

# ¡Detengamos el calentamiento global con biotecnología!

Let's stop global warming with biotech!

Catalina Dubois Anaya

## Resumen

En este texto hablaremos sobre uno de los problemas que está afectando nuestra sociedad, incluyendo plantas y animales, y que hace que nuestro planeta tierra este cada vez peor. Hablaremos del calentamiento global, y su solución, porque en este momento, hay personas que ya están trabajando en eso y podrían salvar al planeta tierra, gracias a la biotecnología gris, que se relaciona con el ambiente y la naturaleza.

**Palabras clave:** Biotecnología, calentamiento global, planeta, Tierra, animales, sociedad, humanos, plantas, molécula, dióxido de carbono.

## Abstract

In this text, we are going to talk about one of the problems that is affecting our society, including plants y animals, and that makes our planet worse and worse. We will talk about global warming, and it's solution, because in this moment, there is people working in that, and maybe they could save The Earth, thanks to the gray biotechnology, which is related to the environment and nature.

**Keywords:** Biotechnology, global warming, planet, Earth, animals, society, humans, plants, molecule, carbon dioxide.

### **Introduction**

Biotechnology or biotech, is the study of technology, based on biology. People mainly use it in medicine, agriculture and food science, and it involves the use of living organisms to make chemicals, and products or to perform industrial tasks. Biotech is very useful for our society, because it can be used to solve many problems in the world and to satisfy many human needs. For example, thanks to it, people can study and create pharmaceutical products, medicines, agricultural products, etc. All these things that makes biotech, benefits us and that is why we are going to see how does it helps, in this case, the environment.

### **Problem**

One of the big problems we have in our planet nowadays is global warming. There are some factors that had contributed for global warming to happen, and most of them are things that we, humans, have made. One of the factors, is human activity, for example, which has increased the amount of gases in the atmosphere, leading the heat retention, and increasing surface temperature. The global warming is very serious, and many animals, people and the Earth have been affected. For example, because of that, pieces of glaciers have broken up and have melted. If we do nothing to change this, it will continue and many animals that live there will no longer have a place to live and they will die. Also, mosquitoes are expanding their territory and, after a while, they would be able to spread diseases everywhere. Finally, wildfires are much longer than before, and again, many people are suffering, and plants and animals are dying. So now is the moment to take care of our planet, and to stop destroying it, so that we, and all living things in our planet can be safe.

## **Methodology**

First, I started looking for information in internet about global warming, its factors, and how it affects us as a society. Step by step, I recollected the essential information about every website I visited and put it in my words, to write the problem. Then I investigated in some other websites about biotech and its relation with my problem, and how can it help to solve it. Again, as I did before, I recollected the information of the different sources, and wrote the solution. After writing the other parts of the scientific paper with the information I already had, I checked it at least twice and publish it.

## **Solution**

There are many ways to solve this problem by using biotechnology. The solutions often go towards reducing carbon dioxide and greenhouse gases in the atmosphere using biotech. One of them is to develop plants that can store more carbon dioxide in their roots, instead of returning it into the atmosphere, which is finally, one of the factors that caused the global warming. But for this to be possible, an institute called Salk is working to determine how a plant can keep the carbon dioxide in their roots, and they already found their answer in a plant's molecule that is called suberin.

## **Conclusion**

Now, thanks to all the information in internet, the radio, TV, newspapers, and others, we can know about this big problem, be conscious about all the people, animals and plants who are very affected by the global warming and we can be informed about what to do to make it stop so we can all be safe! Every little effort counts, so you and all the scientists who are studying biotech can give a simple, but good solution for this big problem.

## References

- Biotechnology Facts for Kids. (2020). Retrieved 3 May 2020, from <https://kids.kiddle.co/Biotechnology>
- What is Biotechnology? | BIO. (2020). Retrieved 3 May 2020, from <https://www.bio.org/what-biotechnology>
- Why Biotechnology? | Kent State University. (2020). Retrieved 3 May 2020, from <https://www.kent.edu/biotechnology/why-biotechnology>
- (2020). Retrieved 3 May 2020, from <https://www.edf.org/climate/why-fighting-climate-change-so-urgent>
- Why is climate change happening and what are the causes?. (2020). Retrieved 3 May 2020, from [https://www.usgs.gov/faqs/why-climate-change-happening-and-what-are-causes-1?qt-news\\_science\\_products=0#qt-news\\_science\\_products](https://www.usgs.gov/faqs/why-climate-change-happening-and-what-are-causes-1?qt-news_science_products=0#qt-news_science_products)
- Could This Biotechnology Innovation Help Combat Climate Change? | BIO. (2020). Retrieved 3 May 2020, from <https://www.bio.org/blogs/could-biotechnology-innovation-help-combat-climate-change>
- Biotechnology and Climate Change | ISAAA.org. (2020). Retrieved 3 May 2020, from <https://www.isaaa.org/resources/publications/pocketk/43/default.asp>