



**Innovative Work Proposal for project
on**

Microplastics and Its Potential Effects On The Environment

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**—Submitted to Ms Deepika
(Dept. of Environmental Engineering)**

By Samarthya Singh (2K20/B6/44) and Sachin Mishra (2K20/B6/32)



Overview

Extremely small pieces of plastic are referred to as **microplastics**. More formally defined by the U.S. National Oceanic and Atmospheric Administration (NOAA) and the European Chemicals Agency as fragments of any plastic less than 5 mm or 0.20 in length.

It is a known fact that plastic degrades very slowly and is a threat to the environment, but microplastics pose a higher degree of danger as microplastics can accumulate in the air and terrestrial ecosystems and eventually climb up the food chain ladder and thus accumulate in the bodies and tissues of many organisms.

Objectives

1. Perform an in-depth study on microplastics and make a distinction from *macroplastics*.
2. Analyze the threats posed by microplastics to the biosphere and the environment in general.

Methodology

We will be adopting an exploratory and applied approach for this project. We will refer to the data collected by international and local bodies to analyze the mentioned points quantitatively. We will mainly be referring to online resources that track the relevant data and perform related studies.

References

- <https://ourworldindata.org/plastic-pollution>
- <https://www.nationalgeographic.com/magazine/article/plastic-planet-health-pollution-waste-microplastics>
- www.wikipedia.org
- <https://labs.waterdata.usgs.gov>