



## Reuben De Cocq Van Delwijnen

BSc (Ecology and Conservation Biology) Hons, Class I

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### Summary

Fungi play crucial roles in the majority of earth's ecosystems, although to date very little is still known about this kingdom. My research is to develop an understanding of the abundance and diversity of soil fungi that occur in the arid zones of Australia and to explore the drivers behind these assemblages. Understanding these soil fungal communities and their drivers provides knowledge to assist in agriculture and their potential in both the mitigation and adaptation of climate change. My research will explore some potential ways arid soil fungi communities will be affected by climate change such as increased atmospheric carbon and increased temperature and better understand how they could potentially be utilised to adapt and mitigate these effects for the betterment of both society and the environment.

### Research Expertise

- Arid soil fungal ecology
- Climate change impacts on arid soil fungi