

CONSULTANTS

Agriculture

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Senior researcher at the University of Udine, specialised in different aspects of agricultural practice related to nitrogen fertilisation and its interaction with water availability

She worked on water and nitrogen management optimisation, studying the effects of water availability and soil fertility on N uptake and water use efficiency, and on N effect on growth, yield and quality. She carried out researches on gas exchange in crop and flower species. She worked on methods for an early diagnosis of crop nutrient status, N balance in the soil; role of fertilisation and other agronomic practices on yield and quality in vegetable crops for fresh consumption and post-harvest forcing. Particular interest was placed on product quality, on the quality of the productive itinerary and in the utilisation of compost and Biochar for vegetable crops. Recently she focused on conservation agriculture, working in semi-controlled environments (lysimeters studies) and concentrating on vegetable crops rotation systems. In the last 3 years she has cooperated with African countries: Sudan in 2013 with the Sudin Onlus, in Bahr Gel near Rumbeck, working in a technical school. The main focus was water distribution and vegetable quantity and quality. In 2014 most of the work was concentrated in Ethiopia, Emdibir in Gurage, South west of Addis Abeba, collaborating with St Antony College school, where we empowered the water distribution section of the school and of the nearby School Farm. In recent February 2015 at St. Antony College of Emdibir she continued with the work of installing the water distribution device, thereby extending the cultivated area to wider areas of the Eparchy in Ethiopia, besides tutoring the professional agronomist on the technical instructions to grant the functioning.