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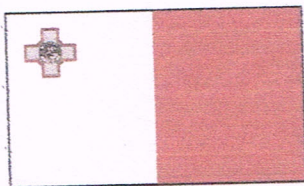
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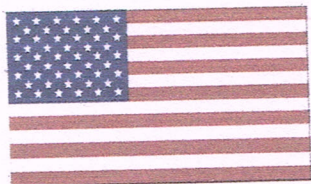


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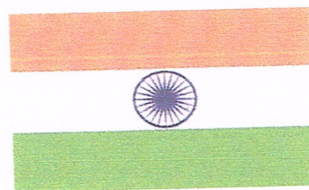
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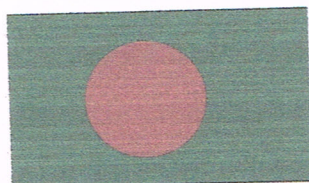
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Anti-inflammatory and Analgesic Activities of *Mimosa Pudica* L. Herb Extract


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ABSTRACT

WHO has recognized herbal medicine as an essential building block for primary health care in Asia. Traditionally, herbs of *Mimosa pudica* L. are being used to treat various symptoms, e.g. insomnia, hematuria, inflammation, emesis, dismenorrhoea, menorrhagia, arthritis rheumatoid, convulsion, depression, and diabetes. Previous *in vitro* study showed that herbs extract of *Mimosa pudica* L reduced uric acid formation via xanthine oxidase inhibition of 82.11 and 62.10% for concentration 125 and 62.5 µg/mL, respectively. This study was performed to study anti-inflammatory and analgesic activities of *Mimosa pudica* L herb extract on rodents. Anti-inflammatory activity assay was done using carageenan-induced paw edema method on white male rats. Dosages used were 250, 500 and 1000 mg/kg of body weight. The results showed that all three dosages inhibited edema at the percentages of 35.20, 42.74, and 51.10% respectively. Analgesic activity of *Mimosa pudica* L herb extract at dosage of 125, 250 and 500 mg/kg of bodyweight was observed on mice using writhing reflex method with acetic acid 0.07% as inducer. The results showed that all three dosages inhibited pain at the percentage of 9.58, 45.35, and 60.28% respectively. It is concluded that herbs extract of *Mimosa pudica* L can be proposed as anti-inflammatory and analgesic agents.



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