

**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.2016.5.(8):745-759

<http://dx.doi.org/10.20546/ijcmas.2016.508.084>

Mineralogical Properties of Cracking Clay Soils along Toposequence At Northern Upper Clay Plains of Nuba Mountains South Kordofan, Sudan

Omima Omer A. Showgi<sup>1</sup>, El-Abbas Doka M. Ali<sup>2</sup>, Hashim Ali Dawoud<sup>3</sup> and Mahgoub Suliman Mohamedain<sup>4</sup>

<sup>1</sup>Properties and Genesis of Soils, College of Science and Technology, Department of Botany. Shendi University, Shendi, Nile State

<sup>2</sup>Land Evaluation and Remote Sensing.College of Agricultural Studies, Sudan University of Science and Technology, Shambat, Sudan

<sup>3</sup>Soil Pedology and land Use Planning, Department of Horticulture Science, College of Agriculture, Al Azhari University, Khartoum North, Sudan

<sup>4</sup>Remote Sensing for Forest Management, College of Forestry and Range Science, Sudan University of Science and Technology, Sudan



*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)