

# CO<sub>2</sub> Mineralization for *in situ* Storage and *ex situ* Enhanced Metals Recovery



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PhD at KU Leuven on process intensification routes for mineral carbonation.

33 indexed articles and 1 patent on mineral carbonation.

Fellow of the 2020-2022 Negative Emissions Science Scialog.

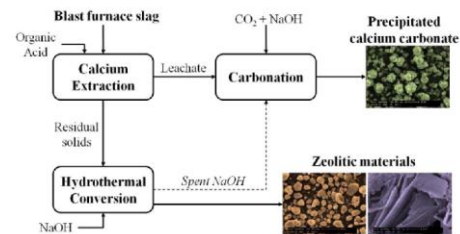
Contributing author to the 2017 Report of the Mission Innovation CCUS Experts' Workshop.

Co-organizer of the 2013 Fourth International Conference on Accelerated Carbonation for Environmental and Materials Engineering (ACEME'13).

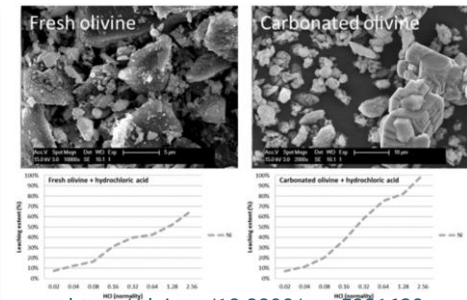
## Technology or focus area

- Ex-situ mineral carbonation for CO<sub>2</sub> utilization and waste valorization.
- Enhanced rock weathering for pedogenic carbonate storage in agricultural lands.

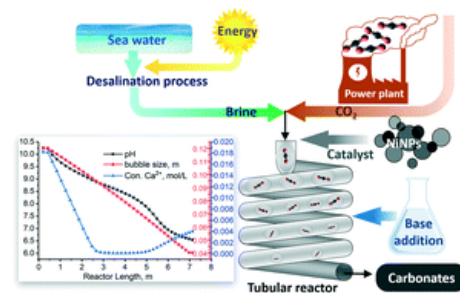
## Ideas, Interests, Concepts to be Explored



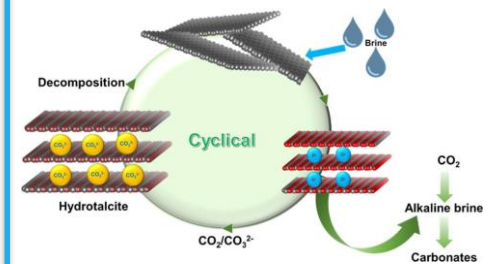
<https://doi.org/10.1016/j.cej.2014.03.104>



<https://doi.org/10.3390/met5031620>



<https://doi.org/10.1039/C9RE00446G>



<https://doi.org/10.1016/j.cej.2020.126450>