

Laboratorio di Chimica e Biochimica del Suolo

Pubblicazioni più significative degli ultimi tre anni (2006-2008):

1. Lagomarsino A., Moscatelli M.C., De Angelis P., Grego S. (2006). Labile C substrates quality as the main driving force of carbon mineralization in a poplar plantation soil under elevated CO₂. *Science of the Total Environment*, 372: 256-265.
2. Corradini D., Grego S., Liburdi K., Marinari S. Tonci M. (2006). Soxhlet Extraction and Gradient RO-LC for the Fingerprinting of Soil Organic Matter According to Hydrophobicity. *Chromatographia* 63: S11-S16.
3. Marinari S., Mancinelli R., Campiglia E., Grego S.. (2006). Chemical and biological indicators of soil quality in organic and conventional farming systems in Central Italy. *Ecological Indicators* 6: 701-711.
4. Calfapietra C., De Angelis P., Gielen B., Lukac M., Moscatelli M. C., Avino G., Lagomarsino A., Polle A., Ceulemans R., Scarascia Mugnozza G., Hoosbeek M. R, Cotrufo M. F. (2007). Nitrogen use efficiency of a short-rotation poplar plantation is increased under elevated CO₂, *Tree physiology*, 27: 1153-1163.
5. Lagomarsino A., Knapp B.A., Moscatelli M.C., De Angelis P., Grego S., Insam H. (2007). Structural and functional diversity of soil microbes is affected by elevated CO₂ and N addition in a poplar plantation. *Journal of soils and sediments*, 7 (6) 11A, 399-405.
6. Moscatelli M.C., Di Tizio A., Marinari S., Grego S. (2007). Microbial indicators related to soil carbon in Mediterranean land use systems. *Soil and Tillage Research*, 97: 51-59.
7. Marinari S., Liburdi K., Masciandaro G, Ceccanti B., Grego S. (2007) Humification-mineralization pyrolytic indices and carbon fractions of soil under organic and conventional management in central Italy. *Soil Tillage and Research* 92: 10-17.
8. Marinari S., Masciandaro G. , Ceccanti B. , Grego S. (2007). Evolution of soil organic matter changes using the pyrolysis technique and metabolic indices: a comparison between organic and mineral fertilizations. *Bioresource Thecnology*, 98: 2495-2502.
9. Marinari S., Calfapietra C., De Angelis P., Scarascia Mugnozza G. and Grego S. (2007). Foliar nutrients in a fertilized short rotation poplar plantation growing in a Free Air CO₂ Enriched atmosphere (FACE). *Environmental Pollution*, 147: 507- 515.
10. Sampedro I., Marinari S., D'Annibale A., Grego S., Ocampo J.A., Garcí'a-Romeraa I. (2007). Organic matter evolution and partial detoxification in two-phase olive mill waste colonized by white-rot fungi. *International Biodeterioration & Biodegradation*, 60: 116-125.
11. Moscatelli M.C., Lagomarsino A., De Angelis P., Grego S. (2008). Short- and medium-term contrasting effects of nitrogen fertilization on C and N cycling in a poplar plantation soil. *Forest Ecology and Management*, 255: 447-454.
12. Lagomarsino A., Moscatelli M. C., Hoosbeek M., De Angelis P., Grego S. (2008). Assessment of soil nitrogen and phosphorous availability under elevated CO₂ and N-

fertilization in a short rotation poplar plantation. *Plant and Soil*, in stampa.

13. Marinari S., Masciandaro G. Ceccanti B., Grego S. (2008). Kinetics of acid phosphatase in calcium chloride extractable soil organic matter. *Soil Biology and Biochemistry*, in stampa.
14. Marinari S. e Caporali F. (eds) – Soil Carbon Sequestration Under Organic Farming in Mediterranean Environment, 2008: ISBN: 978-81-7895-327-4.
<http://www.researchgate.net/publication/228211111>