

## Special Issue

# Unmanned Aerial Vehicle Based Hyperspectral Imaging for Earth Observation

### Message from the Guest Editors

Small form factor hyperspectral sensors (< 10 kg) (HSI) mounted on unmanned aerial vehicles have rapidly evolved over the last decade and now they have shown potential for next-phase Earth Observation applications –satellite products calibration/validation, forestry, agriculture, biodiversity, geology, inland and coastal ecosystems, etc. Currently, UAV-HSI provides up to ~550 contiguous spectral bands, usually encompassing the visible and near infrared (400nm–900 nm) and short-wave-infrared (900nm–2500nm) regions, capturing hyperspectral imagery at ultra-high spatial resolution, e.g., 1cm–10cm. The goal of this Special Issue is to publish papers (original research articles and reviews) focused on the use of UAV-HSI for Earth Observation applications, following best practices and protocols to generate reliable hyperspectral imagery, i.e., geometrically and radiometrically corrected imagery.

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### Guest Editors

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### Deadline for manuscript submissions

25 September 2025



## Drones

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## About the Journal

### Message from the Editor-in-Chief

*Drones* is the only international open-access journal about the science, policy and technology of drones and its applications. Nowadays, the proliferation of drones is a reality for local policy makers, regulatory bodies, mapping authorities, startups and consolidated companies. There are many uses and benefits of drones: from the emergence of new sensors and the evolution of new platforms; to the development of specific software and the emergence of new applications. *Drones* publishes reviews, regular research papers, communications and short notes, without restriction on the length of papers. *Drones* seeks to provide a central forum for scholars engaged in drones' research and applications.

There is a need for high quality papers in this area and the *Drones* Editorial Board are widely recognized international leaders. *Drones* journal guarantees a serious peer review and a rapid publication across the whole discipline of drones.

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### Editor-in-Chief

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