

Salvedor Gezan

Refereed publications

- Duchelle, A. Cronkleton, P., Kainer, K., Guanacoma, G. and Gezan, S.A. 2011. Resource theft in tropical forest communities: implications for non-timber management, livelihoods, and conservation. *Ecology and Society* 16(1):4. [online] URL: <http://www.ecologyandsociety.org/vol16/iss1/art4/>
- Gezan, S.A., White, T.L. and Huber, D.A. 2010. Accounting for spatial variability in breeding trials: a simulation study. *Agronomy Journal* 102:1562-1571.
- Kehel, Z., Habash, D.Z., Gezan, S.A., Nachit, M.M. and Welham, S.J. 2010. Estimation of spatial trend and automatic model selection in augmented designs. *Agronomy Journal*. 102:1542-1552.
- Weeks, E.N.I., Logan, J.G., Gezan, S.A., Woodcock, C.M., Birkett, M.A., Pickett, J.A. and Cameron, M.M. 2010. A bioassay for studying behavioural responses of the common bed bug, *Cimex lectularius* (Hemiptera: Cimicidae) to bed bug-derived volatiles. *Bulletin of Entomological Research* 1-8. doi:10.1017/S0007485309990599
- Richards, L., Boase, C.J., Gezan, S. and Cameron, M.M. 2009. [Are bed bug infestations on the increase within Greater London? *Journal of Environmental Health Research* 9\(1\):17-24.](#)
- Gezan, S., Moreno, P., and Ortega, A. 2009. Taper models for roble, rauli and coigue second growth forests in Chile. *Bosque* 30, 61-69.
- Logan, J., Seal, N., Cook, J., Stanczyk, N.M., Birkett, M.A., Clark, S.J., Gezan, S.A., Wadhams, L.J., Pickett, J.A., and Mordue, A.J. 2009. Identification of human-derived volatile chemicals that interfere with attraction of the Scottish biting midge and their potential use as repellents. *J Med Entomol* 46, 208-219.
- Wan, Y., Underwood, C., Toole, G., Skeggs, P., Zhu, T., Leverington, M., Griffiths, S., Wheeler, T., Gooding, M., Poole, R., Edwards, K.J., Gezan, S., Welham, S., Snape, J., Mills, E.N., Mitchell, R.A., Shewry, P.R. 2009. A novel transcriptomic approach to identify candidate genes for grain quality traits in wheat. *Plant Biotechnol J* 7, 401-410.
- Webster, B., Gezan, S., Bruce, T., Hardie, J., and Pickett, J. 2009. Between plant and diurnal variation in quantities and ratios of volatile compounds emitted by *Vicia faba* plants. *Phytochemistry*, doi:10.1016/j.phytochem.2009.09.029.
- Cuzick, A., Lee, S. Gezan, S. and Hammond-Kosack K. 2008. NPR1 and EDS11 contribute to host resistance against *Fusarium culmorum* in *Arabidopsis* buds and flowers. *Molecular Plant Pathology* 9(5): 697-704.
- Richter, G.M., Riche, A., Dailey, A.G., Gezan, S. and Powelson, D.S. 2008. Is UK biofuel supply from *Miscanthus* water-limited? *Soil Use and Management* 24(3): 235-245.
- Gezan, S.A., Ortega, A., Andenmatten, E. 2007. Diagramas de manejo de densidad para renovales de Roble, Raulí y Coigüe en Chile [Stocking management charts for Roble, Raulí and Coigüe second growth forests in Chile]. *Revista Bosque* 28(2): 97-105. (In Spanish with English summary).
- Bayram, A., Gultekin, A., Bruce, T., and Gezan, S.A. 2007. Factors associated with mortality of the over wintering generation of *Sesamia nonagrioides* under field conditions. *Phytoparasitica* 35(5):490-506.
- Gezan, S.A., White, T.L. and Huber, D.A. 2006. Comparison of experimental designs for clonal forestry using simulated data. *Forest Science* 52(1):108-116.
- Gezan, S.A., Huber, D.A. and White, T.L. 2006. Post-hoc blocking to improve breeding value prediction. *Can. J. For. Sc.* 36:2141-2147.
- Gezan, S.A., White, T.L. and Huber, D.A. 2006. Achieving higher heritabilities through improved design and analysis of clonal trials. *Can. J. For. Sc.* 36:2148-2156.
- Ortega, A. and Gezan, S. 1998. Growth quantification and quality projection in *Nothofagus*. *Revista Bosque* 19(1):123-126. (In Spanish with English summary).

