Special Issue

Recent Advances in Spectral Imaging Systems and Techniques for Food and Agriculture Applications

Message from the Guest Editor

Spectral imaging is a non-destructive optical imaging modality that combines digital imaging and spectroscopy such that every image pixel provides spectral information measured from the interaction of light with matter. The wavelength range of spectral imaging often goes beyond what traditional color imaging can provide. Commonly also known as hyperspectral imaging or multispectral imaging, spectral imaging has found numerous applications in the fields of food and agriculture, from basic research to industrial applications, from chemometrics to big data analytics, from microbial sensing to crop production monitoring, from portable systems to airborne drones, and so on. In the era of industry 4.0, the advent of smart farming and smart manufacturing in the agriculture and food industries will even broaden and deepen the conventional thinking and perspectives about spectral imaging and its applications. This Special Issue is to present a snapshot of recent developments in the basic and applied research in the field of spectral imaging for food and agriculture applications.

Guest Editor

Dr. Seung-Chul Yoon
Quality & Safety Assessment Research Unit, USDA-ARS, Athens, GA, USA

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Journal of Imaging
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jimaging@mdpi.com

mdpi.com/journal/jimaging

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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.

Editor-in-Chief

Prof. Dr. Raimondo Schettini
Department of Informatics, Systems and Communication, University of Milano-Bicocca, viale Sarca, 336, 20126 Milan, Italy

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