülsebusch (Dr. sc. agr.)  
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h-factors: web-of-science = 6 | scopus = 6 | research gate = 10 | google scholar = 13  
(excluding self citations 20.09.2022)

peer reviewed

Mgalula ME, Wasonga OV, Hülsebusch C, Richter U, Hensel O, 2021: Greenhouse gas emissions and carbon sink potential in Eastern Africa rangeland ecosystems: A review. *Pastoralism* 11 (1), 1-17.

Schlecht E, Turner MD, Hülsebusch CG, Buerkert A, 2020: Managing rangelands without herding? Insights from Africa and beyond. *Frontiers in Sustainable Food Systems* 4:260.

Ludwig L, Isele J, Rahmann G, Idel A, Hülsebusch C, 2019: A pilot study into biomass yield and composition under increased stocking rates and increased stocking densities on a Namibian organic beef cattle and sheep farm. *Organic Agriculture* 9: 249-261, DOI: 10.1007/s13165-018-0214-1.

Kaufmann BA, Huelsebusch CG, Kraetli S, 2019: Pastoral Livestock Systems. In: Ferranti P, Berry EM, Anderson JR (Eds.), *Encyclopedia of Food Security and Sustainability*, vol. 3: 354–360. Elsevier.

Muthui JN, Matofari JW, Kingori AM, Hülsebusch CG, 2019: Estimation of daily nutrient allowances for pigs fed with alternative feedresources in smallholder enterprises in Kenya. *Tropical Animal Health and Production* 51: 799–808, DOI: 10.1007/s11250-018-1757-6.

Muthui JN, Matofari JW, Kingori A, Hülsebusch C, 2019: Comparison of decent work status among smallholder pig farmers in Kenya: An empirical approach using Principal Components. *Journal of Agriculture and Rural Development in the Tropics and Subtropics* 120(1): 79-90, DOI: 10.17170/kobra-20190613559.

Nato SM, Matofari JW, Bebe BO, Huelsebusch C, 2019: Prevalence of  $\beta$ -haemolytic multi-drug resistant *E. coli* in cow and camel milk in Kenya. *Journal of Consumer Protection and Food Safety* 14: 55–61, DOI: 10.1007/s00003-018-1187-4.

Muthui JN, Matofari JW, Kingori AM, Hülsebusch C, 2018: Beneficial Effects of Non-Conventional Feedstuffs on Carcass Characteristics and Ileal Mucosal Morphology of Finisher Pigs. *Egyptian Journal of Veterinary Science* 49(2): 167-177.

Nato SM, Matofari JW, Bebe BO, Huelsebusch C, 2018: Effect of predisposing factors on microbial loads in camel milk along the pastoral dairy value chain in Kenya. *Pastoralism: Research, Policy and Practice* 8:16, DOI: 10.1186/s13570-018-0123-7.

Kashongwe OB, Mwangi LW, Bebe OB, Matofari JW, Huelsebusch C, 2017: Influence of on farm feed formulations and hygiene interventions on milk yield and quality in smallholder dairy farms in Kenya. *International Journal of Agricultural Extension* 05(02): 11-17.

Kashongwe OB, Bebe BO, Matofari JW, Huelsebusch CG, 2017: Associations between milking practices, somatic cell counts and milk postharvest losses in smallholder dairy and pastoral camel herds in Kenya. *International Journal of Veterinary Science and Medicine* 5(1): 57-64.

