

**Erratum**

**EVALUATION OF ANTIOXIDANT POTENTIAL AND REDUCING POWER OF CALLUS INDUCED FROM LEAVES OF ASYSTASIA GANGETICA (L.) T.ANDERSON**

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**ABSTRACT**

**Objective:** To evaluate the bioactive molecules and antioxidant potential of callus induced from leaves of *Asystasia gangetica*.

**Methods:** In this report, the leaves of *A.gangetica* (AG) were incubated with Murashige and Skoog (MS) medium supplemented with combinations of auxins and cytokinins for callus induction. The qualitative estimation of bioactive molecules like flavonoids, phenolics, tannins and their antioxidant potential were investigated. The ability of radical scavenging activity and reducing power of methanolic, ethanolic and aqueous extract using DPPH, FRAP and Phosphomolybdate assay were carried out.

**Results:** Callus was induced on MS medium supplemented with various concentration and combination of auxins and cytokinins. Maximum percentage of callusing was seen on media supplemented with 2,4-Dichlorophenoxyacetic acid 5mg/L or combination of Kinetin 2mg/L and 2mg/L Naphthaleneacetic acid. The total phenolic content, flavonoids and tannins in callus were estimated in various solvents. Further, the callus showed the FRAP values of  $17.67 \pm 0.0$ ,  $17.30 \pm 1.830$  and  $23.81 \pm 0.945$   $\mu\text{g AAE} / \text{mg extract}$  for methanolic, ethanolic and aqueous extract respectively. Methanolic extract showed highest DPPH scavenging activity and reducing ability.

**Conclusion:** *A.gangetica* callus had substantial amount of bioactive molecules exhibiting potent antioxidant activity and reducing ability. Development of appropriate strategies for enhancing the bioactive molecules in callus could have far-reaching implications for isolation of novel antioxidant molecules for human health.

**Keywords:** *Asystasia*, Callus, Phenolics, Tannins, FRAP, Reducing power, DPPH

**Correction for incorrect citation and mismatch of references**

In the article "EVALUATION OF ANTIOXIDANT POTENTIAL AND REDUCING POWER OF CALLUS INDUCED FROM LEAVES OF ASYSTASIA GANGETICA (L.) T. ANDERSON". *International Journal of Pharmacy and Pharmaceutical Sciences*, Vol. 6, no. 8, Aug. 2014, pp. 532-8, references were mismatching with the reference cited in the text. Reference 28 was misquoted inadvertently. The correct citation for ref (28) is Murashige T, Skoog F. A revised medium for rapid growth and bioassays with tobacco tissue cultures. *Physiol Plant* 1962;15:473-9. For the remaining references, the number changes accordingly. The correct references are appended in the attached file. We regret to readers for leading to confusion.

The correct references are cited below.

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