

Day 26 Greener

Reflection Biological Mechanism→

The strategy that surprised me the most was the use of enzymes to break down plastics, thus managing to generate very little or no waste that generates plastic, because we know that this waste is a big problem, since it is not only a bottle or bag as such, but the microplastics themselves.

This strategy shows a great advance and interest in solving environmental problems, using enzymes that can break down plastics using proteins to protect them from the process used to manufacture plastic, destroying it from the inside, breaking it down into simpler compounds that can be reused or discarded without affecting the environment, as they can be broken down or assimilated later by natural processes, but with a suitable environment, needing the presence of water and an ideal temperature for the enzymes to start working, consuming the plastic in hours or a few days.

This idea gives me a little hope knowing that there are great organizations that care about our planet and welfare, besides the problem of plastics is a big problem that must be solved now.

This problem is increasing little by little and very fast, especially due to the contamination of microplastics, which have even been found in the placenta. But repeating the same thing, this problem of plastics is finally seeing the light, we just need to give more support and encourage it.

- **Which aspects of the strategy or system are most compelling?**

The enzyme part, which previously could not be done due to the plastic manufacturing process, but with the proteins that protect the enzymes it is possible.

- **How has your perspective of nature changed?**

Everyone and everything is made of components that at some point can be assimilated by nature.

- **How can these systems of biomimicry be applied to your own life, campus or community?**

Well, we can't do anything directly, it's not like we have plastic factories or anything, but we can get the word out so that organizations with greater capacity can do something directly.

Post→



Caption→

"Unveiling the incredible world of plastic-devouring enzymes"

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