



an Open Access Journal by MDPI

Application of Geographic Information System and Remote Sensing Technology in Agricultural and Forestry Research

Guest Editors:

Prof. Dr. Leonardo Conti

Department of Industrial Engineering, University of Florence, I-50144 Florence, Italy

Prof. Dr. Gabriel Araújo e Silva Ferraz

Department of Agricultural Engineering, School of Engineering, Federal University of Lavras—UFLA, P.O. Box 3037, Lavras 37200-900, Brazil

Dr. Giuseppe Rossi

Department of Agriculture, Food, Environment and Forestry (DAGRI), University of Florence, Via San Bonaventura 13, 50145 Florence, Italy

Deadline for manuscript submissions:

28 February 2025

Message from the Guest Editors

This Special Issue is aimed at bringing together research reports describing new methodologies and applications related to evaluation and monitoring studies in agriculture and forestry. Contributions could include, but are not limited to:

- Remote sensing applications (big data, UAVs/drones, machine learning, BIM and SfM);
- Environmental monitoring and analysis;
- GIS for cultural heritage and landscape analysis;
- Sensors performance and data processing;
- Precision agriculture, forestry and livestock farming;
- Geomatics and land management;
- Geomatics and natural hazards;
- Sustainable development and climate change.

Dr. Leonardo Conti

Prof. Dr. Gabriel Araújo e Silva Ferraz

Dr. Giuseppe Rossi

Guest Editors



mdpi.com/si/148753

Special Issue