

37th FEFCCO

Forest Ecosystem Function Colloquium (FEFCO) は、地域や地球全体のレベルで森林生態系の機能とその持続的活用法を統合的に理解することを目的とし、研究者間の学術交流を推進します。

第37回森林生態系機能コロキウムは、ドイツ・ドレスデン工科大学からWilfried Konrad博士にご講演いただきます。どなたでも参加できますので、多くの皆様のご参加をお待ちしております。京都大学農学研究科森林生態学研究室がホストを務めます。

37th FEFCCO
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Faculty of Agriculture Main Building, S174

Wilfried Konrad

Department of Geosciences, University of Tübingen, Germany
Technical University of Dresden, Institute of Botany, Germany

Plants in arid environments - and how they may benefit
from fog and dew collection

Since plants invaded the land they achieved an ever expanding repertoire of techniques that allowed them to colonise increasingly arid environments. One of these developments led certain plant species to exploit fog and dew water as supplement or even as complete replacement for soil water. In this talk, some aspects of the interaction between plant leaves and water are outlined and applied to two species: One of them, *Stipagrostis sabulicola*, the Bushman grass of the Namib desert satisfies its water demand exclusively from fog and dew, and it is well investigated. For the other one, the Hawaiian endemic plant *Metrosideros polymorpha*, a more speculative mechanism of the utilisation of fog and dew water is presented.