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Drone Sensing and Imaging for Environment Monitoring

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Message from the Guest Editor

A drone can be equipped with small and compact instrumentation, precision GPS systems, thermal and multispectral cameras, magnetometers and high resolution cameras capable of performing reporting maps in very high precision, thermal photographs, high definition video footage, but also gas or ground material sampling or tools release.

Thus allowing to explore extreme sites and collect a wide range of useful data and details in short time for the study of natural phenomena and environmental monitoring, with very low operating costs.

These high-performance multipurpose flight systems can now safely access inaccessible environments. At the same time, they have stimulated technological research to develop new airborne instruments and sensors and new remote observation techniques.

This special issue is dedicated to environmental detection through drones and the application of new sensors and tools designed to be integrated on board drones and used for environmental research and monitoring



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Special Issue



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Message from the Editor-in-Chief

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