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Forest Management Focused on Climate Change Mitigation: The Development of Long-Term Carbon Sinks

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Message from the Guest Editors

Dear Colleagues,

Climate change now appears as the biggest problem humanity has ever faced. Since the purpose of this Special Issue is not to discuss the role of humans in the development of climate change in itself, it is intended to address methodologies that act as mitigating actions of climate change and that contribute to the reduction and elimination of the impacts caused by them. Forests are admittedly a space, natural or not, that acts as a carbon sink as trees have the ability to capture and sequester atmospheric carbon in large quantities. However, it will be the forest management model that will define the carbon residence time, mainly by managing the rotation time of the forest species, creating models with the capacity to conserve, store or replace carbon levels. This Special Issue will focus on forest management models as a carbon sink regular procedure with the capacity to work as negative emissions technology (NET), on a climate change mitigation path. On the one hand, several innovative and alternative concepts could be presented, but also the topics of energy policy, circular economy, life cycle assessment, and supply chain could play a major role.



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Special Issue