EXCELLENT PUBLISHERS

International Journal of Current Microbiology and Applied Sciences (IJCMAS)

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

An International, Monthly, Online, Free Access, Peer Reviewed, Indexed, 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.(3):561-566

https://doi.org/10.20546/ijcmas.2017.603.065

Black Pepper (Piper nigrum) Fruit Extract Activity against Some Pathogenic Bacterial Strains by Disc Diffusion Method

[1]Department of Microbiology C.C.S. University Meerut 250110, India_[2]Department of Plant pathology Sardar Vallabh Bhai Patel University of Agriculture and Technology Modipuram, Meerut 250110, India

Antibacterial activities of Black pepper fruit extract were studied against some bacterial strains as- Pseudomonas fluorescens, Pseudomonas aeruginosa, Klebsiella pneumoniae, Proteus vulgaris, and Bacillus subtilis. The black pepper fruit extracts were prepared in four organic solvents as methanol, ethyl acetate, chloroform and benzene. Effectiveness against bacterial strains showed by all extract (which prepared by organic solvent) but the benzene extract showed the maximum growth inhibition 81.20% against Klebsiella pneumoniae bacteria at 100µl/ml extract concentration. It is also resistance for some antibiotics as Lincomycin and Oleandomycin. The present study depict that the black pepper fruit extract showed good antibacterial activity.

Dr. M.Prakash
Editor-in-chief
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