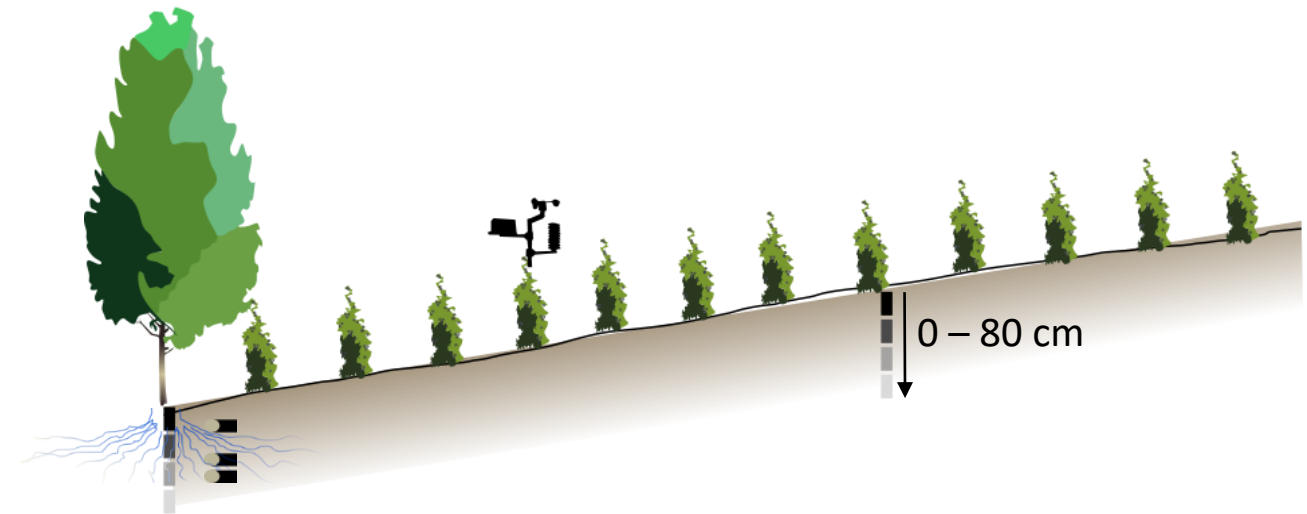
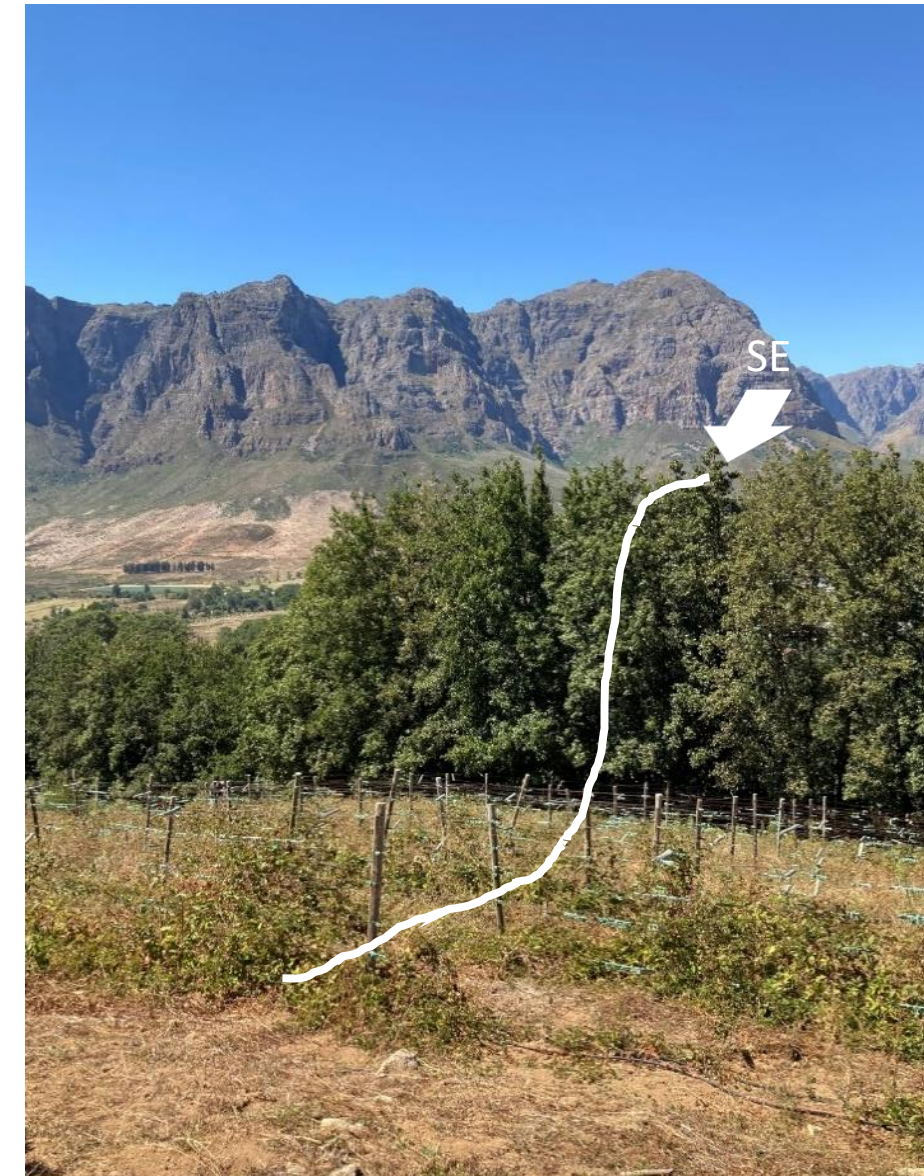
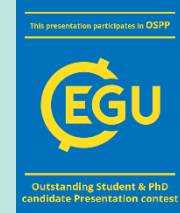


