

# Physiologia Plantarum

## Reviewer guidelines

Physiologia Plantarum is an international journal that publishes high quality original research addressing the primary physiological and molecular mechanisms governing plant growth and development, as well as understanding the interactions between plants and their environment. In addition, the journal accepts submissions of Minireviews and Technical Focus manuscripts, with the aim of providing a forum for discussion of recent research and technical advances.

Physiologia Plantarum is one of the leading international journals in plant biology, annually attracting around 10 000 citations and publishing many papers that make significant contributions and have very long citation half-lives (>10 years). The journal's impact factor is also steadily increasing and in order to sustain this trend and to enhance the high quality of the journal, Physiologia Plantarum **will only accept manuscripts that the reviewers feel advance our functional understanding of plant processes**. Manuscripts that the reviewers feel are descriptive, have only an applied aim or are rated as "repetition of known results" should be rejected.

Specific guidelines to assist the review of manuscripts for Physiologia Plantarum:

1. For papers to be accepted for publication they must present either novel findings that uncover new biological meaning and/or significance of the process being studied, or use novel and useful approaches that enable scientific progress.
2. Physiologia Plantarum does not publish manuscripts that document well-known processes in a species for which this process has not yet been documented, unless significant species-specific differences of biological importance are documented.
3. Manuscripts that report the purification of proteins, biochemical analysis of an enzyme, the cloning of genes, isolation of a new mutant, or microarray/Affymetrix data must include data and a discussion of functional aspects showing the biological significance of the result(s).
4. Manuscripts with exciting scientific merit but that require substantial revision and/or additional data should be rejected with strong encouragement to resubmit.
5. Authors should be encouraged to be concise and avoid unnecessary redundancy, especially in the Discussion section.
6. The Title should be concise and highlight the key findings of the paper.
7. The Abstract should be concise (max. 250 words) and factual and not state or otherwise imply conclusions not supported by the experimental findings.
8. The Materials and Methods section should present sufficient detail, either directly or by reference to published procedures, for the work to be reproduced by others.
9. Accession numbers must be provided at the end of the Materials and Methods for any data or materials available in a public repository. Novel DNA sequences must be deposited in GenBank and accession numbers provided.
10. Please note that reviews must be submitted within **14 days** of accepting the assignment. If reviews are received within 10 days, the reviewer will receive a free colour image in a subsequent publication in Physiologia Plantarum.
11. Reviewers are asked not to make any statements regarding their manuscript decision recommendations in the comments to the authors. The recommendation should only be made in the confidential comments to the editor.