# BIOFUELS AND BIOENERGY

## ,QÀXHQFH RI WHPSHUDWXUH RQ OLSLG SURGXFWLRQ DQG VV Chlamydomonas reinhardtii

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Lack of control at high temperatures is one of the major environmental factors that has signi cant e ects on the growth and lipid production of microalgae. erefore, it is important to evaluate the e ects of temperature on the growth and physiology of microalgae. We attempted to enhance the growth and total lipid production of three yellow in dark mutants of green microalgae Chlamydomonas reinhardtii under high temperature stress in view of their possible utilization as novel raw materials for biodiesel production. In the present study, e ects of cultivation temperature (25 and 33 C) on biomass and lipid productivity, carbohydrate, protein, chlorophyll and carotenoids content, detail Fatty Acid Methyl Ester (FAME)

**Notes:**