International Journal of ChemTech Research
CODEN (USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555
Vol.10 No.6, pp 1024-1033, 2017

Haematinic Potentials of the Leaf Extract of *Aleurites fordii* on Normal and Anaemic Wistar Albino Rats

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Abstract : This study was designed to investigate the effects of ethanolic leaf extract of *Aleurites fordii* on haematological and biochemical parameters of normal and anaemic induced albino Wistar rats. The leaf extract was given per os in graded doses of 100mg/kg, 200mg/kg and 400mg/kg body weight to nine groups of albino Wistar rats (n = 45) of five per group. Anaemia was induced in group 2-6 following intraperitoneal treatment with cyclophosphamide at 30mg/kg b.w for three days. Groups 4,5 and 6 then received 100mg/kg, 200mg/kg and 400mg/kg body weight of methanolic extract of A. fordii while group 3 received blood tonic(Chemiron) following anaemic induction. Group 2 received only the cyclophosphamide. After 7 and 14 days, blood samples were collected for haematological and biochemical analysis. At concentrations of 100, 200 and 400mg /kg body weight of the rats, the extract significantly increased the blood parameters (packed cell volume, haemoglobin level red blood cell count and platelet counts) of groups treated with Cyclophosphamide and also untreated groups after seven and fourteen day. our findings suggest that the ethanolic extract of *Aleurites fordii* posses haematinic potential and could be compared favorably with Chemiron®; a standard haematinic drug in the treatment of anaemia.
Keywords : *Aleurites fordii*, Anaemia, Haematinic, cyclophosphamide, biochemical, haematology.

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