



Carbon and Nitrogen Cycles in Fruit Trees and Forest Ecosystems

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Message from the Guest Editors

Forest biomes play a key role in the global C cycle due to their high C stock and C sink capacity. Permanent cropping systems, such as fruit tree ecosystems, can play an important role in the C cycle as well, as they are also characterised by a high C stock in biomass and soil and associated with the absence of frequent soil disturbances. The productivity and C cycle affected by N inputs from natural and anthropogenic sources in particular, which have consistently increased in the last few decades. The aim of this Special Issue is to present a collection of studies investigating all of the different aspects of and processes involved in C and N cycles in fruit tree and forest ecosystems. Particular attention will be paid to studies focusing on the interactions between the two cycles, such as: 1) the effect of increased or reduced N inputs on an ecosystem's C stock and uptake and productivity; and 2) strategies for increasing an ecosystem's C stock and uptake through amendments or fertilisation. Studies focusing on a comparison, or the interaction, between forest and fruit tree ecosystems are also welcome.





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