

**PHYTOCHEMICAL AND ANTIOXIDANT ACTIVITY OF *ACTINIOPTERIS*
RADIATA LINN.-AN IMPORTANT PTERIDOPHYTIC MEDICINAL PLANT
OF GULBARGA REGION**

**PRATIMA MATHAD, JYOTHI CHANDRAKANT, RAJASAMARSEN MODI,
SUMAYYA S & ANILKUMAR P**

Plant Biotechnology Laboratory, Department of Post Graduate Studies & Research in Botany
Gulbarga University, Gulbarga, Karnataka, India

ABSTRACT

The present study was under taken to evaluate the *In vitro* antioxidant property and phytochemical constituents of different solvent extracts of *Actiniopteris radiata*. The scavenging activity of DPPH, H₂O₂ and reducing power including phenols, flavonoids, alkaloids and tannin contents were determined. The extracts exhibited scavenging activity towards all radicals tested due to the presence of relatively high alkaloids and flavonoids content. The present study suggests that *Actiniopteris radiata* is endowed with antioxidant phytochemicals and could serve as a base for future drugs.

KEYWORDS: Phytochemical, Antioxidant, DPPH, *Actiniopteris*, BHA, BHT