

Curriculum vitae of
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Doctor of Philosophy in Agricultural Mechanization with the following thesis: “Study and development of innovative technologies for small and medium companies for the use of renewable energy sources. Member of the Italian Association of Agricultural Engineers which is part of the European Society of Agricultural Engineers (EurAgEng), of the International Commission of Agricultural Engineering (CIGR), of the Italian Association of Scientific Agricultural Societies (AISSA) for the 3rd edition on “Mechanization and technologies for agriculture” and for the 5th edition on “Ergonomics and work organization. Master in unconventional renewable energy at University of Milano. The items are involved in the biomasses analysis and in the characterization of the physical-chemical properties of different biomaterials (hazelnut, chestnut, etc.) using both experimental and computational tools. He is involved in international projects about the gasification processes for electric energy production by biomass sources. He is also developing national projects on the small-scale mechanization in agriculture for sloped fields, focusing on the safety improvement of workers.

Other activities are:

- risks evaluation on the workplace in the agricultural and forestry sector, particularly noise, vibration, inorganic dusts, microclimate, low back pain risks evaluation with NIOSH index and Work Related Muscle Skeletal Diseases (WMSDs) evaluation with OCRA index.
- Microclimate, acclimation evaluation on the workplace.
- Mechanization of several cultures (tomatoes, potatoes, hazelnut, chestnut, ecc.).
- The possible of application of a compact roll over protective structure for agricultural “wheeled narrow track” tractors.