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(57) Abstract :
The present invention relates to the analgesic potential of ethanol and methanol extracts of Amaranthus spinosus (EEAS and MEAS) as natural alternatives for pain management. Through a series of in vivo tests, including the hot plate, acetic acid-induced writhing, and tail flick methods, the study assesses the efficacy of these extracts compared to Diclofenac sodium, a standard analgesic. Results indicate that EEAS and MEAS exhibit significant analgesic effects, particularly at higher dosages, with potential benefits such as reduced side effects and broader therapeutic applications. Results shows that the traditional use of Amaranthus spinosus in pain relief and emphasize its role as a promising candidate for developing safer, plant-based analgesics.

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