

# International Journal of Current Microbiology and Applied Sciences (IJCMAS) NAAS RATING-5.38, ICV-95.39

ISSN: 2319-7692 (Print) ISSN 2319-7706 (Online)

An International, Monthly, Online, Free Access, Peer Reviewed,  
Indexed, fast track Scientific Research Journal

## Certificate of Publication

This is to certify that the following article reviewed by editorial board and published in International Journal of Current Microbiology and Applied Sciences (IJCMAS) ISSN: 2319-7692 (Print) ISSN 2319-7706 (Online).

Int.J.Curr.Microbiol.App.Sci.2018.7.(7):2827-2835

<https://doi.org/10.20546/ijcmas.2018.707.331>

Influence of Growth Stages and Nutrient Media on Production of Membrane Vesicles of Clostridium perfringens Type A and their Molecular Characterization

Deuri Nirab Kumar<sup>1\*</sup>, Sharma Kr. Rajiv<sup>2</sup>, Borah Probodh<sup>1</sup>, Hazarika Parishmita<sup>2</sup>, Sonowal Joyshikh<sup>1</sup>, Borguhain Indrani<sup>1</sup> and Pathak Bedanta<sup>1</sup>

<sup>1</sup>Department of Animal Biotechnology

<sup>2</sup>Department of Veterinary Microbiology, College of Veterinary Science, Assam Agricultural University, Khanapara, Guwahati-781022, India

*Dr. M. Prakash*  
*Editor-in-chief*

*International Journal of Current Microbiology and Applied Sciences*

[www.ijcmas.com](http://www.ijcmas.com)

[www.excellentpublishers.com](http://www.excellentpublishers.com)



© International Journal of Current Microbiology and Applied  
Sciences (IJCMAS)

[www.excellentpublishers.com](http://www.excellentpublishers.com) [www.ijcmas.com](http://www.ijcmas.com)