

Special Issue on
Digital and Computational Pathology

CALL FOR PAPERS

The term “digital pathology” (DP) is defined as a pathological diagnosis transmitted remotely, together with specific digital images of microscopic and macroscopic specimens, clinical data, and case information, sent to a pathologist via a data link. Digital pathology is an emerging concept that considers all uses of this information, including diagnostics, biomedical research, and education. It relies on obtaining a digital copy of a histology slide, called a whole slide image (WSI), and its goals are to improve diagnostic accuracy by providing digital tools for accurate histological evaluation, facilitating collaboration and remote consultations.

One of the advantages of digital pathology is that it represents a step towards computational pathology, in which the diagnostic process is aided by artificial intelligence tools and big data is generated. Other benefits of implementing a digital workflow include a reduction in mismatch errors between patient information and slides, and more efficient storage and retrieval of slides, as well as additional benefits for educational and research purposes. Additionally, digital pathology can facilitate workload management by tracking, triaging, and assigning cases to specific pathologists.

In this Special Issue, we invite contributions in the field of DP and artificial intelligence (AI) as tools for histopathological diagnosis as well as research in all fields of medicine. Both original articles and reviews are welcome.

Potential topics include but are not limited to the following:

- ▶ Advanced digital tools or technologies for digital pathology
- ▶ AI utilization in pathological analysis
- ▶ Big data in pathological diagnosis
- ▶ Digital tactics in processing complex histopathological studies
- ▶ Use of digital tools for accurate histological evaluation
- ▶ Professionals’ perceptions of digital pathology
- ▶ Ethical considerations of digital pathology

Authors can submit their manuscripts through the Manuscript Tracking System at <https://review.wiley.com/submit?specialIssue=502491>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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Submission Deadline

Friday, 25 October 2024

Publication Date

February 2025