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## *In vitro* anti-inflammatory activity of *Barleria gibsoni* Dalz extracts

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*Barleria gibsoni* Dalz belonging to the family Acanthaceae is commonly known as Neel Koranti and has been used traditionally in the treatment of variety of diseases including anemia, toothache and inflammatory disorders. This study was intended to evaluate the anti-inflammatory activity on successive solvent extracts like petroleum ether; chloroform, ethyl acetate and ethanol of leaves of plant *Barleria gibsoni* Dalz experimentally *in vitro*. Phytochemical screening of extracts showed presence of flavonoids, glycosides, tannins, steroids & proteins. The successive solvent extract of *Barleria gibsoni* Dalz with a dose of 100, 200 and 500 µg/ml was taken for the activity and compared with the standard diclofenac, protein denaturation model and same dose of extract was taken for activity & compared with aspirin 200 µg/ml using heat induced hemolytic method. The extracts of petroleum ether; chloroform and ethanol of leaves of *Barleria gibsoni* Dalz showed significant result in both anti-inflammatory models.

### Biography

Firoj A Tamboli is currently pursuing PhD in Pharmacy from Shivaji University, Kolhapur. He is working as an Assistant Professor at Bharati Vidyapeeth College of Pharmacy, Kolhapur. He has more than 15 years of teaching and research experience. He has published and presented papers in reputed national and international journals and has been Member of APTI.

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