

COMBAR for ECI

Name of ECI: Dr. Michela Maestrini DVM, PhD student

Institution: Department of Veterinary Sciences, University of Pisa

Country: Italy

Who I am:

I am a PhD student in parasitology and parasitic diseases at the Department of Veterinary Sciences of the University of Pisa.

My research project:

The topic of my research project is the evaluation of alternative approaches for the control of gastrointestinal nematodes of domestic ruminants and equids. The topic of my PhD project is strongly related to COMBAR (Innovative, sustainable control methods).

Below are reported my scientific publications:

Maestrini M, Tava A, Mancini S, Salari F, Perrucci S. *In Vitro* Anthelmintic Activity of Saponins Derived from *Medicago* spp. Plants against Donkey Gastrointestinal Nematodes. *Vet Sci.* 2019 Mar 29;6(2):35. doi: 10.3390/vetsci6020035.

Michela Maestrini, Aldo Tava, Simone Mancini, Dorian Tedesco, Stefania Perrucci. *In Vitro* Anthelmintic Activity of Saponins From *Medicago* Spp. Against Sheep Gastrointestinal Nematodes. *Molecules* 2020 Jan 7;25(2):242. doi: 10.3390/molecules25020242.

Maestrini M, Nardoni S, Mancianti F, Mancini S, Perrucci S. *In Vitro* Inhibiting Effects of Three Fungal Species on Eggs of Donkey Gastrointestinal Strongyles. *Vet Sci.* 2020 Apr 25;7(2):E53. doi: 10.3390/vetsci7020053.

Coppola F, Maestrini M, Berrilli F, Procesi IG, Felicioli A, Perrucci S. First report of *Giardia duodenalis* infection in the crested porcupine (*Hystrix cristata* L., 1758). *Int J Parasitol Parasites Wildl.* 2020;11:108-113. doi: 10.1016/j.ijppaw.2020.01.006

Caterina Gianfaldoni, Giulia Barlozzari, Simone Mancini, Elisabetta Di Domenico, Michela Maestrini, Stefania Perrucci. Parasitological investigation in an organic dairy donkey farm. *Large Animal Review* 2020; 26: 25-30.

My plans or ambitions for after my project/COMBAR:

My ambition is to find a practical application of at least one of the method resulted effective *in vitro*. Moreover, I would like to inform breeders about available tools and guidelines to combat the onset of anthelmintic resistance and to effectively control gastrointestinal nematodes.