



## Salinity Stress Increases Lipid for Biodiesel Production

By Dahmen-Ben Moussa, Ines / Dhouib, Abdelhafidh

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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