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# Salinity Stress Increases Lipid for Biodiesel Production

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Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | The objectives of this study is aimed to isolate, identify and optimize culture conditions for biomass accumulation of algae strains Amphora subtropica and Dunaliella sp. and study the role of salinity parameter in physiological and biochemical changes under single stage cultivation regime. Biomass production, photosynthetic pigments, lipid, carbohydrate, protein contents and various stress biomarkers like TBARS and antioxidative enzyme SOD were used to understand the physiological mechanism to overcome the salinity stress as well as to study its effects on lipid and carbohydrate contents in microalgae Amphora subtropica and Dunaliella sp. The results of this particular study may provide valuable information regarding the mechanism by which Amphora subtropica and Dunaliella sp. adapt to NaCl stresses. | Format: Paperback | Language/Sprache: english | 52 pp.

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