

Modulating effect of *Gmelina arborea* Linn. on immunosuppressed albino rats

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ABSTRACT

Aim In the present study, the immunomodulatory effects of roots of *Gmelina arborea* Linn. were investigated. **Materials and Methods** Methanolic extract of *G. arborea* Linn. (MEGA) and its ethyl acetate fraction (EAFME) were used for evaluating the pharmacological activity. The modulating effect was evaluated on humoral and cell-mediated immune response using animal models like cyclophosphamide-induced myelosuppression, delayed-type hypersensitivity (DTH) response, and humoral antibody (HA) titre. **Results** Both test extracts produced significant increase in HA titre, DTH response, and levels of total white blood cell count. **Conclusion** This drug is found to be a potential immunostimulant.

KEYWORDS

Cellular immunity . *Gmelina arborea* . Humoral immunity . Immunomodulation

REFERENCES

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