

Interkingdom interactions in toxic environment: when fungi and bacteria teams up to survive and grow in deadly conditions

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Fungi and bacteria very often share habitats in which they may compete for resources but also cooperate. Azoles, alone or in combination, are broadly used nowadays to limit fungal proliferation in many fields: medicine, agriculture, wood preservation... but their efficiency can be compromised by microbial partners. I will illustrate here how the molecular interplay between fungi and bacteria can lead to the detoxification and colonization of a theoretically deadly environment.