


Editorial

# Updated Sections and Scope of the *International Journal of Plant Biology (IJPB)*

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The *International Journal of Plant Biology* is embarking on an exciting new journey as we expand our horizons and delve deeper into the multifaceted world of plant science. In response to the ever-evolving landscape of plant biology research, we are pleased to introduce several temporary sections that will run alongside our existing thematic areas. These sections will provide an enriched platform for sharing groundbreaking discoveries and fostering interdisciplinary collaboration.

**Plant Physiology:** Understanding the intricate mechanisms governing plant growth, metabolism, and responses to environmental cues is vital. This section will showcase the latest developments in plant physiology, shedding light on the inner workings of these green marvels.

**Plant Ecology and Biodiversity:** As the guardians of our planet's ecological balance, plants play a pivotal role. This section will delve into their interactions with the environment, exploring biodiversity, ecosystem dynamics, and conservation efforts.

**Plant Responses to Stresses:** In a world increasingly affected by climate change, it is imperative to comprehend how plants respond to various stresses. This section will uncover the adaptive strategies plants employ to thrive in challenging conditions.

**Plant–Microorganisms Interactions:** The intricate relationships between plants and microorganisms hold immense potential. This section will unravel the secrets of symbiosis, pathogenesis, and microbial-mediated plant health.

**Plant Biochemistry and Genetics:** Deciphering the genetic code and biochemical processes underpinning plant life is at the core of our understanding. This section will provide a glimpse into the molecular intricacies of plants.

**Plant Reproduction:** The perpetuation of plant species is a captivating journey in itself. This section will explore the diverse mechanisms of plant reproduction, from pollination to seed development.

**Plant Communication:** How do plants communicate and interact with their surroundings and other organisms? This section will unravel the intriguing world of plant signaling and communication.

**Application of Artificial Intelligence in Plant Biology:** Embracing the digital age, this section will delve into the innovative applications of artificial intelligence in plant science, opening new avenues for research and discovery.

In addition to these temporary sections, our journal's scope has been expanded to encompass a wider array of topics, ensuring that we continue to be at the forefront of plant biology research. From cellular and developmental biology to phytochemistry, phytoremediation, and plant breeding, we are dedicated to providing a comprehensive platform for all aspects of plant science.

The subject areas of the journal will be reviewed regularly to adapt to the ever-evolving landscape of plant biology research, ensuring that we remain at the cutting edge of scientific knowledge.



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We invite researchers, scholars, and enthusiasts from around the world to contribute to the *International Journal of Plant Biology*. Your groundbreaking research, innovative ideas, and dedication to understanding the complex world of plants are what fuel our journal's growth and impact.

As we embark on this exciting new phase, we look forward to your continued support and collaboration. Together, we will explore the vast horizons of plant biology, uncovering the mysteries of these green wonders and advancing the frontiers of scientific knowledge.

**Conflicts of Interest:** The author declares no conflict of interest.

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