SRDHS
SOCIETY FOR RESEARCH DEVELOPMENT IN HEALTH SCIENCE

Society for Research Development in Health Sciences (RDHS),
Sponsored

2nd International Conference

Organized By
Ambe Durga Education Society's
Dadasaheb Balpande College of Pharmacy
(Degree and Diploma),
Near Swami Samarth Dham Mandir, Besa,
Nagpur-440037, Maharashtra, India.

on 14th and 15th February 2020

Theme:
"Invigorating Research in Pharmaceuticals: Reasonable Industrial Approach"

Venue: Hotel RE-GEN-TA, CENTRAL Nagpur. Jagnade Square, Nandanvan, Nagpur, Maharashtra, India.

Souvenir and Abstract Book

"An event that is full of potentials to learn the latest trends in the Pharma industry and to learn about the business culture."

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ANTIBIOTIC RESISTANCE

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ABSTRACT

Every disease now has treatment strategies for recovery in higher mode. But global challenge arises with a name of" Antibiotic Resistance". Antibiotic or antibacterial agents are medicines that help to stop infections caused by bacteria. They do this by killing the bacteria or by keeping them from copying themselves or reproducing. But if the drug which are used to kill bacteria work as proliferatory mode and providing favorable habitat for survival of bacteria that creates the world's dangerous condition. There are so many antibiotic drug that are already resisted by bacteria e.g. Isoniazid, Rifampicin (first line drug) used for Mycobacterium tuberculosis bacteria in Tuberculosis. There are various mechanisms by which bacteria obtain antibiotic resistance on particular drug. Stop the antibiotic from reaching its target. Changes in membrane permeability to antibiotic. Enzyme degradation of antibiotic drugs Genetic mutation etc. Antibiotic resistance is one of the biggest public health challenges of our time. Each year in U.S. at least 2 million people get an antibiotic resistant infection and at least 23000 people die. In U.S. and other countries awareness came to existence, but in India most of the people among us don't know the affect and consequences of it, therefore everyone should go from the term and prevention should be carried out.

Keywords Antibiotic Resistance, Tuberculosis

THERAPEUTIC POTENTIAL OF MORINGA OLEIFERA LEAVES IN ARTHGRITIS

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ABSTRACT

Moringa oleifera is an angiosperm plant, native of the Indian subcontinent, where its various parts have been utilize throughout history as a food and medicine. Moringa oleifera commonly known as drumstick belongs to the Moringaceae family. Therapeutic potential of Moringa oleifera leaves in arthritis. Anti-arthritic activity of Moringa oleifera leaves. Powdered material of MO was charged into Soxhlet's apparatus and extraction was carried out using methanol. Complete Freund's adjuvant (CFA) induced arthritis in rats. Rats (Males) were randomly divided into 05 groups, each containing 06. They were made arthritic by single intra-dermal injection of 0.1 ml of complete Freund's adjuvant (CFA) containing 1.0 mg dry heat-killed Mycobacterium tuberculosis per milliliter sterile paraffin oil. The paw volume displacements of rats pretreated with MO extract 100, 200 and 400 mg/kg methotrexate (0.75mg/kg) and control rats on the 0th, 7th and 14th day. The present investigation reported that the 400 mg/kg dose of the extract showed significant improvement in arthritic condition by reducing hind paw inflammation and secondary lesions. Present study documented significant improvement in experimental models arthritis with the pretreatment of methanolic extract of leaves of Moringa oleifera.

Keywords Moringa olifera, Antiarthritic