- Kashongwe OB, Bebe BO, Matofari JW, Huelsebusch CG, 2017: Effects of feeding practices on milk yield and composition in peri-urban and rural smallholder dairy cow and pastoral camel herds in Kenya. *Tropical Animal Health and Production* 49(5): 909-914.
- Kaufmann BA, Lelea MA, Hülsebusch C, 2016: Diversity in livestock resources in pastoral systems in Africa. *Revue scientifique et technique (International Office of Epizootics)* 35(2):445-459. DOI: 10.20506/rst.35.2.2535.
- Kurtz DB, Asch F, Giese M, Hülsebusch C, Goldfarb MC, Casco JF, 2016: High impact grazing as a management tool to optimize biomass growth in northern Argentinean grassland. *Environmental Indicators* 63: 100-109, DOI:10.1016/j.ecolind.2015.10.065.
- Elias M, Hensel O, Richter U, Hülsebusch C, Kaufmann B, Wasonga O, 2015: Land Conversion Dynamics in the Borana Rangelands of Southern Ethiopia: An Integrated Assessment Using Remote Sensing Techniques and Field Survey Data. *Environments* 2: 1-31, DOI: 10.3390/environments2010001.
- Restrepo MJ, Lelea MA, Christinck A, Hülsebusch C, Kaufmann BA, 2014: Collaborative learning for fostering change in complex social-ecological systems: a transdisciplinary perspective on food and farming systems. *Knowledge Management for Development Journal* 10(3): 38-59, <http://journal.km4dev.org/>.
- Amadou H, Hülsebusch C, Berthe A, Schlecht E, 2014: Safety of horticultural and livestock products in two medium-sized cities of Mali and Burkina Faso. *African Journal of Agricultural Research* 9(8): 735-745, DOI: 10.5897/AJAR2013.6897.
- Riedel S, Schiborra A., Hülsebusch C, Schlecht E, 2014: The productivity of traditional smallholder pig production and possible improvement strategies in Xishuangbanna, South Western China. *Livestock Science* 160: 151-162.
- Krätli S, Hülsebusch C, Brooks S, Kaufmann B, 2013. Pastoralism: A critical asset for food security under global climate change. *Animal Frontiers* 3(1): 42-50, DOI 10.2527/af.2013-0007.
- Riedel S, Meyer M, Schlecht E, Huelsebusch C, Schiborra A, 2012. Swamp buffalo keeping – an out-dated farming activity? A case study in smallholder farming systems in Xishuangbanna, Yunnan Province, PR China. *Journal of Agriculture and Rural Development in the Tropics and Subtropics* 113(2), 137-145.
- Riedel S, Schiborra A, Huelsebusch C, Huanming M, Schlecht E, 2012. Opportunities and challenges for smallholder pig production systems in a mountainous region of Xishuangbanna, Yunnan Province, China. *Tropical Animal Health and Production* 44(8): 1971-1980, DOI 10.1007/s11250-012-0166-5.
- Asch F, Huelsebusch C, 2009: Agricultural research for the Tropics: caught between energy demands and food needs. *Journal of Agriculture and Rural Development in the Tropics and Subtropics*, 110(1): 73-89.
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- Hülsebusch CG, 2000: Immunglobulin G status of camels during 6 months post natum. *Revue Èlev. Méd. vét. Pays trop.* 53(2):105-110.

## List of publications - Christian Hülsebusch (Dr. sc. agr.)

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Kaufmann BA, Hülsebusch CG, Gall CF, 1996: Productivity Assessment of Dromedary Husbandry in Northern Kenya by Use of a Computerised Herd Simulation Model. Sultan Qaboos University Journal for Scientific Research, Agricultural Sciences 1: 142.

### book chapters, books, booklets

Kaufmann B, Hülsebusch C, 2015: Employing cybernetics in social ecological systems research – transforming experience of land users into information for scientists. In Jeschke S, Schmitt R, Dröge A (eds.), Exploring Cybernetics – Kybernetik im interdisziplinären Diskurs, Springer Fachmedien Wiesbaden. p. 167-184.

Homann S, Maritz JH, Hülsebusch CG, Meyn K, Valle Zárate A, 2006: Boran and Tuli cattle breeds – Origin, worldwide transfer, utilisation and the issue of access and benefit sharing, Universität Hohenheim, Verlag Grauer, Beuren, Stuttgart, ISBN 3-86186-498-3, 51p.

