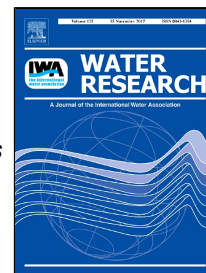


# Accepted Manuscript

Dairy farm wastewater treatment and biodiesel production by *Arthrospira platensis* cultivation Dairy farm wastewater treatment and lipid accumulation by *Arthrospira platensis*



S. Hena, H. Znad, K.T. Heong, S. Judd

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### Highlights

- Phycoremediation of wastewater and biodiesel production by *Arthrospira platensis*.
- Alteration of light intensities enhanced the biomass and lipid in *Arthrospira platensis*.
- CO<sub>2</sub> lowered the content of free fatty acid in total lipid of *Arthrospira platensis*.
- In HRAP 4.01 gL<sup>-1</sup> of biomass and 26.25 wt% lipids of *A. platensis* were achieved.

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