

Publications

Publications listed between 1 October 2008 and 31 September 2009 are classified in the following manner:

- J Papers describing original research in refereed journals.
- R Books, 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)
- O Popular articles and unrefereed publications

Aalders, I., Hough, R.L., Towers, W., Black, H.I.J., Ball, B.C., Griffiths, B.S., Hopkins, D.W., Lilly, A., McKenzie, B.M., Rees, R.M., Sinclair, A. & Campbell, C.D. 2009. Considerations for Scottish soil monitoring in the European context. *European Journal of Soil Science* **60**, 833-843. <http://dx.doi.org/10.1111/j.1365-2389.2009.01183.x> J

Abecia, L., Balcells, J., Fondevila, M., Belenguer, A., Holtrop, G. & Lobley, G.E. 2008. Contribution of gut microbial lysine to liver and milk amino acids in lactating does. *British Journal of Nutrition* **100**, 977-983. <http://dx.doi.org/10.1017/S0007114508957986> J

Adam, M.A.M., Phillips, M.S., Tzortzakakis, M. & Blok, V.C. 2009. Characterisation of *mjap* genes encoding novel secreted proteins from the root-knot nematode, *Meloidogyne javanica*. *Nematology* **11**, 253-265. <http://dx.doi.org/10.1163/156854109X429583> J

Al-Mrabeh, A., Ziegler, A., Cowan, G.H. & Torrance, L. 2009. A fully recombinant ELISA using in vivo biotinylated antibody fragments for the detection of *Potato leaf roll virus*. *Journal of Virological Methods* **159**, 200-205. <http://dx.doi.org/10.1016/j.jviromet.2009.03.025> J

Andrews, J., Lynn, J., Parsons, N., Ryder, C., White, P.J. & Thompson, A.J. 2008. Genetic analysis of root traits for water capture in the genus *Solanum*. *Association of Applied Biologists, Resource Capture by Crops: Integrated Approaches*, Sutton Bonington, UK, 10-12 September 2008 (Poster). P

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Antunez-Lamas, M., Cabrera, E., Lopez-Solanilla, E., Solano, R., Gonzalez-Melendi, P., Chico, J.M., Toth, I.K., Birch, P.R.J., Pritchard, L., Liu, H. & Rodriguez-Palenzuela, P. 2009. Bacterial chemoattraction towards jasmonate plays a role in the entry of *Dickeya dadantii* through wounded tissues. *Molecular Microbiology* **74**, 662-671. <http://dx.doi.org/10.1111/j.1365-2958.2009.06888.x> J

Ashman, M.R., Hallett, P.D., Brookes, P.C. & Allen, J. 2009. Evaluating soil stabilisation by biological processes using step-wise aggregate fractionation. *Soil and Tillage Research* **102**, 209-215. <http://dx.doi.org/10.1016/j.still.2008.07.005> J

Askarianzadeh, A., Birch, A.N.E., Ramsay, G. & Minaeimoghadam, M. 2009. Study of wild *Solanum* species to identify sources of resistance against the green potato aphid, *Myzus persicae*. *Plant Protection and Plant Health in Europe*, Berlin, Germany, 14-16 May 2009. P

Avrova, A.O., Boevink, P.C., Young, V., Grenville-Briggs, L.J., van West, P., Birch, P.R.J. & Whisson, S.C. 2008. A novel *Phytophthora infestans* haustorium-specific membrane protein is required for infection of potato. *Cellular Microbiology* **10**, 2271-2284. <http://dx.doi.org/10.1111/j.1462-5822.2008.01206.x> J

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Baggaley, N.J., Langan, S.J., Fitter, M.N., Potts, J.M. & Dunn, S.M. 2009. Long-term trends in hydro-climatology of a major Scottish mountain river. *Science of the Total Environment* **407**, 4633-4641. <http://dx.doi.org/10.1016/j.scitotenv.2009.04.015> J

Bahar, B., Moloney, A.P., Monahan, F.J., Harrison, S.M., Zazzo, A., Scrimgeour, C.M., Begley, I.S. & Schmidt, O. 2009. Turnover of carbon, nitrogen and sulfur in bovine longissimus dorsi and psoas major muscles: Implications for isotopic authentication of meat. *Journal of Animal Science* **87**, 905-913. <http://dx.doi.org/10.2527/jas.2008-1360> J

Barker, H., McGeachy, K.D., Toplak, N., Gruden, K., Žel, J. & Browning, I. 2009. Comparison of genome sequence of PVY isolates with biological properties. *American Journal of Potato Research* **86**, 227-238. <http://dx.doi.org/10.1007/s12230-009-9076-0> J

Barnett, C.M., Bengough, A.G. & McKenzie, B.M. 2009. Quantitative image analysis of earthworm-mediated soil displacement. *Biology and Fertility of Soils* **45**, 821-828. <http://dx.doi.org/10.1007/s00374-009-0392-9> J

Barré, P. & Hallett, P.D. 2009. Rheological stabilisation of wet soils by model root and fungal exudates depends on clay mineralogy. *European Journal of Soil Science* **60**, 525-538. <http://dx.doi.org/10.1111/j.1365-2389.2009.01151.x> J

Barré, P., McKenzie, B.M. & Hallett, P.D. 2009. Earthworms bring compacted and loose soils to a similar mechanical state. *Soil Biology and Biochemistry* **41**, 656-658. <http://dx.doi.org/10.1016/j.soilbio.2008.12.015> J

- Bartley, P.M., Wright, S.E., Maley, S.W., Buxton, D., Nath, M. & Innes, E.A.** 2009. The development of immune responses in Balb/c mice following inoculation with attenuated or virulent *Neospora caninum* tachyzoites. *Parasite Immunology* **31**, 392-401. <http://dx.doi.org/10.1111/j.1365-3024.2009.01115.x> J
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- Bengough, A.G.** 2009. Scaling root growth responses from seedlings to field. *Society for Experimental Biology Annual Main Meeting*, Glasgow, UK, 28 June-1 July 2009. P
- Bengough, A.G., Valentine, T.A., McKenzie, B.M., Hallett, P.D., Dietrich, R., White, P.J. & Jones, H.G.** 2009. Physical limitations to root growth: screening, scaling and reality. *7th International Symposium of the Society for Root Research: Root Research and Applications*, Vienna, Austria, 2-4 September 2009 (Abstract). P
- Berry, P. & White, P.J.** 2008. Components of variation in nitrogen use efficiency in *B. napus*. *Oilseed Rape Genetic Improvement Network (OREGIN) 6th Stakeholder Forum Meeting on "Assessing low input systems for breeding and trialling - the N and P economy"*, NIAB, Cambridge, UK, 21 November 2008 (Talk). P
- Berry, P., Foulkes, J., White, P.J., Spink, J. & Teakle, G.** 2008. Breeding for improved nitrogen use efficiency in oilseed rape. *Association of Applied Biologists, Resource Capture by Crops: Integrated Approaches*, Sutton Bonington, UK, 10-12 September 2008 (Talk). P
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- Birch, A.N.E.** 2009. Innovative trap for raspberry growers. *The Fruit Grower* April 2009, 33-34. O
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