Current and Future Application of Computer Vision and Data Analysis in Smart Agriculture and Agroforestry

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Message from the Guest Editors

The use of technology is an increasingly in-demand requirement for many of the primary economic activities such as agriculture, mining or forestry. Factors such as population growth, climate change or the shifting of business models due to the recent changes across the world have added additional pressure to these industries to improve productivity while maintaining sustainability. Digital agriculture broadly encompasses technologies used to assist producers in farming, most commonly known as precision agriculture technologies, that need to be empowered with data analysis and machine learning facilities. On the other hand, forestry nowadays is an industry that presents an ample opportunity for automation and the use of robotic vehicles and computer vision to perform specific tasks, and despite the large body of development and research into robotics in terms of perception, navigation and control being vast, their practical application in this industry is still limited.

Special Issue

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Message from the Editor-in-Chief

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