## CLAIMS

1. A process for culturing microorganisms of the genus *Chlorella* in reactors in a culture medium suitable for their growth, characterized in that the culture medium comprises ~~a suitable amount of~~ a flocculating agent selected from iron chloride and zinc chloride in an amount ranging from 50 to 450 mg/L to prevent adhesion of the microorganisms to the walls of the reactors in which the culture is carried out.

~~2. The process according to claim 1, characterized in that the flocculating agent is selected from iron chloride or zinc chloride.~~

~~3. The process according to one of claims 1 or 2, characterized in that the culture medium comprises from 50 to 450 mg/L of flocculating agent.~~

4~~2~~. The process according to ~~one of~~ claim~~s~~ 1 ~~to 3~~, characterized in that the flocculating agent is added to the culture medium at the beginning of the culture and maintained until the end of the culture.

5~~3~~. The process according to one of claims 1 to 4~~2~~, characterized in that the reactor is a carbon sink.

6~~4~~. The process according to one of claims 1 to 5~~3~~, characterized in that the culture is carried out in autotrophic mode or in mixotrophic mode and the reactor comprises at least one wall transparent to light.

7~~5~~. The process according to claim 6~~4~~, characterized in that the light- transparent wall is polymethyl methacrylate (PMMA), polyvinyl chloride (PVC), polyethylene (PE) or polycarbonate.

~~8. The process according to one of claims 1 to 7, characterized in that the microorganisms are selected from protists.~~

~~9. The process according to claim 6, characterized in that the microorganisms are microalgae selected from chlorophyllous microalgae.~~

10~~6~~. Use of a flocculating agent selected from iron chloride and zinc chloride in a culture medium for the culture of microorganisms of the genus *Chlorella* in reactors to prevent the

adhesion of said microorganisms to the walls of the reactors in which the culture is carried out.

~~11. Use according to claim 10, characterized in that the flocculating agent is selected from iron chloride or zinc chloride.~~

~~12. Use according to one of claims 10 or 11, characterized in that the microorganisms are selected from protists.~~

~~13. Use according to claim 12, characterized in that the microorganisms are microalgae selected from chlorophyllous microalgae.~~

~~14. A culture medium suitable for the cultivation of microorganisms, characterized in that it comprises from 50 to 450 mg/L of flocculating agent selected from iron chloride or zinc chloride~~