ModOliveColl - Studying and Modelling the Responses of Olive Cultivars to Populations of Anthracnose Pathogens Under Different Agroecological Conditions and Fruit Ripening Stages to Improve the Sustainability of Yield and Virgin Olive Oil Quality.

ABSTRACT | ModOliveColl uses a multidisciplinary approach, from phytopathology to food technology and environmental modeling, to study the anthracnose of the olive tree caused by Colletotrichum spp, by addressing a limiting factor of fundamental importance for one of the most dynamic sectors of Portuguese agriculture.

When completed, ModOliveColl will provide farmers and olive growers and technicians with tools that will enable informed decisions on the selection of varieties for planting according to local and regional pathological, agroecological and environmental data, and selection of harvest dates to avoid depreciation of the quality of the olive oil. The elucidation of the interaction between olive cultivars x species of pathogens x harvest date will also generate pioneering results for science, which will be of relevance for the research of olive anthracnose in other countries, as well as for researchers dealing with anthracnose in other cultures.

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