



## OPEN ACCESS

APPROVED BY  
Frontiers Editorial Office,  
Frontiers Media SA, Switzerland

\*CORRESPONDENCE  
Sonia Tiquia-Arashiro  
✉ [smtiquia@umich.edu](mailto:smtiquia@umich.edu)

RECEIVED 21 November 2023  
ACCEPTED 01 December 2023  
PUBLISHED 13 December 2023

## CITATION

Kassem A, Abbas L, Coutinho O, Opara S, Najaf H, Kasperek D, Pokhrel K, Li X and Tiquia-Arashiro S (2023) Corrigendum: Applications of Fourier Transform-Infrared spectroscopy in microbial cell biology and environmental microbiology: advances, challenges, and future perspectives. *Front. Microbiol.* 14:1342406. doi: 10.3389/fmicb.2023.1342406

## COPYRIGHT

© 2023 Kassem, Abbas, Coutinho, Opara, Najaf, Kasperek, Pokhrel, Li and Tiquia-Arashiro. This is an open-access article distributed under the terms of the [Creative Commons Attribution License \(CC BY\)](https://creativecommons.org/licenses/by/4.0/). 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.

# Corrigendum: Applications of Fourier Transform-Infrared spectroscopy in microbial cell biology and environmental microbiology: advances, challenges, and future perspectives

Amin Kassem<sup>1</sup>, Lana Abbas<sup>1</sup>, Oliver Coutinho<sup>1</sup>, Somie Opara<sup>1</sup>, Hawraa Najaf<sup>1</sup>, Diana Kasperek<sup>1</sup>, Keshav Pokhrel<sup>2</sup>, Xiaohua Li<sup>1</sup> and Sonia Tiquia-Arashiro<sup>1\*</sup>

<sup>1</sup>Department of Natural Sciences, University of Michigan-Dearborn, Dearborn, MI, United States,

<sup>2</sup>Department of Mathematics and Statistics, University of Michigan-Dearborn, Dearborn, MI, United States

## KEYWORDS

Fourier transform infrared spectroscopy, cellular structures, metabolic activities, bacteria, microbial stress, cell membrane, population dynamics

## A corrigendum on

[Applications of Fourier Transform-Infrared spectroscopy in microbial cell biology and environmental microbiology: advances, challenges, and future perspectives](#)

by Kassem, A., Abbas, L., Coutinho, O., Opara, S., Najaf, H., Kasperek, D., Pokhrel, K., Li, X., and Tiquia-Arashiro, S. (2023). *Front. Microbiol.* 14:1304081. doi: 10.3389/fmicb.2023.1304081

In the published article, there was an error in the author list, and the sequence of authors was incorrectly listed. The corrected author list appears below.

“Amin Kassem<sup>1</sup>, Lana Abbas<sup>1</sup>, Oliver Coutinho<sup>1</sup>, Somie Opara<sup>1</sup>, Hawraa Najaf<sup>1</sup>, Diana Kasperek<sup>1</sup>, Keshav Pokhrel<sup>2</sup>, Xiaohua Li<sup>1</sup> and Sonia Tiquia-Arashiro<sup>1\*</sup>”

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.

## Publisher's note

All claims expressed in this article are solely those of the authors and do not necessarily represent those of their affiliated organizations, or those of the publisher, the editors and the reviewers. Any product that may be evaluated in this article, or claim that may be made by its manufacturer, is not guaranteed or endorsed by the publisher.