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UNESCO codes: 310301 - 310205
Keywords: Evapotranspiration, Irrigation, Olive, Fruit trees, Carbon balance
PhD Environm. Engineering, Universidad de Córdoba, 2003

40 JCR articles, of which: 37 in Q1 (95%) and 2 in Q2 (5%). Total citations: 1095
h-index: 17
i10-index: 21
1 PhD. Thesis directed (Sobresaliente Cum Laude). One MS thesis directed (10/10)

Languages (Read, Written, Spoken; E=excellent, G=good, N=normal):
English (E,E,E); Italian (E,E,E); Spanish(E,E,E); French (E,N,G); Portuguese (G,N.N).

CV SUMMARY
Graduated at University of Bologna (Italy) he obtained a grant (from the Italian government) at the University of Cordoba. Ph.D. in environmental engineering, thesis on measuring and modelling olive water use and irrigation requirements, published as 5 ISI JCR papers. By using an olive water use model developed with other colleagues he published a method for the calculation of the crop coefficient of any olive orchard of any age and planting density, which is being used by the regional government of Andalusia to adjust the irrigation water allocation for the olive sector.
He obtained the first evapotranspiration dataset with eddy covariance technique on olive groves. Actually he is developing OLIVECAN, a crop model for the simulation of olive farming, together with IAS-CSIC and UCO scientists; He accomplished eddy covariance measurements of net carbon exchange and soil CO_2 efflux in growing and hedgerow olive orchards core of the model calibration. Designer of various types of gas exchange chambers and a complete sap-flow system for the measurement of tree transpiration. A recent line of research deals with modelling transpiration under water stress, using Soil-Plant-Atmosphere Continuum approaches (targeted to olive and almond at the moment).