Hülsebusch CG, Kuria S, Kamau D, Simpkin SP, 2002: Qualitative morphological and body measurement differences between Kenyan camel populations. In: Hülsebusch, C.G. and B.A. Kaufmann (Eds.), 2002: Camel Breeds and Breeding in Northern Kenya - An account of local camel breeds of Northern Kenya and camel breeding management of Turkana, Rendille, Gabra, and Somali pastoralists. Kenya Agricultural Research Institute, Nairobi - Kenya, p. 91 - 108.

Kaufmann BA, Kuria SG, Hülsebusch CG, 2002: Comparison of herd structure in Kenyan pastoral camel systems. In: Hülsebusch, C.G. and B.A. Kaufmann (Eds.), 2002: Camel Breeds and Breeding in Northern Kenya - An account of local camel breeds of Northern Kenya and camel breeding management of Turkana, Rendille, Gabra, and Somali pastoralists. Kenya Agricultural Research Institute, Nairobi - Kenya, p. 29 – 38.

Hülsebusch CG, Schlecht E, 2000: The livestock sector of Niger, In Graef, F., P. Lawrence and M. von Oppen (Eds.) 2000: Adapted Farming in West Africa: Issues, Potentials and Perspectives, Verlag Ulrich Grauer, Stuttgart, Germany, p. 75-79.

Schlecht E, Hülsebusch CG, 2000: Improving livestock production and crop-livestock integration in the Sahelian zone, In Graef, F., P. Lawrence and M. von Oppen (Eds.) 2000: Adapted Farming in West Africa: Issues, Potentials and Perspectives, Verlag Ulrich Grauer, Stuttgart, Germany, p. 155-167.

### transfer publications, manuals

Ludwig L, Isele J, Rahmann G, Idel A, Hülsebusch C, 2017: Rangeland forage biomass production and composition under different grazing regimes on a Namibian organic livestock farm. Thünen Report 54: 559.

Krätli S, Kaufmann B, Roba H, Hiernaux P, Li W, Easdale M, Hülsebusch C, 2015: A House Full of Trap Doors. Barriers to resilient drylands in the toolbox of development? IIED discussion paper, International Institute for Environment and Development, London and Edinburgh.

Kaufmann B, Lotira R, Roba GM, Lelea M, Wasonga O, Roba HG, Kochore H, Kapolon M, Hülsebusch C, Krätli S, 2015: Assessing Vulnerability of Communities and Livelihood Systems in Turkana and Marsabit Counties. Study report for giz, Eschborn.

Hülsebusch C, Roba HG, Kaufmann B, 2013: Rangelands – sound management strategies for a vulnerable resource. Rural 21 – 03/2013: 18-20.

- Aufderheide M, Voigts C, Hülsebusch C, Kaufmann B, 2013: Decent work? How self-employed pastoralists and employed herders on ranches perceive their working conditions. ICDD Working Paper No. 7. The International Center for Development and Decent Work, Kassel, Germany.
- Kaufmann B, Nelson W, Gudere R, Canger V, Golicha D, Frank M, Roba H, Mwai O, Hülsebusch C, 2012: Identifying local innovations in pastoral areas in Marsabit County, Kenya. German Institute for Tropical and Subtropical Agriculture (DITSL), Witzenhausen, Germany.
- Hesse M, Rösner K, Hoffmann A, Schumacher J, Königsdörfer J, Preißel S, Reckling M, Bürkert A, Kaufmann B, Hülsebusch C, 2009: Ökologischer Landbau und Fairer Handel in Entwicklungsländern Möglichkeiten nachhaltiger Ertragssteigerung und Beitrag zu Ernährungssicherung und Entwicklung - Status quo und Potenzialanalyse. DITSL GmbH, Witzenhausen, Germany.

## theses

- Hülsebusch CG, 1999: Immunglobulin G status of camels during 6 months post natum. Dissertation, University of Hohenheim, Hohenheim Tropical Agricultural Series, 1999, Margraf Verlag, Weikersheim, 147p.

