



## Curriculum Vitae of Bischetti Gian Battista

### Photo



### Education

Degree in Agricultural Science and Technology - Università degli Studi di Milano PhD in Agricultural Engineering - Università degli Studi di Milano

### Professional experiences

Associated Professor of Agricultural Hydraulics and torrent control from 2002  
Researcher at the presso Agricultural Hydraulics Institute of Università degli Studi di Milano, from December 1994 to 2002  
Fellowship of Fondazione Lombardia per l'Ambiente in 1994.

### Research fields

- a) Torrent control and slope stabilisation
- b) Soil bioengineering;
- c) Quantification of root reinforcement to slope stability;
- d) Effect of riparian vegetation on hydraulic roughness;
- e) Forest roads design and prevention of slope degradation
- f) Geomorphological characteristics of steep forested streams;
- g) Stream restoration in rural and forest watercourses.



### Most significant publications

- Gandolfi, C., Bischetti, G.B., Whelan, M.J. (1999) A simple triangular approximation of the area function for the calculation of network hydrological response, *Hydrological Processes*, 13, 2639-2653.
- Bischetti, G.B., Chiaradia, E.A., Simonato, T., Speziali, B., Vitali, B., Vullo, P., Zocco, A. (2005) Root strength and root area ratio of forest species in Lombardy (Northern Italy), *Plant and Soil*, volume 278, issue 1-2, 11-22
- Mattia, C., Bischetti, G.B., Gentile, F. (2005) Biotechnical characteristics of root systems of typical Mediterranean species, *Plant and Soil*, 278, issue 1-2, 23-32
- Bischetti, G.B., Chiaradia, E.A., Epis, T., Morlotti, E. (2009) Root cohesion of forest species in the Italian Alps, *Plant and Soil*, 10.1007/s11104-009-9941-0
- Bischetti, G.B., Chiaradia, E.A., D'Agostino, V., Simonato, T. (2009) Quantifying the effect of brush layering on slope stability, *Ecol. Eng.* doi:10.1016/j.ecoleng.2009.03.019