

Supplementary data

S1

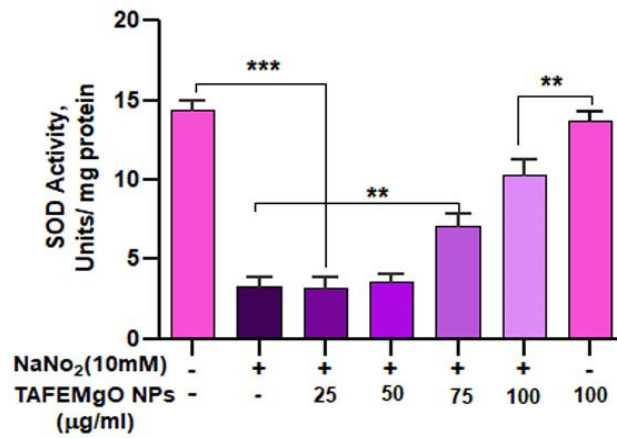


Figure S1. Super oxide dismutase (SOD) activity: Prior to treatment with NaNO₂ (10 mM), RBCs were pre-incubated for 10 min with various doses (25-100 g/mL) of TAFEMgO NPs at 37 °C. The results are expressed in average enzyme units per mg protein and are presented as mean SEM (n = 3).

S2

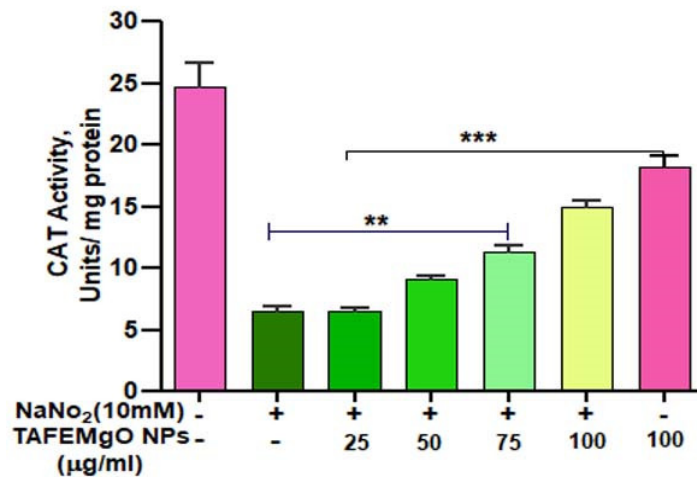


Figure S2. Catalase (CAT) activity: Prior to treatment with NaNO₂ (10 mM), RBCs were pre-incubated for 10 min with various doses (25-100 g/mL) of TAFEMgO NPs at 37 °C. The results are expressed in average enzyme units per mg protein and are presented as mean SEM (n = 3).

S3

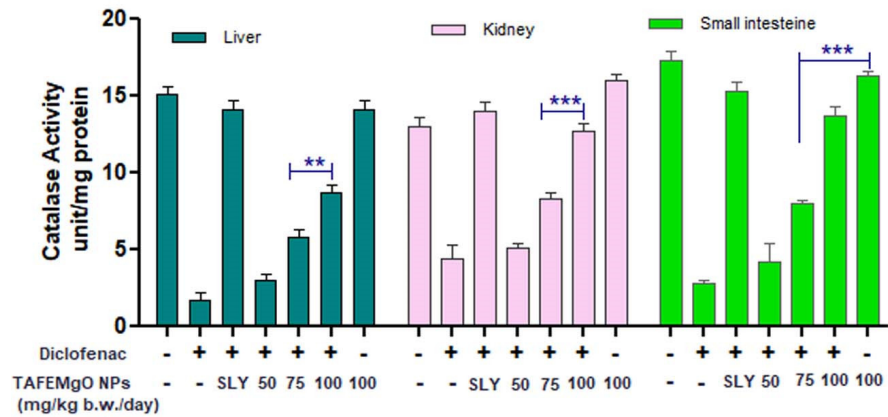


Figure S3. Effect of TAFEMgO NPs on diclofenac-induced oxidative stress in the liver, Kidney, small intestine: Superoxide dismutase: Control, Diclofenac (50 mg/kg b.w./day), SLY + Diclofenac (25 mg/kg b.w./day) TAFEMgO NPs + Diclofenac (50 mg/kg b.w./day) TAFEMgO NPs + Diclofenac (75 mg/kg b.w./day) TAFEMgO NPs + Diclofenac (100 mg/kg b.w./day) and TAFEMgO NPs alone (100 mg/kg b.w./day). In comparison to the toxicity control group, the data is presented as mean (n = 3) SEM. To represent the data, SEM mean (n = 3) was used.

S4

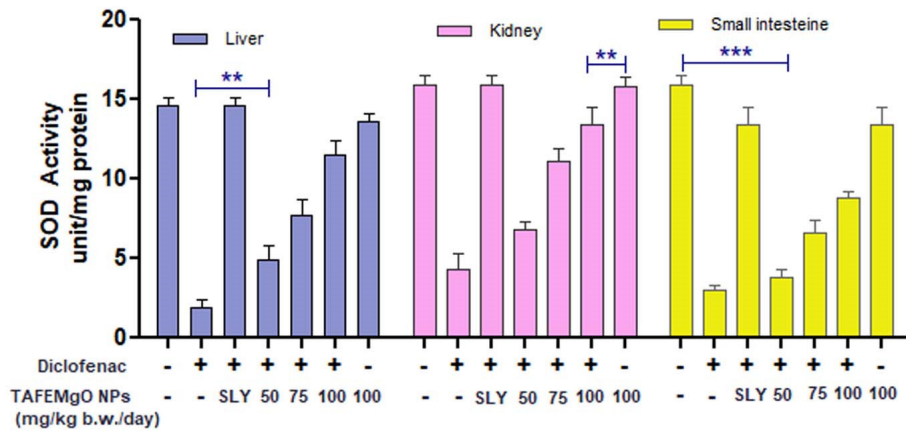


Figure S4. Effect of TAFEMgO NPs on diclofenac-induced oxidative stress in the liver, Kidney, small intestine: Catalase: Control, Diclofenac (50 mg/kg b.w./day), SLY + Diclofenac (25 mg/kg b.w./day) TAFEMgO NPs + Diclofenac (50 mg/kg b.w./day) TAFEMgO NPs + Diclofenac (75 mg/kg b.w./day) TAFEMgO NPs + Diclofenac (100 mg/kg b.w./day) and TAFEMgO NPs alone (100 mg/kg b.w./day). In comparison to the toxicity control group, the data is presented as mean (n = 3) SEM. To represent the data, SEM mean (n = 3) was used.