## conference contributions

- Ludwig L, Hülsebusch C, 2022: Spatial and Temporal Variation of Stocking Rate in a Rotational Grazing System on a Namibian Cattle and Sheep Farm from 2006 to 2017. Proceedings of the XXIV International Grassland Congress / XI International Rangeland Congress (Sustainable Use of Grassland and Rangeland Resources for Improved Livelihoods) edited by the National Organizing Committee of 2021 IGC/IRC Congress, Kenya Agricultural and Livestock Research Organization KALRO, <https://uknowledge.uky.edu/igc/24/2-3/8>
- Warui H, Kaufmann B, Hülsebusch C, Valle Zárata A, 2008. Local knowledge on relevant traits in sheep and goats under pastoral management in Kenya: A contribution to characterization of animal genetic resources in their production system context. 10th World Conference on Animal Production. Cape Town, South Africa, 23 to 28 November 2008.
- Kaufmann BA, Hülsebusch CG, 1997. Camel calf losses in pastoral systems in northern Kenya: importance, causes, and traditional remedies. International Conference on Ethno Veterinary Medicine from 4-6 November 1997, Pune, India.
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- Hülsebusch CG, Bosler D, 1996. Entwicklung von Dromedarkälbern während der ersten sechs Lebensmonate. Vortragstagung der DGfZ / GfT, Hohenheim, Germany, 1996.
- Kaufmann BA, Hülsebusch CG, 1996. Impact of losses during calf rearing period on the productivity of a dromedary production system. Livestock Production and Diseases in the Tropics: Livestock Production and Human Welfare. Proceedings of the VIII International Conference of Institutions of Tropical Veterinary Medicine. Vol. I: 355-360.
- Hülsebusch CG, Kaufmann BA, Atkins DJ, Evans JO, 1994. Milk production of Somali and Turkana type dromedaries under semiarid conditions in Kenya, in: Bonnet, P. (Ed.) 1998, Dromadaires et chameaux, animaux laitiers, Actes du colloque, 24 – 26 octobre 1994, Nouakchott, Mauritanie. CIRAD, Montpellier, France, 304 p.

## conference contributions - Tropentag

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- Elias M, Richter U, Hensel O, Hülsebusch C, Kaufmann B, Wasonga O, 2014. Monitoring vegetation index dynamics in semi-arid rangelands using rainfall, ground survey and MODIS data. Tropentag, September 17-19, 2014, Prague.
- Hofsommer S, Hülsebusch C, 2013. Does organised Boran cattle breeding increase productivity? A case study on Ol Maisor Ranch, Kenya. Tropentag, September 17-19, 2013, Hohenheim.
- Elias M, Richter U, Hensel O, Hülsebusch C, Kaufmann B, Wasonga O, 2013. Expansion of crop cultivation and its impacts on land cover changes in the Borana Rangeland Southern Ethiopia. Tropentag, September 17-19, 2013, Hohenheim.
- Mwanaima Rajab, Wasonga O, Hülsebusch C, Kaufmann B, 2013. Contribution of wild plants to pastoralists' diet and their conservation threats in Kajiado County, Kenya. Tropentag, September 17-19, 2013, Hohenheim.
- Zhang J, Wasonga O, Hülsebusch C, Kaufmann B, 2013. Use of wild medicinal plant resources and threats to their conservation in Kajiado County, Kenya. Tropentag, September 17-19, 2013, Hohenheim.
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- Richter U, Golicha D, Hülsebusch C, Kaufmann B, 2012. Development of a new low cost long time GPS-device for the recording of grazing itineraries. Tropentag, September 17-19, 2012, Göttingen.
- Golicha DD, Richter U, Kurgat B, Kuria SG, Hülsebusch C, Kaufmann B, 2011. Assessment of decision making in grazing management: The case of Gabra pastoralists of Northern Kenya. Tropentag, October 5-7, 2011, Bonn.
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- Aufderheide M, Voigts C, Hülsebusch C, Kaufmann B, 2011. Working Conditions of Self-employed Pastoralists and Employed Herders on Commercial Ranches in Northern Kenya. Tropentag, October 5-7, 2011, Bonn.
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- Werner M, Diarra L, Hülsebusch C, Kaufmann B, 2010. Securing Food Supply by Adapting Millet Growing to Climate Variability: Decision Making Rules of Fulani Agro-pastoralists in Mopti Region, Mali. Tropentag, September 14-16, 2010, Zürich.
- Levy C, Moyo S, Hülsebusch C, Webster E, Kaufmann A, 2010. Processes of Change: Climate Variability and Agro-pastoralists' Livelihood Strategies in Gaza Province, Mozambique. Tropentag, September 14-16, 2010, Zürich.
- Riedel S, Schiborra A, Hülsebusch C, Schlecht E, 2010. Variation in Reproductive Performance of Sows Kept by Smallholder Farmers in Xishuangbanna, Southern China. Tropentag, September 14-16, 2010, Zürich.
- Dos Santos Neutzling A, Hülsebusch C, Kaufmann B, Schlecht E, 2010. Predicted and True Herd Development over Ten Years by applying a Bio-economic Model to Village Cattle in Southwestern Niger. Tropentag, September 14-16, 2010, Zürich.
- Warui H, Kaufmann B, Hülsebusch C, Piepho HP, Valle Zarate A, 2009. Pastoralists' Perspectives on Multi-functional Role of Small Ruminants in their Production Systems in Arid Areas of Northern Kenya. Tropentag, October 6-8, 2009, Hamburg.
- Satao M, Werner M, Diarra L, Hülsebusch C, Kaufmann B, 2009. Livelihood Strategies and Resource Availability of Agro-pastoralists in Mopti Region, Mali. Tropentag, October 6-8, 2009, Hamburg.

