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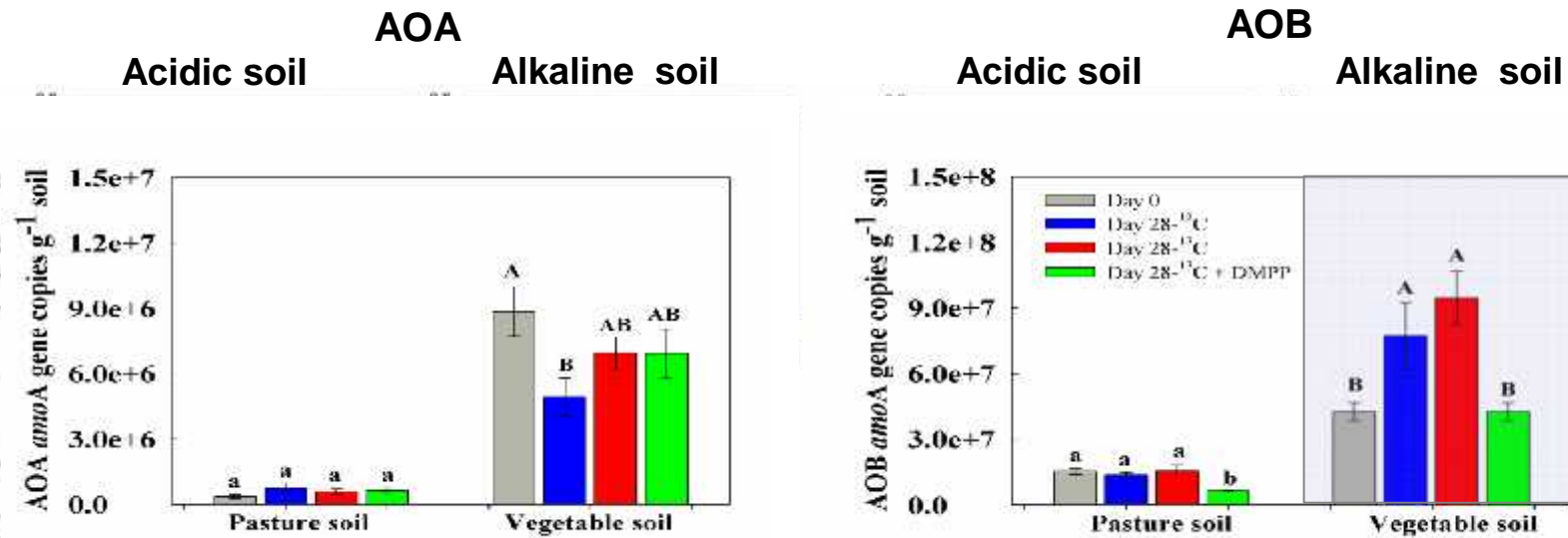
**Effects of a nitrification inhibitor
on the metabolic activity of
ammonia oxidisers (Poster #13)**

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- ❑ Ammonia-oxidizing archaea (AOA) and ammonia-oxidizing bacteria (AOB) encoding the amoA gene catalyse ammonia oxidation.
 - ❑ 3,4-Dimethylpyrazol-phosphate (DMPP) can inhibit nitrification of variable efficacy.
 - ❑ DMPP could decrease the abundance and change the community structure of the AOA and/or AOB.
 - ❑ The metabolic activity of AOA and AOB in response to DMPP?
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DMPP decreased nitrification through inhibiting AOB, rather than AOA.

Shi et al., 2016