

Carlos Venâncio (CV) is Assistant Professor of Animal Anatomy at Animal Science Department, School of Agrarian and Veterinary Sciences, UTAD. Since 2013, CV is a full member researcher at Centre for Research and Technology of Agro-Environmental and Biological Sciences (CITAB) working in Animal House Lab and Ecotoxicology Lab with scientific interested on understanding the role of oxidative stress in the mechanisms of cell death and monitoring the behaviour effects of substances (anaesthetics) that can preserve animal welfare in stressful situations (<https://doi.org/10.3390/biology10121309>). In last years, his is particularly interested in evaluated the beneficial at brain and animal welfare effects of natural compounds. For this, it has used zebrafish larvae as a model (<https://doi.org/10.1016/j.cbpc.2021.109143>; <https://doi.org/10.3390/toxics9010008>; <https://doi.org/10.1016/j.cbi.2020.109193>). With a view to contributing to improving animal welfare, particularly in fish, valorise natural products CV was team member of two projects that were recently completed, respectively ZEBRAFINE (PTDC/CVT-CVT/29542/2017) and VALORIZEBYPRODUCTS (PTDC/ASP-HOR/29152/2017, POCI-01-0145-FEDER-029152). The commitment to the development of sustainable animal (beef cattle) production (<https://doi.org/10.3390/foods11162505>; <https://doi.org/10.3390/ani12192501>) is evidenced by the leadership of the ongoing PDR2020 project, Preserving the quality of Arouquesa meat.

Vila Real, 10-02-2023