Dr. Gemini Delle Vedove

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# Research activity

My research topics are : GHG balance and SOM balance in different ecosystems using micrometeorological techniques, stock changes and modelling approaches. The agro-ecosystem is the main research area and the sustainable agricultural production is a main research focus. The research activity was applied in studying options to mitigate/adapt climate changes related to GHG increase. In particular the recent research topics were: conservation agriculture, the use of Biochar in agricultural soils, the effect of fertilization , the effect of crop albedo manipulation.

I participated or lead 11 research programs (6 of them founded by italian institutions and the others by EC projects). The most relevant results of these projects were the quantification of the soil organic C balance in Italian agricultural ecosystems, as affected by the crop rotation and the intensity of soil tillage. The research activity has recently been enriched with demonstrative and dissemination activities of good agricultural practices such as: conservative agriculture and the application of Biochar to soils. I participated in the design of some agro-environmental measures of the Regione Friuli Venezia Giulia (RFVG) Rural Development Program and in committees of the same RFVG.

I authored 60 publications (18 of them are in Scopus with h-index=10 ).

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