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Forest Reaction to the Effect of Global Changes

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submissions:

closed (31 December 2018)

Message from the Guest Editor

Dear Colleagues,

The integrative effects of environmental changes, including air pollution and climate followed by changes in social and political conditions, have increasingly significant effect on forest ecosystem services, thus introducing uncertainties in operational forest management system.

The main objective of the presented Special Issue will mainly focus on filling the knowledge gaps in the areas of: (i) ecophysiological tree responses to multiple climate and pollution stressors; (ii) linkage between tree DNR and its physiological activity; (iii) embedding individual tree performance into the multi-factorial stand-level interaction network; (iv) forest CO₂ sequestration in carbon balance maintenance; and (v) forest ecosystem services and needs in new forest management treatments.

Therefore, we would like to foster the submission of manuscripts in the area of detection of integrated effects of environmental stress factors on a forest's capacity to adapt to and mitigate the main threats of global changes, forestry management recommendations aimed at maintenance of forest sustainability and its socio-ecological function.

Prof. Dr. Algirdas Augustaitis
Guest Editor



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Special Issue



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