

# 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.2020.9.(9):3517-3524

<https://doi.org/10.20546/ijcmas.2020.909.436>

Rainfall Variability during *El-Nino* and *La-Nina* Episodes in Punjab, India

Devi Lal<sup>1\*</sup>, Sompal Singh<sup>1</sup> and Ram Niwas<sup>2</sup>

<sup>1</sup>School of Climate Change and Agricultural Meteorology, Punjab Agricultural University, Ludhiana (Punjab), India<sup>2</sup>Department of Agricultural Meteorology, CCS Haryana Agricultural University, Hisar, 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)