Algal Biorefinery: An Integrated Approach

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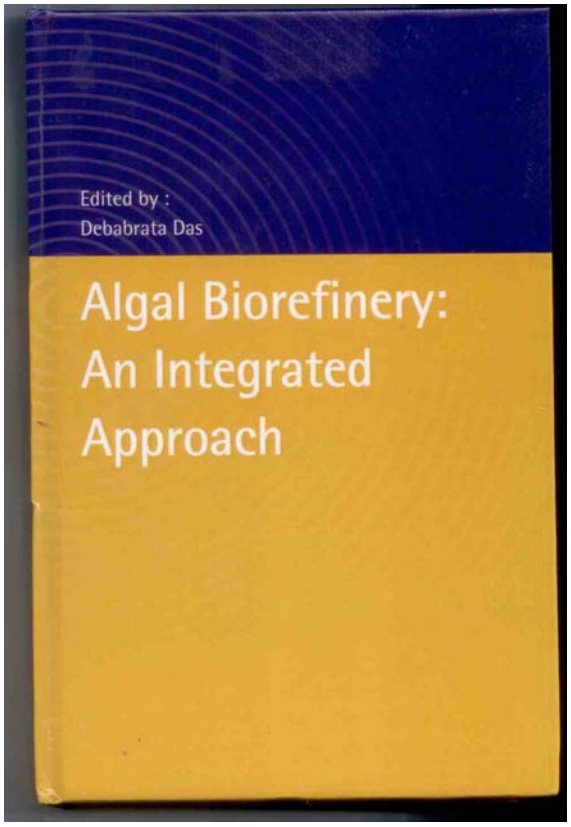

For realizing the commercial potential of al biorefinery concept has been envisioned that help to extract maximum benefits out of biomass. A refinery concept promotes harves multiple products from the feedstock so as to the process economically attractive. For las decades, algal biomass has been explored for v products such as fuel, agricultural crops, pig pharmaceuticals, bioremediation etc. To me huge demand of algal biomass, a greater em has been given on large scale production o biomass in closed or open photobiore Different nutritional conditions for algal growt been explored like photoautotrophic, heterotı mixotrophic, oleaginous. The present book cr discuss different aspects of algal production sy and several drawbacks related to microalgal bi production viz. low biomass yield, energy cons harvesting, dewatering, drying and extı process. These provide a background of the s the art technologies towards algal cultivatio sequestration, and large scale application o cultivation systems.