



Fungi: What Have We Learned from Omics?

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Fungi have been long referred to as an understudied and under-understood group of organisms. Fungi are also described as being excellent producers of compounds with activities that can be used in numerous industries, from the food industry to agriculture and health industries. Last but definitely not least, some species are pathogenic to humans (luckily not that many), other animals, plants, and virtually to all eukaryotes.

Characterizing a fungus is still a challenge: fungi are diverse in nature, in lifestyles, and in terms of many other characteristics. The advent of omics—from genomics to metabolomics—brought many promises of elucidating the molecular mechanisms that govern fungi physiology. This Special Issue aims to reveal how and what omics have contributed to unravel the fungi complexity. We welcome research and review manuscripts in which omics are used to understand (but are not restricted to): fungal interactions with the environment/hosts, infection or biocontrol mechanisms, and molecular networks that govern the adaptation to new environments or the production of new compounds.

Dr. Ana Cristina Esteves

Guest Editor





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Message from the Editor-in-Chief

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