

# Formulation and Evaluation of Antibacterial Cream from Mimosa Pudica and Tridax Procumbenz)

Sathe Pratiksha Dattatray, Mane Priyanka Babaji, Nichit Pranit Ganesh

Matoshri Miratai Aher College of Pharmacy, Karjule Harya, Ahmadnagar, India

**Abstract:** *The study was carried out to identify through scientific methods the active ingredients and the pharmacological activities of the shoot and root extracts of Mimosa pudica Linn. The Mimosa pudica shoot methanolic extract (MSME), Mimosa pudica root methanolic extract (MRME) showed very good wound healing activity when compared to the standard drug Gentamicin. Tridax procumbens L. (Compositae) is a common weed that grows in the rice fields of India. Traditionally the juice from leaves of Tridax procumbens has been used for healing dermal wound. However, in experimental studies, equivocal pro and anti-healing action of T. Procumbens has been demonstrated. It has been studied previously that stage of wound healing involves acute inflammatory phase followed by the synthesis of collagen and other extra cellular macromolecules, which is later removed to form a scar.*

**Keywords:** Mimosa pudica, Burn wound, Excision wound, collagen fibers, phytochemicals, anti-cancer activity, anti bacterial activity, wound healing activity.