

Nutritional Evaluation of Shivan (*Gmelina arborea*) Tree in Konkan Geographical Region

V.C. Kedaree^{1*}, B.G. Desai² and A. S. Gawali³

^{1,2,3}Department of Animal Husbandry and Dairy Science College of Agriculture, Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli, Dist. Ratnagiri. 415712, Maharashtra

Abstract—Present study was done to investigate the chemical parameters of the *Gmelina arborea* and its feeding value in ruminant's diet. The study will provide referential information for the identification of the feed nutrients. It is a beautiful fast growing avenue tree that grows throughout India. This medicinal plant is highly valued from time immemorial because of its vast medicinal properties. Gambhari, an essential component among Dashamuala. It is extensively used traditionally as anthelmintic, antimicrobial, antidiabetic, diuretic, hepatoprotective and antiepileptic agent. The present study provides review on nutritional aspects of *Gmelina arborea*. The phytochemical and proximate analyses of *Gmelina arborea* leaves were determined using the methods of association of official analytical chemists (A.O.A.C., 1995). The samples of the *Gmelina arborea* were analyzed for the Dry matter, Crude protein, Crude fibre, Ether extract, Nitrogen free extract, Total ash and Acid insoluble ash, Calcium, Phosphorus and Tannin. The mean values showed that *Gmelina arborea* had moisture (50.33 %), whereas the figures for organic matter, dry matter, crude protein, ether extract, crude fibre, nitrogen free extract, total ash, acid insoluble ash, tannin, calcium, phosphorus and tannin were recorded as 96.43, 49.67, 14.19, 2.82, 24.32, 44.90, 3.57, 1.38, 1.75, 0.33 and 2.37 per cent, respectively. It was concluded that *Gmelina arborea* is good source of nutrients for the livestock as feed supplement to meet the nutrient requirement.