

# **Corrigendum: Augmenting Pentose** Utilization and Ethanol Production of Native Saccharomyces Cerevisiae LN Using Medium Engineering and Response Surface Methodology

Shalley Sharma<sup>1</sup>, Eldho Varghese<sup>2</sup>, Anju Arora<sup>1\*</sup>, K. N. Singh<sup>2</sup>, Surender Singh<sup>1</sup>, Lata Nain<sup>1</sup> and Debarati Paul<sup>3</sup>

<sup>1</sup> Division of Microbiology, ICAR-Indian Agricultural Research Institute, New Delhi, India, <sup>2</sup> ICAR-Indian Agricultural Statistics Research Institute, New Delhi, India, <sup>3</sup> Amity Institute of Biotechnology, Amity University, Noida, India

Keywords: Saccharomyces cerevisiae, co-fermentation, inhibitors, hydrolysates, response surface methodology, optimization

### A Corrigendum on

## **OPEN ACCESS**

#### Edited and reviewed by:

Sachin Kumar, Sardar Swaran Singh National Institute of Renewable Energy, India

\*Correspondence:

Anju Arora anjudev@yahoo.com

#### Specialty section:

This article was submitted to Bioenergy and Biofuels, a section of the journal Frontiers in Bioengineering and Biotechnology

Received: 08 October 2018 Accepted: 24 October 2018 Published: 13 November 2018

#### Citation:

Sharma S, Varghese E, Arora A, Singh KN, Singh S, Nain L and Paul D (2018) Corrigendum: Augmenting Pentose Utilization and Ethanol Production of Native Saccharomyces Cerevisiae LN Using Medium Engineering and Response Surface Methodology. Front. Bioeng. Biotechnol. 6:168. doi: 10.3389/fbioe.2018.00168 Augmenting Pentose Utilization and Ethanol Production of Native Saccharomyces cerevisiae LN Using Medium Engineering and Response Surface Methodology

by Sharma, S., Varghese, E., Arora, A., Singh, K. N., Singh, S., Nain, L., et al. (2018) Front. Bioeng. Biotechnol. 6:132. doi: 10.3389/fbioe.2018.00132

In the original article, there was a mistake in **Table 2** as published. SE<sub>m</sub> and CD@5% of ethanol (%) and sugars consumed (g L<sup>-1</sup>) were erroneously exchanged. The corrected Table 2 appears below. The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

TABLE 2 | Growth, sugar consumption and ethanol production by S. cerevisiae LN on 2% xylose.

Time (h)	Growth (OD <sub>600 nm</sub> )	Ethanol (%)	Sugars consumed (g L <sup>-1</sup> )	Fermentation efficiency (%)	Ethanol yield (g g <sup>-1</sup> )
24	0.61	0.05 ± 0.18	2.13 ± 0.29	45.11 ± 0.16	$0.23 \pm 0.003$
48	0.85	$0.09 \pm 0.01$	$3.74 \pm 0.13$	$46.29 \pm 0.46$	$0.24 \pm 0.007$
72	1.07	$0.11 \pm 0.41$	$3.61 \pm 0.19$	$58.82 \pm 0.59$	$0.30 \pm 0.01$
*SEm		0.03	1.11	7.96	0.04
**CD@5%		0.10	3.06	21.97	0.11

\*SE<sub>m</sub> denotes Standard error of mean; \*\*CD@5% denotes critical difference @ 5%.

**Conflict of Interest Statement:** The authors declare that the research was conducted in the absence of any commercial or financial relationships that could be construed as a potential conflict of interest.

Copyright © 2018 Sharma, Varghese, Arora, Singh, Singh, Nain and Paul. This is an open-access article distributed under the terms of the Creative Commons Attribution License (CC BY). The use, distribution or reproduction in other forums is permitted, provided the original author(s) and the copyright owner(s) are credited and that the original publication in this journal is cited, in accordance with accepted academic practice. No use, distribution or reproduction is permitted which does not comply with these terms.