

# **Propositions**

accompanying the dissertation

## **FATE OF HYDROXYLAMINE IN THE NITROGEN CYCLE**

by

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1. Including abiotic controls with reactive intermediates can be crucial to understand nitrogen cycle conversions (Chapter 3 and 4).
2. Determination of the Gibbs energy of formation for hydroxylamine would allow for a better thermodynamic analysis of nitrogen conversions (Chapter 2).
3. Well developed, precise and low range measurement techniques are vital to advance in intermediates related research (Chapter 2).
4. Thanks to the invention of the Haber-Bosch process, this thesis was possible.
5. A goal oriented society, sometimes forgets to acknowledge and enjoy the intermediate steps to achieve such goal.
6. Publication goal oriented research leads to less knowledge being shared.
7. Research as a dedication is only possible if your basic needs are covered and you are curiosity driven.
8. Research never ends.
9. Planning should be flexible and adaptable, specially in times of pandemic.
10. Sunny weather makes people happy.

These propositions are regarded as opposable and defensible, and have been approved as such by the promoters Prof.dr.ir. M.C.M. van Loosdrecht and Dr. J.O. Pérez Cañestro