

Special Issue

Novel Mechanisms and Biological Processes in Redox and Inflammatory Signaling

Message from the Guest Editors

We are pleased to announce this Special Issue of *Biology*, focused on elucidating the fundamental mechanisms linking redox imbalance to inflammatory processes. The dynamic interplay between oxidative stress and inflammatory signaling is a fundamental cellular phenomenon, critical for maintaining homeostasis and orchestrating stress responses across biological systems. This Special Issue calls for original research and review articles that uncover novel mechanistic insights at the molecular, cellular, and organismal levels. Our goal is to create a comprehensive resource that highlights the future direction of basic research in redox and inflammatory biology. We encourage submissions that explore innovative angles, including the discovery of new molecular targets, the application of advanced technologies, and the investigation of cross-species conservation of these pathways.

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About the Journal

Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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