

Publications for the year 2007

Publications are classified in the following manner:

- J Papers describing original research in refereed journals.
- R Critical reviews in journals, book chapters and reviews in books – providing each has been edited externally.
- P Published proceedings of contributions to conferences or learned societies (including published abstracts).
- T Technical reports, other publications.
- O Popular articles, other publications.

Adam, M.A.M., Phillips, M.S. & Blok, V.C. 2007. Molecular diagnostic key for identification of single juveniles of seven common and economically important species of root-knot nematode (*Meloidogyne* spp.). *Plant Pathology* **56**, 190–197. J

Allcroft, D.J., Glasbey, C.A. & Paulo, M.J. 2007. A latent Gaussian model for multivariate consumption data. *Food Quality and Preference* **18**, 508–516. J

Andersen, H.S., Gambling, L., Holtrop, G. & McArdle, H.J. 2007. Effect of dietary copper deficiency on iron metabolism in the pregnant rat. *British Journal of Nutrition* **97**, 239–246. J

Andersen, M.N., Sausse, C., Lacroix, B., Caul, S. & Messéan, A. 2007. Agricultural studies of GM maize and the field experimental infrastructure of ECOGEN. *Pedobiologia* **51**, 175–184. J

Andrews, M., Maule, H.G., Raven, J.A. & Mistry, A. 2005. Extension growth of *Impatiens glandulifera* at low irradiance: importance of nitrate and potassium accumulation. *Annals of Botany* **95**, 641–648. J

Andrews, M., Raven, J.A., Lea, P.J. & Sprent, J.I. 2006. A role for shoot protein in shoot–root dry matter allocation in higher plants. *Annals of Botany* **97**, 3–10. J

Andrews, M., Scholefield, D., Abberton, M.T., McKenzie, B.A., Hodge, S. & Raven, J.A. 2007. Use of white clover as an alternative to nitrogen fertiliser for dairy pastures in nitrate vulnerable zones in the UK: productivity, environment impact and economic considerations. *Annals of Applied Biology* **151**, 11–23. J

Anthony, J.-P., Fyfe, L., Stewart, D., McDougall, G.J. & Smith, H.V. 2007. The effect of blueberry extracts on *Giardia duodenalis* viability and spontaneous excystation of *Cryptosporidium parvum* oocysts, *in vitro*. *Methods* **42**, 339–348. J

Archer, N.A.L. & Jones, H.G. 2006. Integrating hyperspectral imagery at different scales to estimate component surface temperatures. *International Journal of Remote Sensing* **27**, 2141–2159. J

Armstrong, M.R., Gilroy, E.M. & Birch, P.R.J. 2006. Gene signalling in the *Phytophthora infestans*–potato interaction. *Oomycete Molecular Genetics Network*, Wageningen, 4–7 May 2006. P

Armstrong, M.R., Husmeier, D., Phillips, M.S. & Blok, V.C. 2007. Segregation and recombination of a multipartite mitochondrial DNA in populations of the potato cyst nematode *Globodera pallida*. *Journal of Molecular Evolution* **64**, 689–701. J

Augustin, N.H., McNicol, J.W. & Marriott, C.A. 2006. Using the truncated auto-Poisson model for spatially correlated

counts of vegetation. *Journal of Agricultural Biological and Environmental Statistics* **11**, 1–23. J

Avrova, A.O., Boevink, P., Grenville-Briggs, L.J., van West, P., Birch, P.R.J. & Whisson, S.C. 2007. Identification of novel pathogenicity factors in the late blight pathogen, *Phytophthora infestans*. *XIII International Congress on Molecular Plant–Microbe Interactions*, Sorrento, Italy, 22–26 July 2007. P

Avrova, A.O., Whisson, S.C., Pritchard, L., Venter, E., de Luca, S., Hein, I. & Birch, P.R.J. 2007. A novel, non-protein-coding infection-specific gene family is clustered throughout the genome of *Phytophthora infestans*. *Microbiology* **153**, 747–759. J

