

Liste des Publications

- Nunan N., Daniell T.J., Singh B.K., Papert A., McNicol J.W. and Prosser J.I. Links between plant and rhizoplane bacterial communities in grassland soils characterized using molecular techniques. *Applied and Environmental Microbiology* (sous presse)
- Nunan N., Ritz K., Rivers, M. et Young I. M. Visualisation and quantification of the three-dimensional microstructure of soil – a spatial analysis using X-ray computed tomography. *Geoderma* (acceptée)
- Nunan N., Singh B., Reid E., Ord B., Papert A., Squires J., Prosser J. I., Wheatley R., McNicol J.W., Millard P. Sheep-urine-induced changes in soil microbial community structure. *FEMS Microbiology Ecology* (acceptée)
- Bruneau P., Davidson D., Grieve I., Young I. et Nunan N. (2005) The impact of meso- and macro-fauna on bacterial distribution in the surface horizons of an upland grassland soil. *FEMS Microbiology Ecology*, **52**, 139-144.
- Lehesranta S. J., Davies H. V., Shepherd L. V. T., Nunan N., McNicol J.W., Auriola S., Koistinen K.M., Suomalainen S., Kokko H. I., Kärenlampi S. O. (2005) Comparison of tuber proteomes of potato (*Solanum* sp.) varieties, landraces and genetically modified lines. *Plant Physiology*, **138**, 1690-1699.
- Wu K., Nunan N., Crawford J., Young I.M. et Ritz K. (2004) An efficient Markov Chain model for the simulation of heterogeneous soil structure. *Soil Science Society of America Journal*, **68**, 346-351.
- Hallett P.D., Nunan N., Douglas J. et Young I.M. (2004) Soil water transport measurements are highly heterogeneous at millimetre resolution. *Soil Science Society of America Journal*, **68**, 352-358.
- Ritz K., McNicol J.W., Nunan N., Grayston S., Millard P., Atkinson D., Gollotte A., Habeshaw D., Boag B., Clegg C.D., Griffiths B.S., Wheatley R.E., Glover L.A., McCaig A.E. et Prosser J.L. (2004) Spatial structure in soil chemical and microbiological properties in an upland grassland. *FEMS Microbiology Ecology*, **49**, 191-205.
- Nunan N., Ritz K., Wu K., Young I. M. et Crawford J. (2003) Spatial distribution of bacterial communities and their relationships with the micro-architecture of soil *FEMS Microbiology Ecology* **44**, 203 – 215.
- Nunan N., Ritz K., Wu K., Young I. M. et Crawford J (2002) *In situ* spatial patterns of soil bacterial populations, mapped at multiple scales, in an arable soil. *Microbial Ecology*, **44**, 296-305.
- Nunan N., Ritz K., Crabb D., Wu K., Harris K., Young I. M. et Crawford J. (2001) Quantification of the *in situ* distribution of soil bacteria by large-scale imaging of thin sections of undisturbed soil. *FEMS Microbiology Ecology*, **37**, 67-77.
- Farrell, E.P., Aherne, J., Boyle, G.M. et Nunan, N., (2001). Long-term monitoring of atmospheric deposition and the implications of ionic inputs for the sustainability of a coniferous forest ecosystem. *Water, Air & Soil Pollution*, **130:3**, 1055–1060.
- Nunan N., Morgan M. A., Brennan D. et Herlihy M. (2001) Organic matter extracted with 0.01M CaCl₂ or with 0.01M NaHCO₃ as indices of N mineralisation and microbial biomass. *Biology & Fertility of Soils*, **34**, 433-440.
- Nunan N., Morgan M. A., Scott J. et Herlihy (2000) Temporal changes in nitrogen mineralisation, microbial biomass, respiration and protease activity in a clay loam soil under ambient temperature. *Biology & Environment*, **100B**, 107-114.
- Nunan N., Morgan M. A. et Herlihy M. (1998) Ultraviolet absorbance (280nm) of compounds released from soil during chloroform fumigation as an estimate of the microbial biomass. *Soil Biology & Biochemistry*, **30**, 1599-1603.