



Quantifying Rockfall Risk Reduction by Forests

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Deadline for manuscript submissions:

closed (22 June 2019)

Message from the Guest Editors

Dear Colleagues,

In steep, mountainous terrain, forests play an important role in protecting people and infrastructure from rockfall. An effective management of this natural means of protection and an efficient allocation of resources requires a realistic quantification of its protection effect against rockfall. We would like to invite you to submit articles about your recent work on rockfall and forest interactions. This can include:

- Block energy reduction in relation to tree species, anchorage in different soils, wood decay
- Realistic integration of the forest structure in trajectory models
- Realistic prediction of rockfall release probabilities based on field observations of deposited rocks and tree damages
- Quantification of the influence of disturbances (e.g. forest fires, pest outbreaks, windstorm) on the long-term protective effect of forests
- Case studies showing various methods for the valuation of the rockfall risk reduction provided by forests

We also encourage you to approach us by sending a short abstract outlining the purpose of your research and the principal results obtained.

Dr. Luuk Dorren

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Guest Editors





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Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based political decisions.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

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