



Carbon Sequestration and Storage in Grasslands and Woodlands

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Deadline for manuscript
submissions:

20 December 2021

Message from the Guest Editors

Climate change is now accepted as one of the major current challenges facing humanity. A key question with regard to mitigating climate change is how we can secure current carbon stocks stored in soil and whether there is potential to increase terrestrial carbon stocks in vegetation (e.g., trees) but also, more importantly, in soil.

This Special Issue on carbon sequestration and storage in grasslands and woodlands covers the two most expansive ecosystem types globally with high carbon storage potential. We welcome research quantifying carbon stocks or carbon sequestration potential in different ecosystem types ranging from the boreal forests to tropical forests, and from arid steppe to moist temperate grasslands. In addition, we particularly welcome research aimed at understanding how management of grassland and woodland impacts soil carbon sequestration and storage. We also welcome insights in areas of partial tree cover or mixing grassland with tree cover, such as wooded pasture, hedgerows, agroforestry, dehesa, and savannahs.

Keywords

climate change mitigation

net zero

soil carbon

sustainability

