



KEY-WORDS:
PLANT STRESS PHYSIOLOGY,
AGRONOMY, BIOENERGY CROPS.

PROFILE

I am a second-year PhD student in Agronomy specialized in Plant stress physiology (metals, drought and flooding stress), bioenergy crops. Thanks to several international experiences (Europe and Oman).

AFFILIATION

Department of Sustainable Crop Production, Università Cattolica del Sacro Cuore, Via Emilia, Parmense 84, Italy.

LANGUAGES



Mother language



Academic language

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PROJECT TITLE

Valorization of fibres from nettle grown on marginal lands in an agro-forestry cropping system

Steps of the research

- Monitoring impacts on soil functioning and crop productivity on the implemented sites.
- Testing biological, organic amendments and nettle cultivar.
- Impact of the co-cropping on plant productivity and ecophysiology and on soil quality.

Research Contribution

When validated, this information would help us to utilize the marginal land (land which is not suitable for growing edible crops) for the benefit of human being. Especially the nettle (*Urtica dioica*) plant help in the industries purpose such as fibres production and some medicinal use of nettle.

Collaborations

- **Professor Paul Bardos**, Managing Director r3 environmental technology limited, Whiteknights, Earley Gate, Reading, RG6 6AT, UK.
- **Dr. Hans-Jörg Gusovius**, Leibniz Institute for Agricultural Engineering and Bioeconomy, Germany.
- **Dr. Markus Puschenreiter**, Institute of Soil Science BOKU-University of Natural Resources and Life Sciences Vienna, Austria

Why should you care?

Land is a scarce resource. There is a perceived land-use conflict between the needs of food production and non-food production. there are a lot of marginal land which is unable to grow the edible crops. So by utilizing these marginal land we can take advantages for the benefit of human beings.