

COMBAR for ECI

Name of ECI: Mahmut Sinan Erez, DVM, PhD Student (T: @sinanerez)

Institution: Faculty of Veterinary Medicine, Afyon Kocatepe University;
IBAHCM, Glasgow University

Country: Turkey



Who I am:

I am PhD student and research assistant in the Department of Parasitology, Faculty of Veterinary Medicine, Afyon Kocatepe University and postgraduate research student at the Institute of Biodiversity, Animal Health & Comparative Medicine, University of Glasgow.

My research project:

My PhD project is "Population Genetics and Detection of Anthelmintic Resistance of Gastro-Intestinal Nematode Species in Small Ruminants In Turkey". In Turkey, the lack of research using molecular methods to determine anthelmintic resistance is limited. Determination of anthelmintic resistance, which is estimated to cause major economic losses especially in the sheep farming sector, is very important in terms of developing sustainable drug use strategies and raising awareness of veterinarians in this regard. With the results of this current study, a significant contribution will be made to the literature on the status of anthelmintic resistance in Turkey and new drug use strategies. The study, therefore, has importance both in terms of animal health and economics. These data will help determine the major strongyle parasites of sheep and goats present in Turkey and will be important for future studies aimed at determining the extent of anthelmintic resistance and its spread. Recently I am doing laboratory work of PhD thesis in Eileen Devaney's lab, University of Glasgow.

My plans or ambitions for after my project/COMBAR:

I would like to study the mechanisms and spread of anthelmintic resistance in Turkey. Also, I am planning to develop control strategies to reduce the economic cost of anthelmintic resistance in Turkey. At the same time, I am pursuing international collaborations.