

## Researches regarding the occurrence of persistent organic compounds in the coastal sediments and in seaweeds from Marseille area

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**Abstract:** This paper presents the results of our work during six months in Environmental Analytics Chemistry Laboratories from University of Law, Economy and Science Aix- Marseille University. The place of our researchers is Mediterranean coast, from Fos Golf to Cap Croisett. The great diversity of sedimentary hydrocarbons from here and the great diversity environmental conditions, associated with the stationary time of oil in aqua medium, show us the complexity identification of oil residues. For our research, we used sediments and seaweeds collected and analyzed according to French standardized methodologies. The results of our work show that for coast sediments, the contents of oil residues are relative low and prove that here, the hydrocarbons contamination is low, spite of a lot of harbors activities, industrial activities, domestic and nautical activities. For alga, the alchemies contents are not reason to worry for vitiates health in this area.

*Keywords:* sediments, alga, hydrocarbons, contamination, biodegradation

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