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Tree Regeneration-Soil Relationships

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Message from the Guest Editor

Little explored basic questions include relationships between the urban soil structure, which is often modified by people, and seedling populations of forest canopy tree species. How do the chemicals accumulating in soils from air pollution relate to seedling populations? How does the relatively hot urban climate effect the soil moisture natural regeneration relationship? Do soil conditions decrease the success rate of seed establishment by enhancing the success of seed consumers? Do urban soils favor the establishment of invasive species over native species? How does the soil microbial community relate to natural regeneration in the urban forest? What management techniques can urban forest stewards utilize to address urban forest soil challenges to enhance the natural regeneration of canopy trees? The Special Issue aims at covering the state of the art in urban forest natural regeneration, responses of seedlings and saplings to various urban forest soil conditions, including interactions with invasive plant species, large animal herbivory and seed predation. Research articles and review articles of relevant practices on the topics are welcome.



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Special Issue



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