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Review

Carbon streaming in microalgae: Extraction and analysis methods for high value products

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Abstract

There is a growing recognition that carbon-neutral biofuels and microalgae are eco-friendly options because of their high CO2 sequestering capability and ability to grow in wastewater/sea water and non-arable land. Also the intrinsic properties of microalgal systems can be exploited for high value compounds such as carbohydrates, lipids, pigments and proteins. This article provides a comprehensive review of various microalgae cultivation practices utilizing organic and inorganic carbon sources. The merits and demerits of the various extraction and analytical procedures have also been discussed in detail. **Key words:** Microalgae, CO_2 , Starch, Lipid, Extraction and Analytical methods Download English Version:

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