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Evaluation of behavioural studies of *Linum usitatissimum*

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Present study was designed to investigate the anti depressant activity of the *Linum usitatissimum*. Anti-depressant activity evaluated by Forced Swim Test, Tail Suspension Test and Open Field Test. Healthy albino mice (6-7 week old) weighing 20-40 grams were used. Potency of the test sample was compared with the standard Fluoxetine drug. Results showed that the administration of the *Linum usitatissimum* produced adiminution of immobility time (a posture thought to reflect a state of “behavior despair” in which animals have given up the hope to escape) of mice exposed to the both forced swimming and tail suspension tests. In the present study, *Linum usitatissimum* (100 mg/kg, oral) administered to mice, produced significant antidepressant-like effect in both TST and FST and efficacy was found to be comparable to fluoxetine (20 mg/kg, ip). Further studies would be necessary to evaluate the contribution of *Linum usitatissimum* for the observed antidepressant activity as it still remains to be determined for the side effects.

Biography

R Naga Kishore has completed his MPharm and Research Scholar at JJTU, Jhunjhunu, Jaipur, Rajasthan. He is presently working as Associate Professor in Geethanjali College of Pharmacy, Cheeryal, Ranga Reddy, Telangana, India. He has published more than six papers in reputed journals.

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