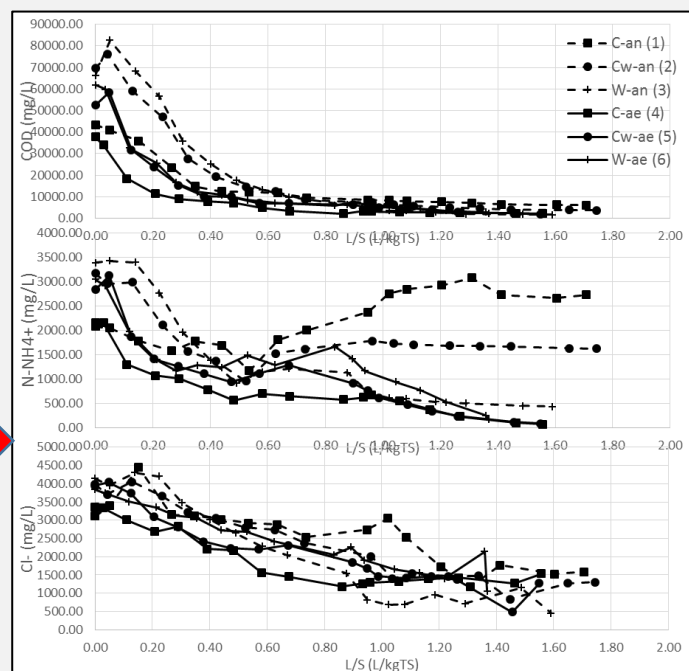
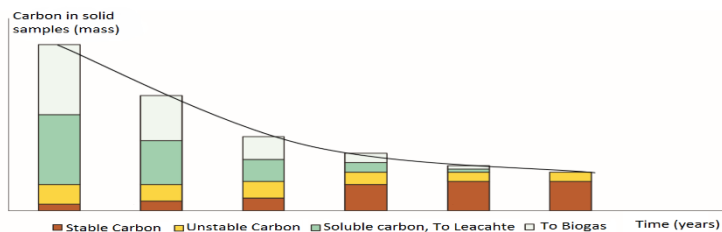


Landfills are complex reactors, characterized by a high heterogeneity of waste deposited inside, in which many biochemical processes happen simultaneously. My Ph.D. research is focused on the enhancement of these reactions, through combination of in situ treatments, with the purpose to reduce the potential pollution of landfills to acceptable levels in a sustainable time.

Lab-scale reactors are useful for simulate biochemical processes in a controlled way.



Monitoring the performance of the different technologies and their interaction in simulated conditions.

Compare results and reaction kinetics to find the more suitable solution to be implemented in full-scale applications.