Non-refereed Publications

- Gezan, S.A., Macalpine, W., Shield, I. and Welham, S. 2009. Controlling for competition in neighbouring field plots in a willow (*Salix* spp.) trial. *Aspects of Applied Biology* 90, 2008. Biomass and Energy Crops III.
- Gezan, S. and Riche, A. 2009. Over-winter yield decline in Switchgrass and *Miscanthus*. *Aspects of Applied Biology* 90, 2008. Biomass and Energy Crops III.
- Riche, A., Gezan, S. and Yates, N. 2009. An empirical model for Switchgrass to predict yield from site and climatic variables. *Aspects of Applied Biology* 90, 2008. Biomass and Energy Crops III.
- Welham, S. and Gezan, S. 2008. Introduction to Multivariate Analysis: Course Notes. Rothamsted Research. 111 p.
- Wan, Y., Mitchell, R., Wheeler, T., Gooding, M., Poole, R., Edwards, K., Mills, C., Skeggs, P., Gezan, S., Welham, S., Shenton, C, Zhu, T. and Shewry, P. 2007. Transcriptome Profiling of Wheat Genotypes Differing in Bread Baking Quality under Different Environments. *Biotechnology and Sustainable Agriculture 2006 and Beyond. Proceedings of the 11th IAPTC&B Congress, August 31-18, 2006. Beijing, China. Eds: Zhihong Xu, Jiayang Li, Yongbiao Xue and Weicai Yang. 289-292 p.*
- Gezan, S., Clark, S, White, R. and Powers, S. 2007. Introduction to Regression: Course Notes. Rothamsted Research. 187p.
- Powers, S., White, R. and Gezan, S. 2007. Basic statistics and introduction to GenStat: Course Notes. Rothamsted Research. 129p.
- Gezan, S. 2006. Generation of Experimental Designs with CycDesingN: Course Notes. Rothamsted Research. 44p. (Revised 2009).
- Gezan, S. 2000. Forestry biomass estimation methodology: recommendations. Internal Document Project FONDEF "Estimation of the carbon capacity capture for forests in Chile and promotion of a world carbon market". 8p. (In Spanish).
- Gezan, S. and Moreno, P. 2000. Site – dominant height curves for Roble, Raulí and Coigue second growth forests. Internal Document Project FONDEF D9711065 "Software Nothofagus". Universidad Austral de Chile. (In Spanish).
- Gezan, S. and Sobarzo, G. 1999. Growth quantification and quality projection for Nothofagus second growth forests (II part). *Revista Chile Forestal* 272: 39-42. (In Spanish).
- Gezan, S. and Moreno, P. 1999. Establishment and measurement of a permanent plot net for Roble (*Nothofagus obliqua*), Raulí (*Nothofagus alpina*) and Coigue (*Nothofagus dombeyi*) second growth forests. *Revista Bosque Nativo* 22:9-11. (In Spanish).
- Bown, H. and Gezan, S. 1998. Multiple use implementation and sustainable use of forestry resources through strategic planning models. In: First IUFRO Latinoamerican Congress, The sustainable management of forestry resources. A challenge for the XXI century. Valdivia – Chile. (In Spanish).
- Trincado, G. and Gezan, S. 1998. Construction of a yield model for Roble (*Nothofagus obliqua*). Internal Document Project FONDEF D9711065 "Software Nothofagus". Universidad Austral de Chile. (In Spanish).
- Gezan, S. 1997. Vegetative propagation through cuttings for *Pinus radiata*. Technical Report CEFOR, Universidad Austral de Chile, Valdivia. 29 p. (In Spanish).
- Gezan, S. 1997. Pruned logs evaluation: capabilities and sampling description. Technical Report CEFOR, Universidad Austral de Chile, Valdivia. 16 p. and annex. (In Spanish)
- Ortega, A. and Gezan, S. (Eds). Modelling growth of fast-grown tree species. Proceedings IUFRO Conference. September 5-7, 1997, Valdivia, Chile. 309 p.

Book Chapters

- Gezan, S. and Torres, J. 1999. Methodology for breeding value determination. In: *Apuntes N° 1. Curso Mejora Genética Forestal Operativa*. 16-21 noviembre. Valdivia, Chile. 311-340 p. (In Spanish).
- Torres, J. and Gezan, S. 1999. Selection Index. In: *Apuntes N° 1. Curso Mejora Genética Forestal Operativa*. 16-21 Noviembre. Valdivia, Chile. 341-358 p. (In Spanish)