

A Transition Towards Sustainable Feed Production Using Algae: The Development of Algae Biotechnology in the Kingdom of Saudi Arabia (DAB-KSA Project)

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Abstract : According to preliminary results of DAB-KSA project and considering the current 0.09-ha microalgae pilot plant facilities, we can produce 2.6 tons/year of microalgae biomass for proteins applications in animal feeds in KSA. By 2030, our projections are to reach 65,940,593.4 tons deploying 100.000 ha's production plants. We also have assessed the energy cost (industrial) in KSA (€0.061/kWh) and compared to (€0.32/kWh) in Germany, we can argue a clear lower OPEX for microalgae biomass production cost in KSA.

Keywords : microalgae, feed production, bioprocess, fishmeal

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