Baumann, U., Caldo, R., Langridge, P., Mayo, G., Schreiber, A.W., Sutton, T., Waugh, R. & Wise, R. 2006. Results from the wheat reference experiment: similarities and differences of the transcriptomes of wheat and barley. *8th International Congress on Plant Molecular Biology*, Adelaide, Australia, 20–25 August 2006. P

Beardall, J., Roberts, S. & Raven, J.A. 2005. Regulation of inorganic carbon acquisition by phosphorus limitation in the green alga *Chorella emersonii*. *Canadian Journal of Botany – Review Canadienne de Botanique* **83**, 859–864. J

Beerling, D.J., Hewitt, C.N., Pyle, J.A. & Raven, J.A. 2007. Critical issues in trace gas biogeochemistry and global change. *Philosophical Transactions of the Royal Society A – Mathematical Physical and Engineering Sciences* **365**, 1629–1642. J

Begg, G.S., Cullen, D.W., Iannetta, P.P.M. & Squire, G.R. 2007. Sources of uncertainty in the quantification of genetically modified oilseed rape contamination in seed lots. *Transgenic Research* **16**, 51–63. J

Begg, G.S., Elliott, M.J., Iannetta, P.P.M., Cullen, D.W., Young, M.W. & Squire, G.R. 2007. Localised heterogeneity, gene flow and the persistence of transgenes from genetically modified oilseed rape. *Third International Conference on Coexistence Between Genetically Modified (GM) and Non-GM based Agricultural Supply Chains*, Seville, Spain, 20–21 November 2007. P

Begg, G.S., Hockaday, S., McNicol, J.W., Askew, M. & Squire, G.R. 2006. Modelling the persistence of volunteer oilseed rape (*Brassica napus*). *Ecological Modelling* **198**, 195–207. J

Bengough, A.G., Roberts, T.J., Wuyts, N., Hans, J., McKenna, S.J., Valentine, T.A., Bransby, M.F., Dupuy, L. & Haseloff, J. 2007. Computer visualisation and modelling of plant morphogenesis: Motion analysis of time-lapse confocal microscopy images. *BBSRC Joint Bioinformatics and e-Science, Proteomics and Cell Function Grantholders Workshop*, Cheshire, England, 8–10 January 2007. P



- Berger, D.K., Crampton, B.G., Hein, I. & Vos, W.** 2007. Screening cDNA libraries on glass slide microarrays. In *Microarrays Volume II, Applications and Data Analysis*, Second Edition. Humana Press, Totowa, NJ, USA, 177–204.
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- Bevan, M. & Waugh, R.** 2007. Applying plant genomics to crop improvement. *Genome Biology* **8**, 302–302. J
- Birch, A.N.E., Gordon, S.C., Brennan, R.M., Jennings, S.N. & Mitchell, C.** 2007. Breeding for durable resistance to the large raspberry aphid, *Amphorophora idaei*, in field and protected raspberry plantations: Co-evolution and IPM. *IOBC Working Group: Integrated Plant Protection in Fruit Crops, subgroup, 'Soft Fruits'*, East Malling Research, 24–25 September 2007. P
- Birch, A.N.E., Gordon, S.C., Mitchell, C., Shepherd, T., Griffiths, D.W., Robertson, G. & Brennan, R.M.** 2007. Development of semiochemical attractants, lures and traps for raspberry beetle, *Byturus tomentosus* at SCRI – from fundamental chemical ecology to testing IPM tools with growers. *IOBC Working Group: Integrated Plant Protection in Fruit Crops, Subgroup, 'Soft Fruits'*, East Malling Research, 24–25 September 2007. P
- Birch, A.N.E., Griffiths, B.S., Caul, S., Thompson, J., Heckmann, L.H., Krogh, P.H. & Cortet, J.** 2007. The role of laboratory, glasshouse and field scale experiments in understanding the interactions between genetically modified crops and soil ecosystems: A review of the ECOGEN project. *Pedobiologia* **51**, 251–260. J
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- Boevink, P., Wright, K.M., Chapman, S. & Oparka, K.J.** 2005. Tools for protein tracking. *Plant Sciences Seminar and Workshop; Applications for Fluorescence Microscopy*, Rothamsted Research, Harpenden, UK 11–15 April 2005. P
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