

### Highlights

1. Endosulfan induced blood hypercoagulability in rat.
2. Endosulfan promoted platelet aggregation and transformation of fibrinogen into fibrin.
3. Apoptosis of endothelial cells via death receptor pathway from oxidative stress involved in endosulfan induced dysfunction of endothelial cells.
4. Exposure to endosulfan could be a potential hazardous factor to the cardiovascular system.