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Microbial contaminants in circular plant-derived food and feed production systems (COST Action HUPLANTcontrol network)

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Many food-borne disease outbreaks are related to the consumption of fresh vegetables, herbs, fruits, or food composed of these products. Human pathogens can circulate between animal and plant production systems. Plants become contaminated with human pathogens via manure and irrigation water. The plant environment can be considered as secondary habitats for pathogens, where they persist over extended periods in time. The objective is to establish an international network of expertise plus vested stakeholders on human pathogens in plant production systems and the role of the plant microbiome in ecology of human pathogens in plant production systems, taxonomical identification, virulence typing in human proxies, control via agricultural management, and communication and dissemination.

Keywords: