Reviewer's report

Title: Neurological stimulant activity assessment of Bacopa monniera for reducing depression on mice

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Reviewer: Ismaila Ishola

Reviewer's report:

Mannan et al., manuscript titled "Neurological stimulant activity assessment of Bacopa monniera for reducing depression on mice". was carried out in accordance with ethical standards on the use of laboratory animals. However, in the study forced swimming and tail suspension tests were used to investigate the effect of B. monniera on neurological disorders but based on the selected models for investigating antidepressant-like of drugs. Thus the manuscript should read "antidepressant-like effect of Bacopa monniera in mice. Conversely, previous studies have reported antidepressant-like effect of standardized extract of B.monniera (Sairam K, Dorababu M, Goel RK, Bhattacharya SK, Antidepressant activity of standardized extract of Bacopa monniera in experimental models of depression in rats. Phytomedicine. 2002 Apr;9(3):207-11; Liu X, Liu F, Yue R, Li Y, Zhang J, Wang S, Zhang S, Wang R, Shan L, Zhang W, The antidepressant-like effect of bacopaside I: possible involvement of the oxidative stress system and the noradrenergic system. Pharmacol Biochem Behav. 2013 Sep;110:224-30; Banerjee R, Hazra S, Ghosh AK, Mondal AC, Chronic administration of bacopa monniera increases BDNF protein and mRNA expressions: a study in chronic unpredictable stress induced animal model of depression. Psychiatry Investig. 2014 Jul;11(3):297-306), thereby removing the novelty in the study. However, the scope of the study could be expanded.

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

'I declare that I have no competing interests'