

**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.2017.6.(9):1718-1724

<https://doi.org/10.20546/ijcmas.2017.609.212>

Isolation, Cloning and Expression of Insecticidal-Protein-Encoding Gene tcdA from Photorhabdus luminescens in Escherichia coli

S.R. Mulla, Shourabh Joshi\* and Joy Das

<sup>1</sup>Department of Biotechnology and Crop improvement, University of Horticultural Science, Bagalkot-587103, India

<sup>2</sup>Department of Biotechnology, University of Agricultural Sciences, GKVK, Bangalore -560065, Karnataka, 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)