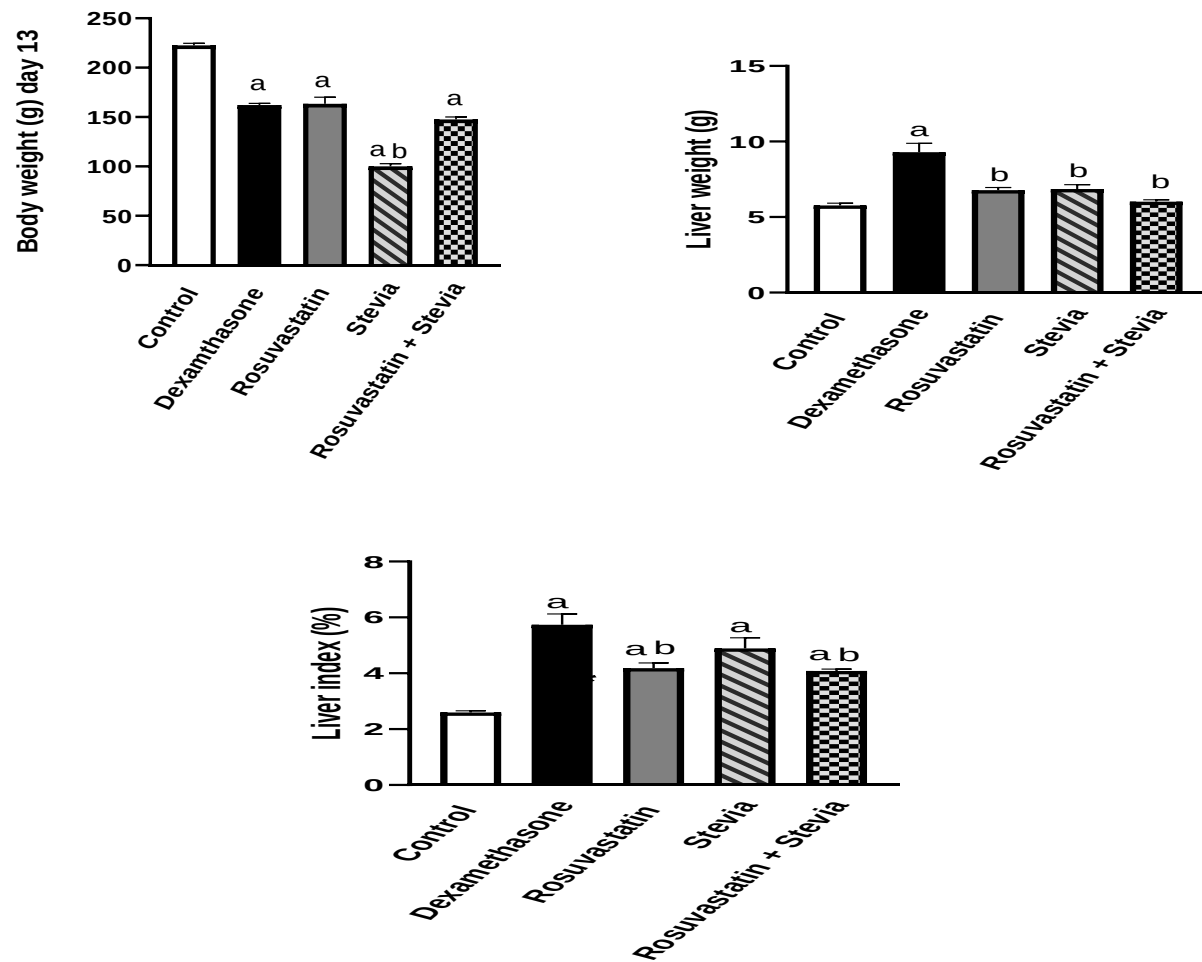
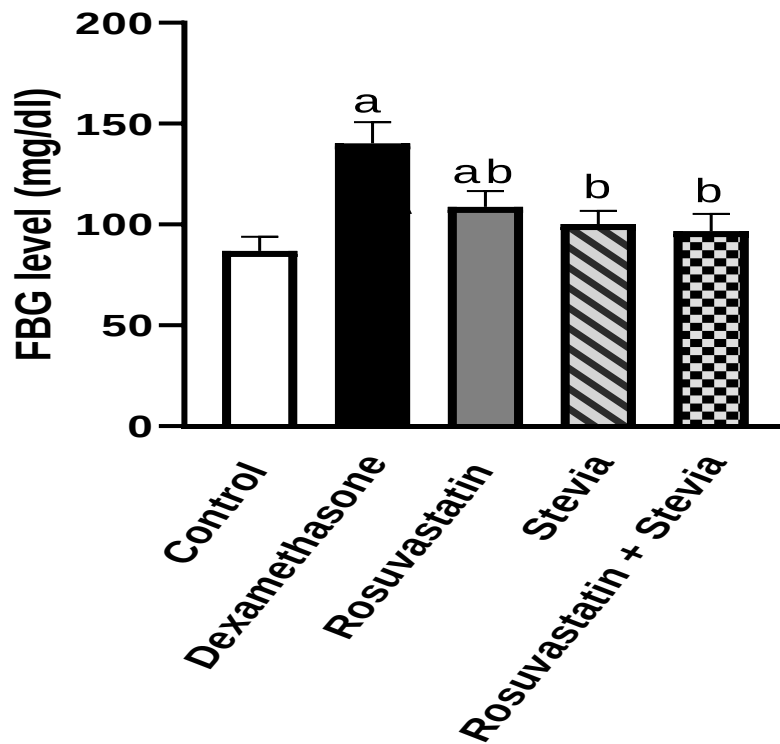
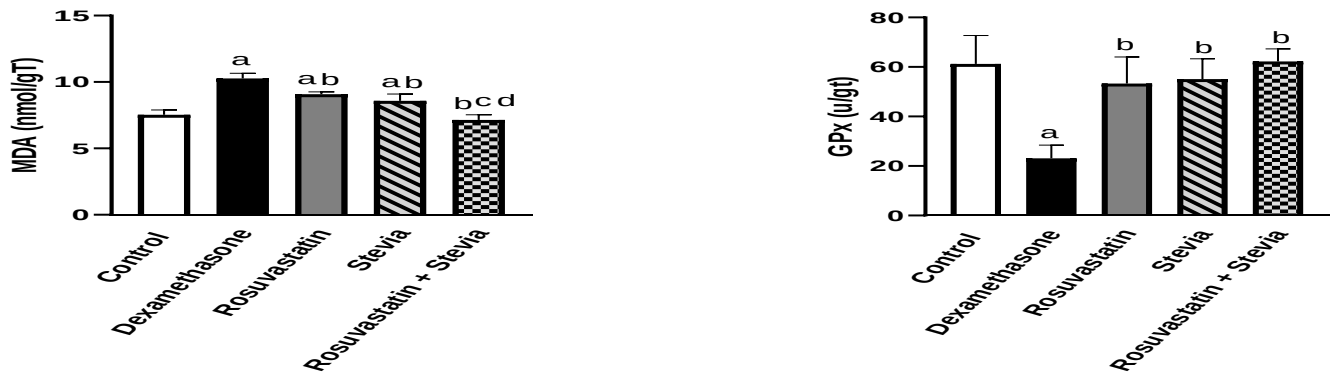




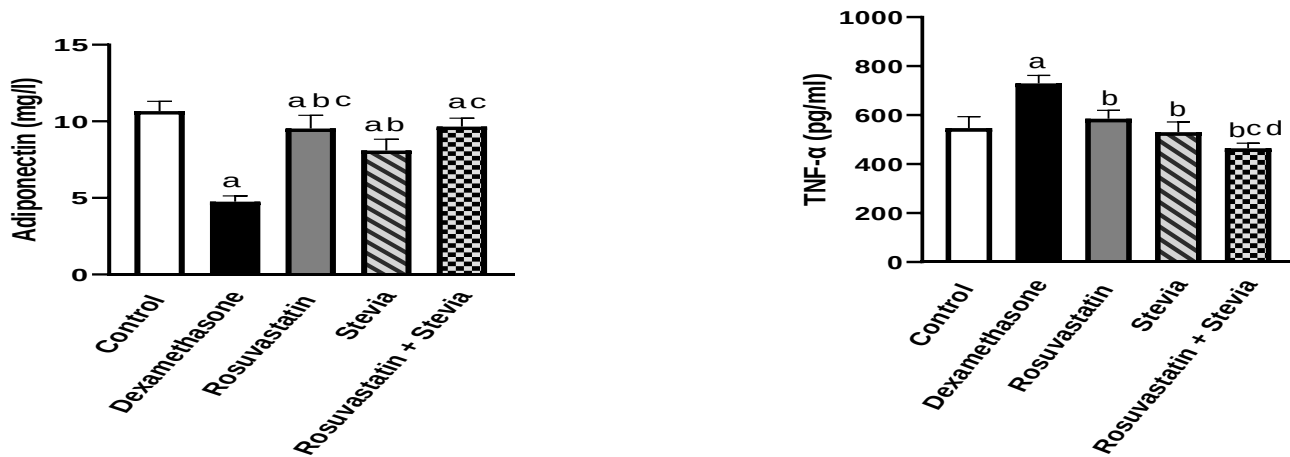
**Fig. 1** Effect of the tested agents on BW, liver weight and liver index against DEX-induced NAFLD in rats. Data represent mean  $\pm$  SEM of six observations. <sup>a</sup>Significant difference at  $p < 0.01$  vs. Control group. <sup>b</sup>Significant difference at  $p < 0.01$  vs. dexamethasone group



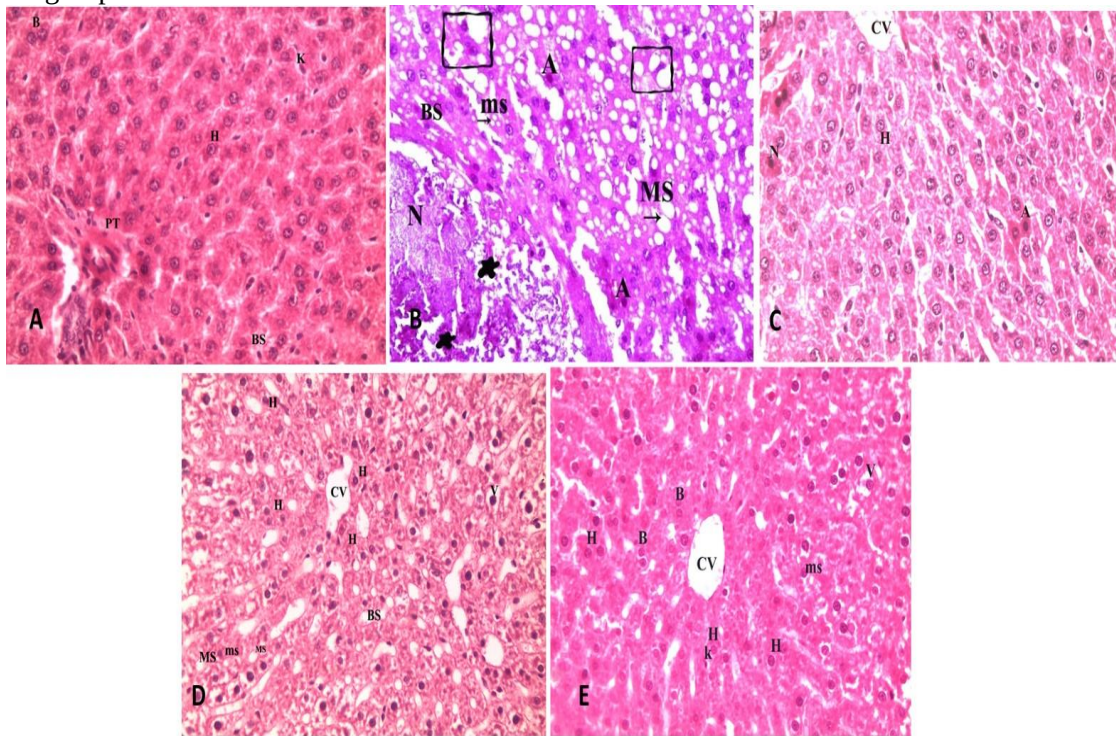
**Fig.2** Effect of the tested agents on FBG level against dexamethasone-induced NAFLD in rats. Data represent mean  $\pm$  SEM of six observations. <sup>a</sup>Significant difference at  $p < 0.01$  vs. Control group. <sup>b</sup>Significant difference at  $p < 0.0001$  vs. dexamethasone group



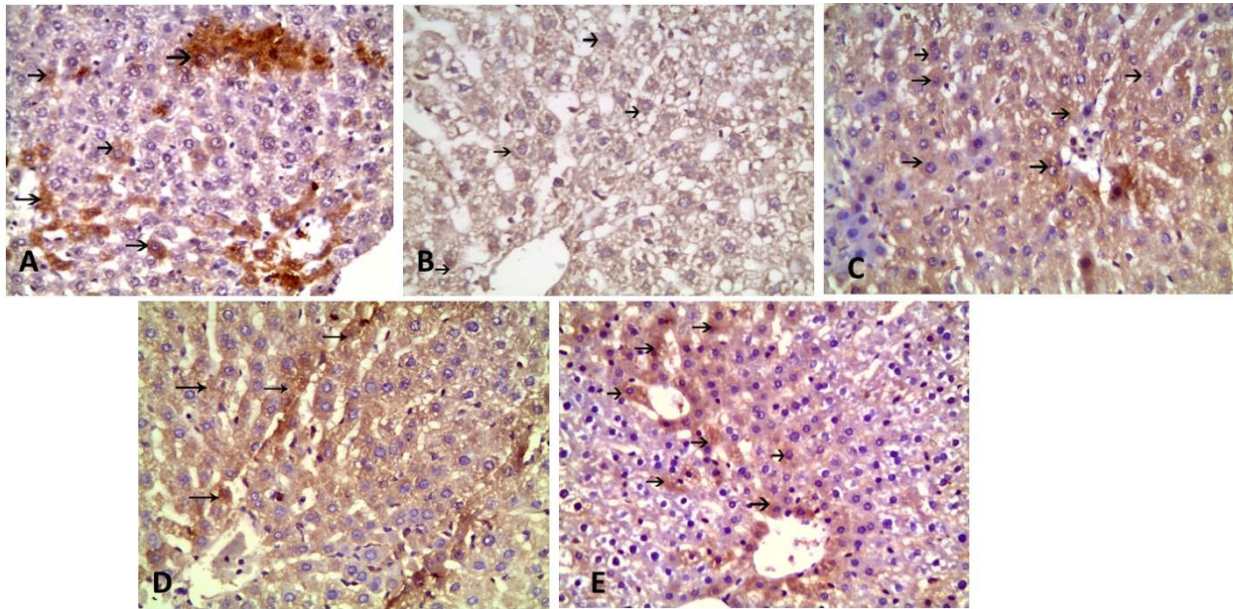
