

*Title:* **Effect of human and industrial activity on the quantity and type of plastic waste found in the Ter River.**

*Student:* Ivan Ruiz Aguilar

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*Supervisor/s:* Dr. Mònica Martínez López  
*Departament of Ciència de Materials i Química Física.*

Most of the plastics that are found in the sea forming the well-known plastic islands, have been transported from the population centers through the rivers. For this reason, one of the first tasks to be carried out is to prevent plastics from reaching the rivers, and for this purpose is necessary that citizens become aware of the need to make an appropriate management of plastic waste at the end of its useful life (use).

Over the last few years, several campaigns have been carried out to raise awareness about proper waste management in homes, but this awareness seems to be forgotten when we are away from home and especially in leisure areas or other activities such as industry or agriculture. These wastes, that are not managed correctly, often reach the rivers or riverbeds and finally become part of the well-known plastic islands in seas and oceans. .

In order to provide scientific evidence of this fact and promote citizen awareness, the aim of this work is characterize and quantify the plastic waste found in the Ter River and its riverbed in four points located around *Girona* city (*Sant Gregori*, *Fontajau* Bridge, *Palafujell* Street, *Major* Bridge) where industrial and human activity is different.

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