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ILLUMINATION INFLUENCE ON *Chlorella sorokiniana* BIOMASS SYNTHESIS

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[Abstract](#)

The aim of the work was to estimate the influence of illumination on the rate of *Chlorella sorokiniana* alga biomass synthesis; kinetic dependencies of the synthesis and unit rate of biomass growth at different illumination conditions. Verification of adequacy of kinetic dependencies has been implemented. The kinetic equations and values of the unit rate of biomass growth derived in studied illumination modes made it possible to calculate the time needed for the synthesis of the set amount of biomass and related growth medium consumption required for a set of cultivation conditions.

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