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Heavy metals in slag affect inorganic N dynamics and soil bacterial community structure and function

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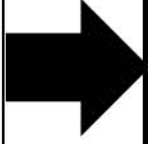
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Soil contaminated with different amount of slag containing Pb and Zn

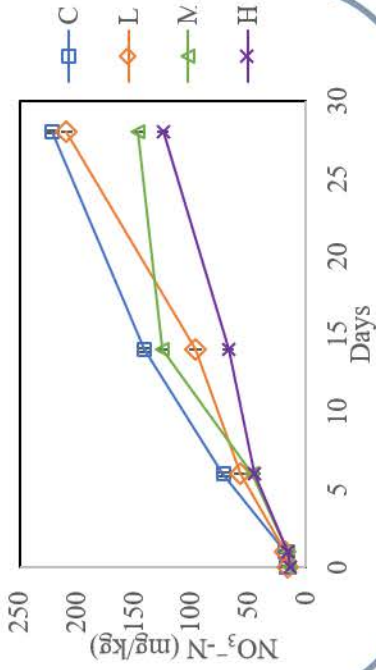
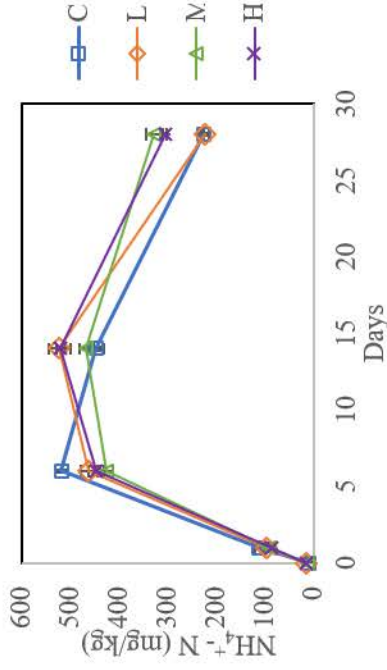
**Urea application
4 weeks of incubation**



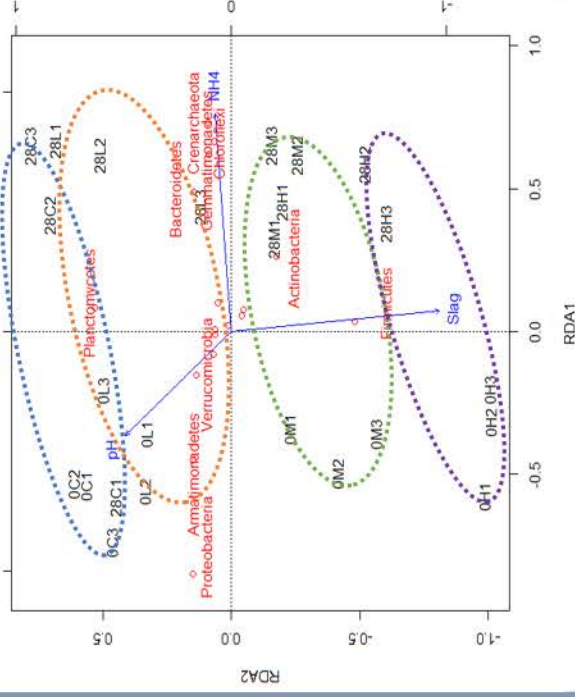
Contamination level;

Control (C) < Low (L) < Middle (M) < High (H)

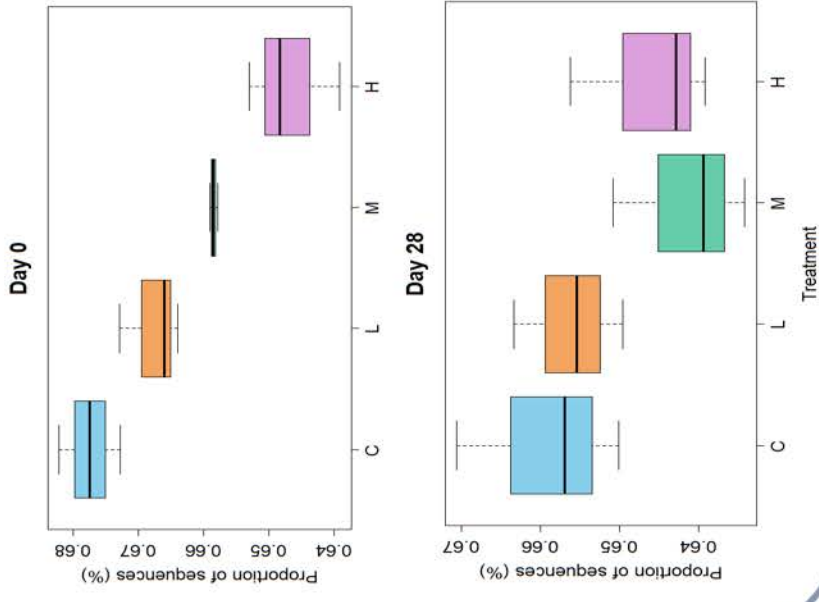
Delay in nitrification



**Change in bacterial
community structure**



Decrease in N metabolism function



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