

# Special Issue

## AI Approaches to Biological Image Analysis

### Message from the Guest Editors

Recent machine learning and AI (artificial intelligence)-based approaches have had remarkable impact on the image analysis field, and we can expect such successes to spread to specific disciplines as the techniques are applied to specific domains. In this Special Issue, we will present some recent advances and applications within the field of bioimage analysis. We are particularly interested in exploring application of machine and deep learning approaches to the analysis of biological images (excluding medical images). One particular area where this has seen recent application is plant and crop phenotyping, but we expect to see advances in phenotyping success across the discipline. We welcome submissions in this area, including, but not limited to:

- Novel application of deep or machine learning to bioimaging problems
- Application of such approaches to improve plant and crop phenotyping
- Novel application within the wider biological imaging field, including microscope imaging, hyperspectral imaging, and 3D/4D imaging.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 October 2018)



## Journal of Imaging

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## About the Journal

### Message from the Editor-in-Chief

The imaging term, specific with journal, is to be considered in its broadest sense. Image processing, image understanding and computer vision are all terms related to imaging acquisition, its processing and the extraction of relevant information from the scene to obtain the underlying knowledge. All tasks related to the above items are oriented toward specific applications in a broad range of areas and topics. The *Journal of Imaging* is conceived as an efficient vehicle in the scientific community for the communication and transmission of the progress and research results in the topics covered.

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### Editor-in-Chief

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