Manuscript list (ongoing)

1. GRDC
   1. Bulk soil MF

*Loïc Nazaries, Bhupinder Pal Singh, Jharna Rani Sarker, Yunying Fang, Satvinder Singh Bawa, Marcus Klein, Brajesh K. Singh*

Response of soil nutrient multi-functionality to agricultural management practices can be predicted by key soil abiotic and biotic properties

* 1. Soil Aggregate MF

*Loïc Nazaries, Bhupinder Pal Singh, Jharna Rani Sarker, Yunying Fang, Satvinder Singh Bawa, Marcus Klein, Brajesh K. Singh*

Understanding the link between ecosystem multi-functionality and soil (a)biotic properties under different crop management practices: a perspective from soil aggregate size-fractions

* 1. Bulk soil at different depth and season

*Loïc Nazaries, Bhupinder Pal Singh, Jharna Rani Sarker, Yunying Fang, Satvinder Singh Bawa, Marcus Klein, Brajesh K. Singh*

Title TBC

* 1. MIR

*Henaka Arachchi, M.P.N.K., Karunaratne, S.B., Fang, Y., Nazaries, L., Sarker, J.R., Weng, Z., Van Zwieten, L, Singh, B.K., Singh, B.P.*

Site-specific calibration for rapid characterization of key soil properties and functions by mid-infrared spectroscopy

1. EucFACE
   1. GHG flux emissions 2013-2016

*Loïc Nazaries, Catarina S.C. Martins, Manuel Delgado-Baquerizo, Christopher Mitchell, Jasmine Grinyer and Brajesh K. Singh*

Greenhouse gas emissions under elevated CO2 concentrations in a native Eucalypt forest of Australia: soil water availability as an important driver of future CH4 and N2O emissions

* 1. GHG emissions #2 (N2O & CH4 genes *vs*. fluxes)

TBC

1. WANTFA
   1. Sudheesh – NOT submitted

*Sudheesh Manalil; John Hammond; Matthew McNee; Loïc Nazaries; Brajesh Singh; James Easton; Ken C Flower*

The nitrification inhibitor 3,4-dimethylpyrazol phosphate (DMPP) reduces soil nitrous oxide emissions from wheat grown in a Mediterranean type environment

* 1. ~~Matt McNee – conference proceedings~~

*~~M.E. McNee, L. Nazaries, K.C. Flower,~~~~S. Manalil, B.K. Singh~~*

~~Potential for summer active grasses to minimise gaseous soil N losses (2015)~~

* 1. Matt McNee #2

TBC

1. DIRECT

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Potential manuscripts:

* EucFACE: Guidelines for GHG flux determination and optimisation of pre-incubation temperature
* EucFACE: Spatial and temporal GHG flux modelling (2050; 2100)
* GRDC: Optimisation of qPCR method for simultaneous detection of microbial genes
* Meta-analysis: GHG fluxes from EucFACE, Minnesota, WANTFA, GRDC – biogeography and niche partition