

## Special Issue

# State-of-the-Art Research on Fungal, Bacterial, and Viral Stresses in the USA

### Message from the Guest Editor

This Special Issue aims to provide a comprehensive overview of recent advances in research on fungal, bacterial, and viral responses to biotic and abiotic stresses in the USA. We invite contributions from American research institutes/laboratories that consolidate our understanding of this area. Potential topics include, but are not limited to:

- Oxidative stress, osmotic stress, nutritional stress, and mechanical stress in fungi
- Host-related stress survival mechanisms
- **Heat shock** response in bacteria
- Envelope stress response in bacteria
- Cold shock response in bacteria
- Bacterial stress response to changes in temperature, pH, nutrients, salts, and oxidation
- Plant stress homeo-regulating rhizobacteria

Dr. Luz E. de-Bashan

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### Guest Editor

Dr. Luz E. De-Bashan

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### Deadline for manuscript submissions

closed (30 September 2022)



## Stresses

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## About the Journal

### Message from the Editor-in-Chief

*Stresses* is an open access international journal publishing top quality research covering all aspects of how humans, animals, plants, algae, fungi, bacteria, and viruses respond to abiotic and biotic stresses. The thinking behind *Stresses* is substantially inspired by the pioneering studies on the effects and responses to various stressors performed by the eminent scientist Hans Selye. Submissions from basic and applied research are welcome, as long as they are based on a clearly defined mechanistic hypothesis. Review manuscripts are encouraged, but they must be a critical review of existing literature and not just a summary. All submitted manuscripts will be subjected to a thorough peer-reviewing process.

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### Editor-in-Chief

Dr. Monica Ruffini Castiglione

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 25.2 days after submission; acceptance to publication is undertaken in 4.1 days (median values for papers published in this journal in the first half of 2025).