

[Home](#) [Journal of Food Measurement and Characterization](#) [Article](#)

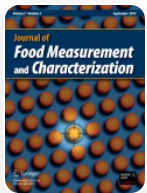
Physicochemical and morphological characterization of black bean (*Phaseolus vulgaris* L.) starch and potential application in nano-encapsulation by spray drying

Original Paper Published: 08 October 2021

Volume 16, pages 547–560, (2022) [Cite this article](#)

[Save article](#)

[View saved research](#)



[Journal of Food Measurement and Characterization](#)

[Aims and scope](#)

[Submit manuscript](#)

[Lucio A. Vázquez-León](#), [Alejandro Aparicio-Saguilán](#), [Rosa M. Martínez-Medinilla](#), [Rubí G. Utrilla-Coello](#), [Juan G. Torruco-Uco](#), [Violeta Carpintero-Tepole](#) & [Delia E. Páramo-Calderón](#)



644 Accesses 10 Citations [Explore all metrics](#) →

Abstract