



**Escola Tècnica Superior
d'Enginyeria Química**



FINAL MASTER PROJECT

CARBON FOOTPRINT ANALYSIS, CALCULATION AND IMPROVEMENT OF A PHARMACEUTICAL COMPANY

**MASTER IN ENVIRONMENTAL ENGINEERING
AND SUSTAINABLE ENERGY**

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Tarragona, January 2022

To my grandmother,
my mother and little brother
who always believed in me.

*"We never lose our loved ones.
They don't disappear from our lives.
We are merely in different rooms."*

-Paulo Coelho.

ACKNOWLEDGEMENTS

Through the writing of this master thesis, I have received a huge support, guidance and assistance.

I would like to thank my supervisor, Professor Julio Rodrigo, for his guidance and patience through the whole project and for being a source of wisdom in each step of the way.

I would like to thank Synkotech Biocompatible Materials for the opportunity of doing this important project for the company and my supervisors in the company, Angélica Balanta and Amadeu Bonet, for helping me.

And last but not least, I would like to thank my godparents, my boyfriend, my father, my uncle and my closest friends for supporting me, always giving me the best advices and cheering me up when I thought nobody could.

ABSTRACT

Currently anthropogenic greenhouse gases emissions and its direct relation to global warming is an issue that concerns international communities for the last decades.

The increasing awareness about this topic has led to measures to reduce those emissions.

The main objective of this master thesis is to calculate the organizational carbon footprint and propose improvement measures to reduce the emissions caused by the activities of the company. To assess these activities the methodology followed is ISO 14064 and to calculate the organization carbon footprint the GHG calculator of Generalitat of Catalunya is used as a tool.