

Modelling Land Use in Challenging Terrains

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Message from the Guest Editors

Dear Colleague,

Humans use land for food, fodder, fiber, and bioenergy production, in even the most challenging of terrains, from the high valleys in the Himalayas to the dry sandy soils in Namibia and the flood plains of Bangladesh. Modelling biomass production in these terrains and climates often poses a challenge to scientists, as accurate climate data can be difficult to produce and/or obtain, or information on local management practices may not be readily available. Input data or data for calibration/validation purposes may come from different sources of varying quality and not match well. Specific soil, hydrological or pest and disease processes that are required may not yet be implemented in traditional crop or forest growth models, or may not be straightforward to portray. The challenges faced by modelers can be manifold. Therefore, in this Special Issue, we wish to explore these challenges, show ways to deal with the issues, or report on failures in order to identify areas where innovations are needed.

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Message from the Editor-in-Chief

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