**Fig.3** Effect of the tested agents on MDA and GPx levels against dexamethasone-induced NAFLD in rats. Data represent mean  $\pm$  SEM of six observations. <sup>a</sup>Significant variation at  $p < 0.001$  vs. Control group. <sup>b</sup>Significant variation at  $p < 0.001$  vs. dexamethasone group. <sup>c</sup>Significant variation at  $p < 0.0001$  vs. Stevia group. <sup>d</sup>Significant variation at  $p < 0.0001$  vs. Rosuvastatin group.



**Fig.4** Effect of the tested agents on adiponectin and TNF- $\alpha$  levels against dexamethasone-induced NAFLD in rats. Data represent mean  $\pm$  SEM of six observations. <sup>a</sup>Significant variation at  $p < 0.001$  vs. Control group. <sup>b</sup>Significant variation at  $p < 0.0001$  vs. dexamethasone group. <sup>c</sup>Significant variation at  $p < 0.001$  vs. Stevia group. <sup>d</sup>Significant variation at  $p < 0.001$  vs. Rosuvastatin group.



**Fig. 5;** Photomicrographs of H&E (x400) stained liver sections of: (A: control group) showing portal tract (PT), Kupffer cells (K), blood sinusoid (BS), binucleated hepatocytes (B) and Hepatocytes (H). (B: DEX group) showing macro and micro steatotic changes (MS, ms), necrotic hepatocytes (N), apoptotic hepatocytes (A), ballooned hepatocytes (box) and inflammatory cell infiltration (\*). (C: RSV group) showing central vein (CV), negative hepatocytes (H), necrotic hepatocytes (N) and apoptotic hepatocytes (A). (D: Stevia group) showing binucleated hepatocytes (B), hepatocytes (H), blood sinusoids (BS), Kupffer cell (K) and portal tract (PT). (E: RSV + Stevia group) showing central vein (CV), negative hepatocytes (H), binucleated hepatocytes (B), Kupffer cells (K), ballooned vacuolated hepatocytes (V) and micro-steatosis in some hepatocytes (ms).



**Fig. 6:** PPAR-  $\alpha$  immunohistochemical photomicrographs of stained liver sections of: (A: Control group) showing numerous positive cells (Strong PPAR- $\alpha$  expression) with brown cytoplasmic coloration (arrow). (B: DEX group) showing few positive PPAR- $\alpha$  immunostaining cells compared to the control group (arrow). (C: RSV group, D: Stevia group and E: RSV + Stevia group) showing numerous positive hepatocytes compared to DEX group (arrow). (Anti PPAR-  $\alpha$  immunostaining x 400).