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## Mitigation of bromate-induced nephrotoxicity in rats with seed extract of *Aframomum angustifolium*

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This study evaluated the ability of ethanol extract of *Aframomum angustifolium* seeds to ameliorate the nephrotoxic effect of potassium bromate (KBrO<sub>3</sub>) in rats. Biochemical alterations following co-administration of extract with 30 mg/kgbw KBrO<sub>3</sub> were monitored in four animal groups (3rats/group). Oral administration lasted for 28 days. Biomarkers were monitored using standard spectrophotometric methods. Kidney SOD and CAT activities, as well as serum HCO<sub>3</sub><sup>-</sup> and creatinine levels were significantly lower (p<0.05) in the treated groups than in the positive control group. Photomicrographs of kidney tissue support the biochemical observations. These findings suggest that the extract mitigated bromate-induced kidney lesions in the treated rats.

### Biography

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