- Meyer M, Schiborra A, Riedel S, Hülsebusch C, Schlecht E, 2009. Impact of Expanding Rubber Cultivation and Increasing Mechanisation on the Buffalo Population in the Nabanhe National Nature Reserve, Yunnan Province, P.R. China. Tropentag, October 6-8, 2009, Hamburg.
- Riedel S, Schiborra A, Brinkmann K, Hülsebusch C, Schlecht E, 2009. Characterisation of Livestock Production Systems in the Naban He National Nature Reserve, Yunnan Province, China. Tropentag, October 6-8, 2009, Hamburg.
- Riedel S, Schiborra A, Hülsebusch C, HuaMing M, Schlecht E, 2009. Reproductive and Growth Performance of the Indigenous Small Ear Pig from Southwestern China. Tropentag, October 6-8, 2009, Hamburg.
- Kaufmann B, Hülsebusch C, 2008. Feedback seminars as a tool to contextualise research findings in low external input systems. Tropentag, October 7-9, 2008, Hohenheim.
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## Editing

- Hülsebusch CG, Wichern F, Hemann H., Wolff P (Eds.), 2007. Organic Agriculture in the Tropics and Subtropics – Current Status and Perspectives, Journal of Agriculture and Rural Development in the Tropics and Subtropics JARTS, Supplement No. 89.
- Tielkes E, Hülsebusch C, Häuser I, Deininger A, Becker K (Eds.), 2005. The Global Food & Product Chain — Dynamics, Innovations, Conflicts, Strategies: international research on food security, natural resource management and rural development; Tropentag 2005 book of abstracts, ISBN: 3-00-017063-4, Universität Hohenheim, Centre for Agriculture in the Tropics and Subtropics, Stuttgart, Germany, 564 p.
- Hülsebusch CG, Kaufmann BA (Eds), 2002. Camel Breeds and Breeding in Northern Kenya - An account of local camel breeds of Northern Kenya and camel breeding management of Turkana, Rendille, Gabra, and Somali pastoralists. Proceedings of a collaborative research project on Camel Breed Differentiation and Pastoral Camel Breeding Strategies within the KARI/EU Agriculture/Livestock Research Support Programme for Kenya (ARSP II; Project No. 6 ACP KE 0161 - KE 6003/001), ISBN 9966-879-43-9, Kenya Agricultural Research Institute, Nairobi - Kenya, XIV + 150 p.