

Assessing a New Industrial Growth Media for the Development of Algae Technology in the Kingdom of Saudi Arabia

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Abstract : This study aims to compare a standard F2 media to a local media called Altakamul. The new media was tested in Nannochloropsis cultures at a lab scale. The main difference between both media is the Nitrogen source (NaNO₃ in F/2 and NH₄ in Altakamul). According to the preliminary results during three weeks experiments, no significant differences were found between F2 and Alatakamul media in terms of Nannochloropsis growth. We can anticipate that Altakamul media will be the cheapest media option for microalgae cultivation at a higher scale, reducing the OPEX

Keywords : microalgae, nannochloropsis, culture, nitrogen

Conference Title : ICABB 2022 : International Conference on Algal Biotechnology and Biology

Conference Location : Vienna, Austria

Conference Dates : July 28-29, 2022