



www.arseam.com

Impact Factor: 2.525

DOI: 10.5281/zenodo.842007 **DOI URL:** <http://doi.org/10.5281/zenodo.842007>

Cite this paper as: Asma Sultan & Madhuri Singhal (2017) "COMPARATIVE ANTIBACTERIAL ACTIVITY OF TROPICAL MEDICINAL PLANTS AEGLE MARMELLOS, PHYLLANTHUS NIRURI AND ALOE BARBEDENS AGAINST GRAM POSITIVE AND GRAM NEGATIVE BACTERIA" International Journal of Education & Applied Sciences Research, Vol.4, Issue 03, May-Jun-2017, pp 30-33, ISSN: 2349 –2899 (Online), ISSN: 2349 –4808 (Print), DOIURL: <http://doi.org/10.5281/zenodo.842007>

COMPARATIVE ANTIBACTERIAL ACTIVITY OF TROPICAL MEDICINAL PLANTS AEGLE MARMELLOS, PHYLLANTHUS NIRURI AND ALOE BARBEDENS AGAINST GRAM POSITIVE AND GRAM NEGATIVE BACTERIA

Asma Sultan

Department of Chemistry, MLB Girls PG
Autonomous College Bhopal (M.P) INDIA

Madhuri Singhal

Department of Chemistry, MLB Girls PG
Autonomous College Bhopal (M.P) INDIA

Abstract

Many antibiotics are available in market, but emergence of bacterial resistance toward these antibiotics is a very important concern for physicians. The way of overcoming these resistances is to provide new antibacterial agent and/or, to provide combination of antimicrobial agent. There is a feeling among natural-products chemists and microbiologists alike that the multitude of potentially useful phytochemical structures which could be synthesized chemically is at risk of being lost irretrievably. Use of herbal antimicrobial agent is good answer for both of these hurdles. Since ancient time many medicinal plants were used by traditional healers to treat various infectious disease. Still we are lacking scientific proof that would provide an evidence for said therapeutic use of medicinal plant. In this concern present investigation was designed to comparatively assess antibacterial potential of methanolic extract of heart wood of Aegle marmelos, leaves of Aloe barbadensis and whole plant of Phyllanthus niruri.

Keywords – Antimicrobial Agent, Natural Products, Aegle marmelos, Aloe barbadensis, Phyllanthus niruri etc.