

Special Issue

Regulation Mechanism of Autophagy in Pathogen and Pathogen-Host Interaction

Message from the Guest Editor

Autophagy is an evolutionarily conserved cellular pathway in eukaryotes vital to a multitude of physiological and pathophysiological processes, such as stress, starvation, and microbial infection. Although there is evidence indicating that autophagy is crucial for the growth and infection-related development of plant pathogenic fungi, its regulation mechanism in the vast majority of pathogens remains obscure. A more comprehensive understanding of the regulation of autophagy in pathogens and pathogen–host interactions can provide us with a greater grasp of the biological processes of pathogens. With this aim in mind, this Special Issue will present recent studies considering:

- The autophagy regulation mechanism of pathogens, including macroautophagy and selective autophagy, such as mitophagy, pexophagy, ER-phagy, and lipophagy.
- The triggering mechanism of autophagy in pathogens or their host.
- The relationship between autophagy and pathogenicity in plant pathogenic fungi.
- The epigenetics of the autophagy process of pathogens or their host.
- New autophagy regulators in pathogens or their host.

Guest Editor

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Message from the Editor-in-Chief

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