

List of Tables

	Page #
Table 1. Qualitative determination of various classes of phytochemicals present in leaf of <i>C. bonplandianus</i> .	47
Table 2. Quantitative determination of various phytochemicals present in leaf of <i>C. bonplandianus</i> . All values are represented as mean \pm SD of three replicative assays.	48
Table 3. Chemical fingerprint of CBL extract revealed by GC-MS analyses corresponding to Figure 8.	49-50
Table 4. Fourier transform infrared spectroscopy peak values of <i>C. bonplandianus</i> .	51
Table 5. Effect of different doses of <i>C. bonplandianus</i> leaf extract (CBLE) on liver, spleen and body weights of mice after 20 days along with the phagocytic index (PI) of stimulation of phagocytosis assay.	53
Table 6. Summarizes the immunomodulatory effect of CBLE by Plaque Forming Cell (PFC) assay, Immunoglobulin M (IgM) levels and Hemagglutination (HA) titre assay.	54
Table 7. Effect of different doses of <i>C. bonplandianus</i> leaf extract (CBLE) on total serum protein, albumin and globulin levels; splenocyte, leukocyte, and macrophage count after 20 days treatment.	55
Table 8. IC ₅₀ values of <i>Croton bonplandianus</i> (CBL) and standard for different antioxidant and free radical scavenging assays.	66
Table 9. Changes of body weight (g) and liver weight (g) in different experimental groups of hepatoprotective model. Data represented as mean \pm SD of six observations.	72
Table 10. Describes the levels of various enzymatic and biochemical parameters in the serum of six (n=6) treated groups of hepatoprotective model. The data represented as mean \pm SD of six observations.	73
Table 11. Changes in the levels of various enzymatic and biochemical parameters of the culture supernatants of the experimental groups of hepatoprotective model. Data represented as mean \pm SD of six observations.	74
Table 12. Describe the effect of CBL on liver histology parameters of the CCl ₄ induced injured liver.	77
Table 13. Changes of body weight (g) and liver weight (g) in different experimental groups of neuromodulation. Data represented as mean \pm SD of six observations.	83
Table 14. Effect of CBLE on scopolamine induced memory impairment in the passive avoidance test.	84