Antinociceptive Activity of the Leaf Essential Oil of *Coleus aromaticus* Benth

Rishabh D. PANDEY 1*, Akhilesh V. SINGH 2, Awanish PANDEY 1 & Poonam TRIPATHI 1

1 Department of Pharmacy Institute of Technology & Management, Gida, Gorakhpur, U.P, India
2 Department of Pharmaceutical sciences, Dibrugarh University, Assam, India

**SUMMARY.** The present study was undertaken to evaluate the possible antinociceptive effect of *Coleus aromaticus* Benth oil. The pain sensitivity was assessed by the acetic acid induced writhing and hotplate models in mice. The essential oil exhibited a significant reduction in acetic acid induced writhing response, a dose dependent increase in reaction time against thermal pain and a moderate motor impairment at analgesic doses and significant reduction in endurance time at higher dose on rotarod apparatus. These experimental results suggest that essential oil (250 and 500 mg/kg) produced analgesic effect in mice and may be a candidate for the development of pharmacological agents used in the pain management.