Combining **field survey** and **time series** data to learn about **plant water usage** in a South African **agroforestry** system

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sustainability **MDPI**

Review
Agroforestry: An Appropriate and Sustainable Response to a Changing Climate in Southern Africa?

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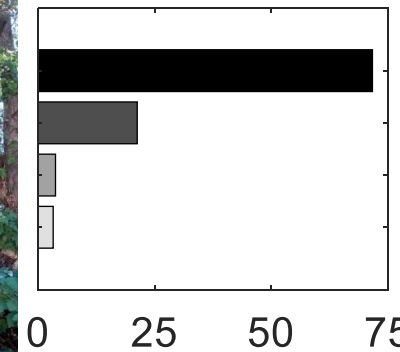
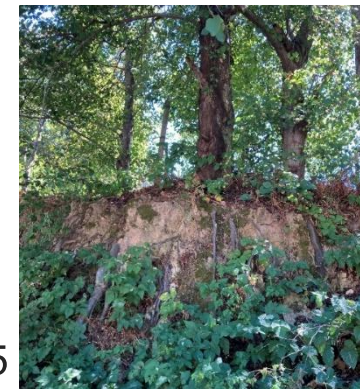
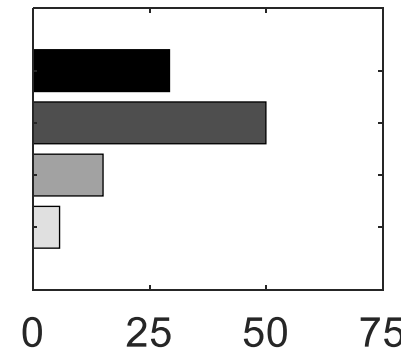
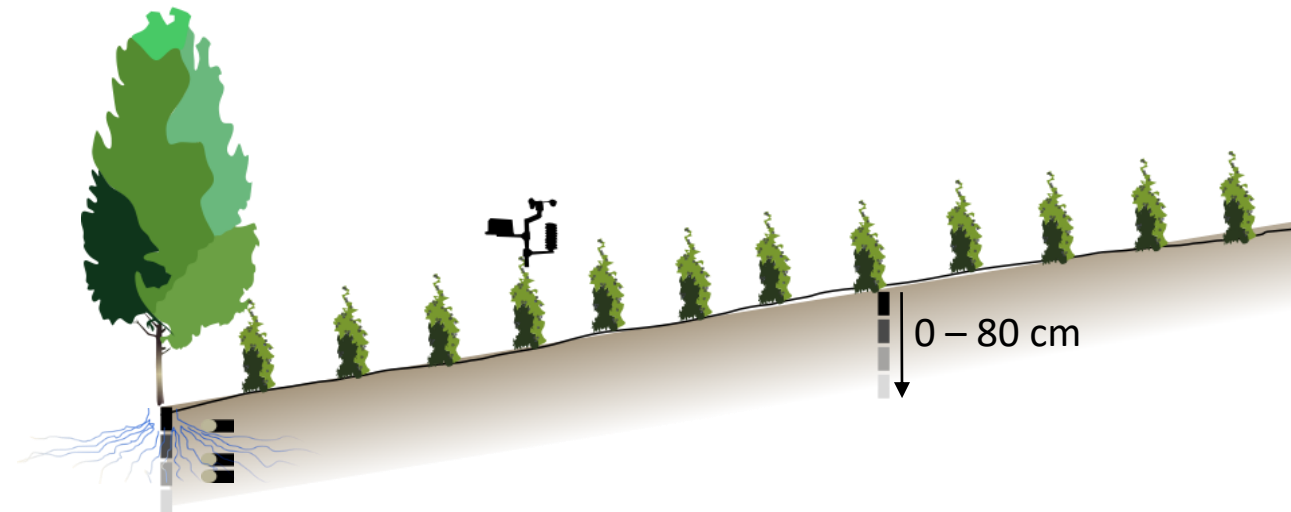
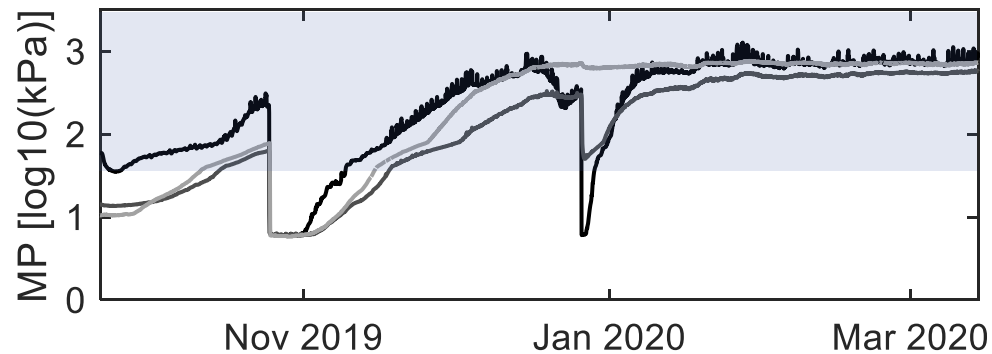
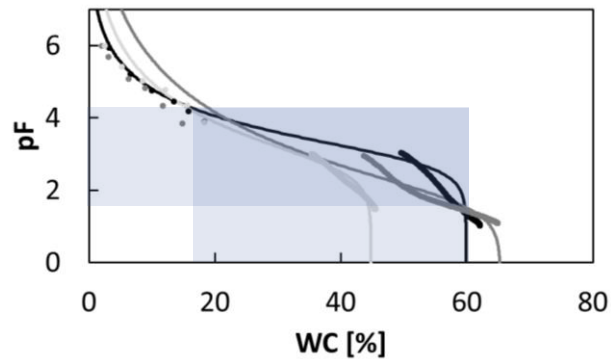
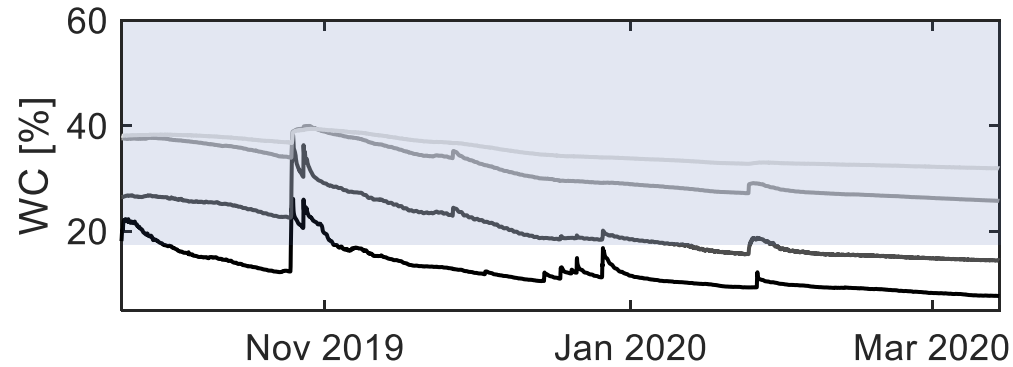
Abstract: Agroforestry is often discussed as a strategy that can be used both for the adaptation to and the mitigation of climate change effects. The climate of southern Africa is predicted to be severely affected by such changes. With agriculture noted as the continent's largest economic sector, issues such as food security and land degradation are in the forefront. In the light of such concerns we review the current literature to investigate if agroforestry systems (AFS) are a suitable response to the challenges besetting traditional agricultural caused by a changing climate. The benefits bestowed by AFS are multiple, offering ecosystem services, influence over crop production and positive impacts on rural livelihoods through provisioning and income generation. Nevertheless, knowledge gaps remain.

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Relative root water uptake per depth [%]