

Daniele Schiavi is currently working as PhD student at University of Tuscia, in the *Plant and Animal Sciences* course, after graduating in 2020 and discussing a novel thesis about bio-based nanotechnology in olive tree pest management. His main research lines focus on valorization of plant biomasses and industrial wastes of several agroforestry supply chains to obtain innovative nanosized compounds; their physiological interaction with plants, from resistance induction activity to translocation and uptake, and molecular interaction with bacterial and fungal plant pathogens, in order to define sustainable crop protection strategies through the reduction of synthetic agrochemicals and application of circular economy principles.