

## Publications

### *Articles in international scientific journals with referee practice*

- Morgan-Davies, C., Waterhouse, A., **Umstatter, C.** 2006. Sustainable hill and upland systems: what do people want the hills to deliver? *International Journal of Biodiversity Science and Management* 2(3), 242-244.
- Umstatter, C.**, Waterhouse, A. and Holland, J.P. 2008. An automated sensor-based method of simple behavioural classification of sheep in extensive systems. *Computers and Electronics in Agriculture* 64, 19-26.
- Umstatter, C.** 2011. The evolution of virtual fences: A review. *Computers and Electronics in Agriculture* 75, 10-22.
- Duncan, A.J., Gunn, G.J., Lewis, F.I., **Umstatter, C.** and Humphry, R.W. 2012. The influence of empirical contact networks on modelling diseases in cattle. *Epidemics* 4, 117– 123.
- Umstatter, C.** Brocklehurst, S., Ross, D.W. and Haskell, M.J. 2013. Can the location of cattle be managed using broadcast audio cues? *Applied Animal Behaviour Science* 147, 34-42.
- Ricci, P., **Umstatter, C.**, Holland, J. P. and Waterhouse, A. 2014. Does diverse grazing behavior of suckler cows have an impact on predicted methane emissions? *Journal of Animal Science* 92(3), 1239-1249.
- Hentz, F., **Umstatter, C.**, Gilaverte, S., Prado, O.R., Silva, C.J.A. and Monteiro, A.L.G. 2014. Electronic bolus design impacts on administration. *Journal of Animal Science* 92(6), 2686-2692.
- Duncan, A.J., Gunn, G.J., **Umstatter, C.** and Humphry, R.W. 2014. Replicating disease spread in empirical cattle networks by adjusting the probability of infection in random networks. *Theoretical Population Biology*. 98, 11-18.
- Umstatter, C.**, Morgan-Davies, J. and Waterhouse, A. 2015. Cattle Responses to a Type of Virtual Fence. *Journal of Rangeland Ecology & Management* 68, 100-107.
- Stevenson, T.J., Visser, M.E., Arnold, W., Barrett, P., Biello, S., Dawson, A., Denlinger, D.L., Dominoni, D., Ebling, F.J., Elton, S., Evans, N., Ferguson, H.M., Foster, R.G., Hau, M., Haydon, D.T., Hazlerigg, D.G., Heideman, P., Hopcraft, J.G., Jonsson, N.N., Kronfeld-Schor, N., Kumar, V., Lincoln, G.A., MacLeod, R., Martin, S.A., Martinez-Bakker, M., Nelson, R.J., Reed, T., Robinson, J.E., Rock, D., Schwartz, W.J., Steffan-Dewenter, I., Tauber, E., Thackeray, S.J., **Umstatter, C.**, Yoshimura, T., Helm, B. 2015. Disrupted seasonal biology impacts health, food security and ecosystems. *Proceedings of the Royal Society B-Biological Sciences*, 282(1817) 20151453. <http://dx.doi.org/10.1098/rspb.2015.1453>.
- Werner, J., **Umstatter, C.**, Zehner, N., Niederhauser, J.J. and Schick, M. 2016. Validation of a sensor-based automatic measurement system for monitoring chewing activity in horses. *Livestock Science* 186, 53-58.
- Misselbrook, T., Fleming, H., Camp, V., **Umstatter, C.**, Duthie, C.-A., Nicoll, L. and Waterhouse, T. 2016. Automated monitoring of urination events from grazing cattle. *Agriculture, Ecosystems & Environment* 230, 191-198.