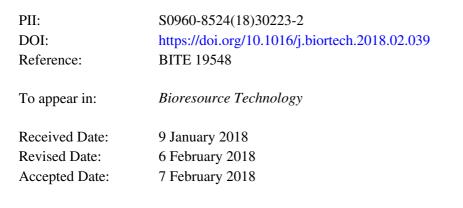
Accepted Manuscript

Review

Sequestration and utilization of carbon dioxide by chemical and biological methods for biofuels and biomaterials by chemoautotrophs: Opportunities and challenges

Indu Shekhar Thakur, Manish Kumar, Sunita J. Varjani, Yonghong Wu, Edgard Gnansounou, Sindhu Ravindran





Please cite this article as: Thakur, I.S., Kumar, M., Varjani, S.J., Wu, Y., Gnansounou, E., Ravindran, S., Sequestration and utilization of carbon dioxide by chemical and biological methods for biofuels and biomaterials by chemoautotrophs: Opportunities and challenges, *Bioresource Technology* (2018), doi: https://doi.org/10.1016/j.biortech.2018.02.039

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Title of the paper

Sequestration and utilization of carbon dioxide by chemical and biological methods for biofuels and biomaterials by chemoautotrophs: Opportunities and challenges Authors

Indu Shekhar Thakur^{1,4*}, Manish Kumar¹, Sunita J. Varjani^{2,4}, Yonghong Wu³, Edgard

Gnansounou⁴, Sindhu Ravindran⁵

¹School of Environmental Sciences, JawaharNehru University, New Delhi-110067,

²Gujarat Pollution Control Board, Sector-10A, Gandhinagar - 382010, Gujarat, India

³State Key Laboratory of Soil and Sustainable Agriculture, Institute of Soil Science, Chinese

Academy of Sciences, 71 East Beijing Road, Nanjing 210008, China

⁴Bioenergy and Energy Planning Research Group (BPE), IIC, ENAC, Station 18, Ecole

Polytechnique Fédérale de Lausanne (EPFL), CH-1015 Lausanne, Switzerland

⁵ Microbial Processes and Technology Division, CSIR-NIIST, Trivandrum, India

*The name of the corresponding author, address, telephone number and e-mail address:

Professor Indu Shekhar Thakur

School of Environmental Sciences

Jawaharlal Nehru University

New Delhi - 110067, India

E-mail: isthakur@hotmail.com (I.S. Thakur); <u>manishkumar.bt@gmail.com</u> (M. Kumar); <u>drsvj@gmail.com</u> (S.Varjani); <u>yhwu@issas.ac.cn</u> (Yonghong Wu); <u>edgard.gnansounou@epfl.ch</u> (E.Gnansounou); <u>sindhurgcb@gmail.com</u> (S. Ravindran) Download English Version:

https://daneshyari.com/en/article/7067792

Download Persian Version:

https://daneshyari.com/article/7067792

Daneshyari.com